

**BOARD OF WATER SUPPLY
KA 'OIHANA WAI
CITY AND COUNTY OF HONOLULU**

630 SOUTH BERETANIA STREET • HONOLULU, HAWAII 96843
Phone: (808) 748-5000 • www.boardofwatersupply.com

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MEIA

ERNEST Y. W. LAU, P.E.
MANAGER AND CHIEF ENGINEER
MANAKIA A ME KAHU WILIKI

ERWIN KAWATA
DEPUTY MANAGER
HOPE MANAKIA



NĀ'ĀLEHU ANTHONY, Chair
JONATHAN KANESHIRO, Vice Chair
BR YAN P. ANDAYA
KAPUA SPROAT
LANCE WILHELM
EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO, P.E., Ex-Officio

September 17, 2024

NOTICE

The Board of Water Supply, City and County of Honolulu, Public Hearing and Regular Meeting will be held on Monday, September 23, 2024, at 2:00 p.m. in the Boardroom, Public Service Building, 630 South Beretania Street, Honolulu, HI 96843.

Limited seating will be available for in-person testifiers in the Boardroom. The public may also view the livestream of the meeting from the lobby of the Board of Water Supply, Public Service Building, 630 South Beretania Street, Honolulu, HI 96843.

Public parking for this meeting is available in the Public Service Building customer parking lot.

TESTIMONY

Testimony may be submitted as follows:

- **Written testimony** should include the submitter's address, email address, and phone number. Testimony should be received by Monday, September 23, 2024, at noon. Submit written testimony by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimony
 - Mail to Board of Water Supply, 630 South Beretania Street, Honolulu, HI 96843
 - Fax to (808) 748-5079
- **Oral testimony** will be accepted remotely and in person during the meeting. Pre-registration is encouraged to facilitate as much remote and in-person testimony as reasonably possible during the time allotted. Testifiers should also consider submitting a written version of their oral testimony.
 - To testify remotely by phone or video using the Zoom videoconferencing platform, please submit your request by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimonyZoom registration instructions, as well as participant guidelines, will be sent to the contact information provided. Once confirmed as registered, testifiers will receive an email containing the links and instructions to join the Zoom session. Submit your request to testify remotely by Friday, September 20, 2024, at noon.
 - To testify in person at the Board of Water Supply, Public Service Building, 630 South Beretania Street, Honolulu, HI 96843, please pre-register by submitting your request by Monday, September 23, 2024:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimony

In-person testifiers should check in with building security and then with testimony staff located in the lobby. Testifiers will be escorted to and from the Board Room. On-site registration will be available for walk-in requests.

Testimony is limited to two (2) minutes and shall be presented by the registered speaker only. Testimony submitted in writing or orally, electronically or in person, for use in the meeting process is public information. All testimony will be included as part of the approved meeting minutes at boardofwatersupply.com/boardmeetings.

MATERIALS AVAILABLE FOR INSPECTION

Meeting materials ("board packet" under HRS §92-7.5) are accessible at www.boardofwatersupply.com/boardmeetings.

VIEWING THE MEETING

The meeting will be viewable via live streaming on the BWS website: www.boardofwatersupply.com/live. Video will appear on screen. You may have to click the arrow on video to start it. You may have to unmute audio, as muted audio tends to be the default setting.

SPECIAL REQUESTS AND ACCOMMODATIONS

If you require special assistance, an auxiliary aid or service, and/or an accommodation due to a disability to participate in this meeting (i.e., sign language interpreter, interpreter for language other than English, or wheelchair accessibility), please call Joy at (808) 748-5172 or email your request to board@hbws.org **at least three business days prior to the meeting date**. If a response is received after the requested three business days before the meeting date deadline, we will try to obtain the auxiliary aid/service or accommodation, but we cannot guarantee that the request will be filled.

Upon request, this notice is available in alternate formats such as large print, Braille, or electronic copy.

The agenda for September 23, 2024, Public Hearing and Regular Meeting of the Board of Water Supply is as follows:

PUBLIC HEARING

1. Proposed Amendment to the Fiscal Year 2024-2025 Operating and Capital Improvement Program Budget of the Board of Water Supply

ITEMS REQUIRING BOARD ACTION

1. Approval of the Minutes of the Regular Meeting Held on August 26, 2024
2. Adoption of Resolution No. 990, 2024, Amending the 2024-2025 Operating and Capital Improvement Program Budget and Appropriating Funds Therefor and Revision of the 2024-2025 Operating and Capital Improvement Program Budget – Amendment No. 1
3. Adoption of Resolution No. 991, 2024, Henderson L. K. Nuuhiwa, 2024 Manager of the Year
4. Adoption of Resolution No. 992, 2024, Tarra Coleman, 2024 Employee of the Year
5. Adoption of Resolution No. 993, 2024, Bryan Chong, 2024 Employee of the Year

ITEMS FOR INFORMATION

1. Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination
2. Financial Update for the Quarter Ended June 30, 2024
3. Capital Improvement Program Semi-Annual Update
4. Fiscal Year 2024 Claims Management Summary
5. Invitation to Imagine a Day Without Water Event on September 28, 2024
6. Status Update of Groundwater Levels at All Index Stations
7. Water Main Repair Report for August 2024

EXECUTIVE SESSION

1. Approval of the Minutes of the Executive Session Held on August 26, 2024

2. To Consult with the Board's Attorney on Questions and Issues Pertaining to the Board's Powers, Duties, Privileges, Immunities, and Liabilities Pertaining to Matters Concerning the Red Hill Bulk Fuel Storage Facility [HRS §92-5(a)(4)]
3. To Consult with the Board's Attorney on Questions and Issues Pertaining to the Board's Powers, Duties, Privileges, Immunities, and Liabilities Pertaining to Matters Concerning the Evaluation of the Chief Engineer [HRS §92-5(a)(4)]

MINUTES

To watch the recording of this meeting, please click on the following link:
<https://vimeo.com/bwshonolulu/sep-23-2024>. Closed captioning is available.

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

September 23, 2024

At 2:00 PM on September 23, 2024, in the Public Service Building Board Room at 630 South Beretania Street, Honolulu, Hawai'i, Board Chair Nā'ālehu Anthony called to order the Public Hearing and Regular Meeting.

Present: Nā'ālehu Anthony, Chair
Jonathan Kaneshiro, Vice Chair
Bryan P. Andaya, Board Member via Zoom
Kapua Sproat, Board Member via Zoom
Lance Wilhelm, Board Members
Edwin H. Sniffen, Ex-Officio
Gene C. Albano, Ex-Officio

Also Present: Ernest Lau, Manager and Chief Engineer
Erwin Kawata, Deputy Manager
Patrick Chun, Acting Program Administrator,
Capital Projects Division
Jennifer Elflein, Program Administrator,
Customer Care Division via Vimeo
Jewel Pharm, Assistant Program Administrator,
Customer Care Division
Kathleen Elliott-Pahinui, Information Officer,
Communications Office
Raelynn Nakabayashi, Executive Assistant I,
Executive Support Office
Wayne Tello, Acting Program Administrator,
Field Operations Division
Glenn Ah Yat, Acting Assistant Program
Administrator,
Field Operations Division
Kaliko Lum Kee, Acting Waterworks Controller,
Finance Division
Michele Thomas, Executive Assistant I,
Human Resources Office via Vimeo
Henderson Nuuhiwa, Program Administrator,
Information Technology Division
Michael Matsuo, Land Administrator, Land Division
Kirk Iwamoto, Chemist V, Water Quality Division
Barry Usagawa, Program Administrator,
Water Resources Division

Kevin Ihu, Program Administrator,
Water System Operations Division
Joyce Lin, Civil Engineer IV, Office of the Manager
and Chief Engineer
Kimberly Kuwaye, Manager Secretary
Joy Cruz-Achiu, Board Secretary
Kathy Mitchell, Administrative Services Officer
via Vimeo
Stella Bernardo, Information Specialist II,
Communications Office via Zoom
Michele Harman, Community Relations Specialist I,
Communications Office via Zoom
Wayne Maria, Information Specialist II,
Communications Office
Ella Foley Gannon,
Morgan, Lewis, and Bockius, LLP

Others Present: Jeff Lau, Deputy Corporation Counsel
via Zoom
Jessica Wong, Deputy Corporation Counsel
via Zoom

Chair Nā'ālehu Anthony opened the Board meeting with an 'ōlelo no'eau:

Aloha mai kākou e nā hoa makamaka mai ka lā hiki a ka lā kau. Welina nui me ke aloha.

Mahalo nui no kēia 'ākoakoa 'ana o kākou no ka pono o ka lāhui, no ka pono o ka 'āina, a no ka pono o ka wai nō ho'i. Eia he 'ōlelo no'eau e kālele ana i ke ko'iko'i o ka wai.

Chair Anthony translated the 'ōlelo no'eau: Aloha from the rising to the setting sun. Thank you all for coming together today for the people, the land, and the water. Here is a short Hawaiian Proverb that helps us remember the importance of fresh water and land.

'Ōlelo 2802: Ua ka ua, ola ka nohona o ka 'āina kula.

Chair Anthony translated 'ōlelo 2802: The rain pours, life comes to the plains. The water gives life to all.

Chair Anthony welcomed everyone to the September 23, 2024, Public Hearing and Regular Meeting of the Board of Water Supply (BWS). He stated that the Board of Water Supply is dedicated to providing safe, dependable, and affordable supply of water now and into the future.

Before continuing the meeting, Chair Anthony stated that a recording would be played to share reminders for public participation and the virtual meeting regulations required by law.

The recording played: Goals for this meeting under Hawai'i Revised Statutes, Section 92-7.5 are accessible at www.boardofwatersupply.com/boardmeeting. The public may attend this meeting in person at the Public Service building located at 630 South Beretania Street. The public may also view a live stream of today's meeting on our website at www.boardofwatersupply.com/live. We have been accepting written or oral testimony for today's meeting. Instructions and an online submittal form are available at boardofwatersupply.com/testimony. The deadline to submit advance written testimony has passed. Testimony received by noon today has been distributed to the board members. We will continue to accept written testimony today through our online form. Oral testimony in person or remotely will be accepted during today's meeting. To facilitate as much in-person and remote testimony as reasonably possible during the time allotted, preregistration and submittal of a written version of testimony at boardofwatersupply.com/testimony is strongly encouraged. To testify in person, please register using our online form or come to the public service building at 630 South Beretania Street. We have a representative in the lobby to provide intake and further instructions. To request to testify remotely, please complete the online form at boardofwatersupply.com/testimony. Requestors will receive an email containing links and instructions to join the Zoom session. Testifiers will have two minutes to state their position. A timekeeper will alert testifiers when there is one minute remaining. Once the two minutes are up, please summarize to allow time for questions from the Board. Then, make room for the next testifier. Board members attending any board meeting remotely must be visible to the public to be considered, present, and meet quorum guidelines. Board members participating remotely must also disclose their location and anyone present at their location during roll call. Meeting participants who are calling or video conferencing in, please mute your microphone when you're not speaking. If you have a question, comment, or wish to enter or second a motion on an action item, please unmute your microphone and identify yourself before continuing to speak. If you encounter technical issues during today's meeting, please use the Zoom chat to send a direct message to our support team. Their names are listed in the message to all participants. To open the chat window, please click the text Bubble icon on the Zoom Toolbar.

Chair Anthony requested a roll call for the Regular Meeting. He asked those participating remotely to give the appropriate disclosures up responding.

Joining by Zoom: Board Member Bryan Andaya responded and disclosed that he was alone at his location; Board Member Kapua Sproat responded and disclosed that she was alone at her location. In the Board room, Vice Chair Jonathan Kaneshiro responded, here; Board Member Lance Wilhelm responded, e'ō; Board Member Edwin Sniffen, here; and Gene Albano responded, aye. Chair Anthony was present in the Boardroom.

Chair Anthony introduced those in the Boardroom: Manager Ernest Lau, Deputy Manager Erwin Kawata, Board Secretary Joy L. Cruz-Achiu, Manager Secretary Kimberly Kuwaye, and Information Specialist II Wayne Maria. Deputy Jeff Lau and Deputy Jessica Wong joined via Zoom from the City and County Corporation Counsel.

PUBLIC HEARING

Chair Nā'ālehu Anthony opened the Public Hearing at 2:09 PM and stated that the Notice of Public Hearing was published in the Friday, September 13, 2024, Star Advertiser.

Chair Anthony introduced Raelynn Nakabayashi, Executive Assistant I, Executive Support Office.


Ms. Raelynn Nakabayashi stated that the purpose of this Public Hearing is to discuss the proposed revisions to the Fiscal Year 2025 Operating and Capital Improvement Program (CIP) Budget – Amendment 1.

Ms. Nakabayashi shared that the proposed revised Operating and CIP Budget – Amendment 1 will:

- Increase the Operating Budget for the Office of the Manager and Chief Engineer
 - To provide funds for Consulting Contracts for the development of the Source Water Protection Program framework for implementation
- Amend funding sources and amounts in the CIP Budget
 - Project No. 6 – Environmental Investigations of Emerging Contaminants
 - Project No. 7 – Construction Management for various BWS construction projects
- Adds a new CIP project in Section II. Renewal and Replacement, and Treatment
 - Item No. 54 – Temporary Drinking Water Treatment Systems
- Make amendments to the provisions of the Budget Resolution to allow the Manager and Chief Engineer to make temporary transfers between Funds as needed

In summary, Ms. Nakabayashi stated that the revised BWS Fiscal Year 2025 Operating and CIP Budget – Amendment 1 will increase its Operating Budget by \$1,000,000 and CIP Budget by \$6,000,000 for an amended total of \$590,010,998.

BUDGET AMENDMENT NO. 1 SUMMARY	
<u>Resolution 985, 2024</u>	
FY 2025 Operating Budget (as Adopted)	\$272,619,998
FY 2025 CIP Budget (as Adopted)	\$310,291,000
<u>Resolution 990, 2024</u>	
FY 2025 – Amendment No. 1	
Addition to Operating Budget	+\$ 1,000,000
OPERATING BUDGET SUB-TOTAL	\$273,619,998
Projects – Added (Operating Fund)	+\$ 11,000,000
Projects – Deleted (SRF)	(\$ 4,900,000)
CIP BUDGET SUB-TOTAL	\$316,391,000
FY 2025 Operating Budget (as Amended)	\$273,619,998
FY 2025 CIP Budget (as Amended)	\$316,391,000
TOTAL APPROPRIATION	\$590,010,998



Vice Chair Jonathan Kaneshiro asked what happens if the State Revolving Fund or grant does not go through.

Ms. Nakabayashi stated that the BWS does not encumber or award contracts funded by the SRF or Extramural or grant fund without a commitment. She explained that the SRF is communicated as a Loan Commitment from the Department of Health (DOH). Before an actual Loan Agreement is executed, the BWS must provide the DOH documentation that the steps to solicit, procure, and award a contract comply with their requirements. As such, BWS moves the solicitations and awards forward based on the Loan Commitment but executes the Loan Agreement after the contract has been awarded and expenses are incurred. The BWS crafts its budget based on loan funding or grants that may be available to them, but it recognizes that should these sources of funds not come through, BWS will have to amend its budget. The BWS continues to pursue all avenues of available funding and grants, but many programs require significant compliance review before funds are committed or released. Should the Lenders or Grantors ultimately deem projects ineligible or the funds are no longer available, the BWS will have to amend its Budget to be able to pursue the project.

Chair Anthony expressed his mahalo to the BWS for seeking as many federal dollar opportunities available to assist with the needs surrounding the Red Hill crisis and the future of our water resource system. He asked Manager Ernest Lau about the idea behind a temporary water treatment system since a permanent water system is much more expensive.

Manager Lau stated that a temporary drinking water treatment is an option being evaluated. He explained that the temporary drinking water treatment system would allow the BWS to continue operations at a time when time is of the essence. He shared that since polycyclic aromatic hydrocarbon (PAH) was detected in the BWS Aiea Well, it is suspected that there may be a PAH plume moving west towards the BWS Ka'amilo Well, which is only half a mile away.

Chair Anthony inquired if the system would be modular and mobile.

Manager Lau responded that a permanent system would take years to design and construct. In contrast, a temporary system can be put in place quickly and operated to help meet the community's needs.

At 2:21 PM, Chair Anthony closed the Public Hearing.



REVISIONS TO THE FISCAL YEAR 2025 OPERATING & CAPITAL IMPROVEMENT PROGRAM BUDGETS

September 23, 2024

Raelynn Nakabayashi

www.boardofwatersupply.com

FISCAL YEAR 2025 BUDGET AMENDMENT NO. 1

This amendment to the Fiscal Year 2025 Operating and Capital Improvement Program (CIP) Budgets is necessary to:

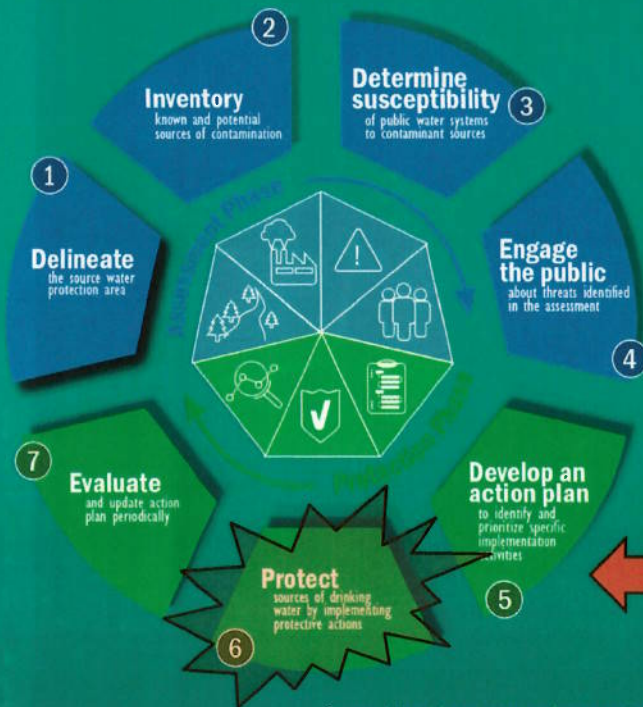
1. Add \$1,000,000.00 to the Operating Budget of the Office of the Manager and Chief Engineer.
2. Amend funding sources and amounts in the CIP:
 - a. Project No. 6: Environmental Investigation of Emerging Contaminants - add \$3,000,000.00 to the Operating Fund and remove \$4,900,000.00 from the State Revolving Fund.
 - b. Project No. 7: Construction Management for Various BWS Construction Projects – add \$3,000,000.00 to the Operating Fund.
3. Add \$5,000,000.00 funding for a new CIP Project in Section II. Renewal and Replacement, Treatment for the temporary installation of water treatment systems at various locations throughout the island.
4. Make amendments to the provisions of the Budget resolution, thereby allowing for temporary transfers.



1. INCREASE OPERATING APPROPRIATIONS IN THE OFFICE OF THE MANAGER AND CHIEF ENGINEER BY \$1,000,000

Increases the appropriation in the following Operating Program Budget line:

Business Unit: Office of the Manager and Chief Engineer (5100), Account 4270: Professional Services.



<u>Appropriation</u>	<u>Present</u>	<u>Proposed</u>
OPERATING FUND	45,000	1,045,000

Reason: The proposed \$1,000,000.00 addition will fund a consulting contract for the development of the Source Water Protection Program framework for implementation



Source: <https://www.epa.gov/sourcewaterprotection>

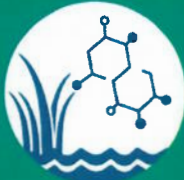


2A. AMEND CIP FUNDING SOURCE

Item No. 6. ENVIRONMENTAL INVESTIGATION OF EMERGING CONTAMINANTS

Description: Provide environmental, engineering and hydrology-geology consulting services related to emerging contaminants in groundwater supply.

SEPA



Appropriation

STATE REVOLVING FUND
OPERATING FUND

Const
Const

Present
4,900,000
0

Proposed
0
3,000,000

Reason: The State of Hawaii Department of Health informed the BWS that the funds requested for this project will be awarded to the BWS as a “Grant” through the United States Environmental Protection Agency (USEPA) Federal Grant No. 48-98T77301-0, Bipartisan Infrastructure Law (BIL), Assistance for Small and Disadvantaged Communities (SDC) which was awarded to the Hawaii Department of Health and included BWS as a sub awardee. This grant provides for reimbursement/funding of eligible expenditures, only after they are incurred. Therefore, the BWS must continue to fund the subject project with \$3,000,000.00 in Operating Funds and will seek reimbursement from the Grant via the DOH.



2B. INCREASE CIP FUNDING

Item No. 7. CONSTRUCTION MANAGEMENT FOR VARIOUS BWS CONSTRUCTION PROJETS

Description: Provide construction management and training services for selected BWS construction projects.

<u>Appropriation</u>		<u>Present</u>	<u>Proposed</u>
CASH	Const	2,000,000	5,000,000

Reason: BWS will add \$3,000,000.00 to have a total of \$5,000,000.00 in Construction Management support to ensure projects remain on track and comply with all legal and regulatory requirements.



2B. INCREASE CIP FUNDING

FY20-FY25 CIP and SRF Appropriations



3. ADD FUNDING FOR A NEW CIP PROJECT IN SECTION II. RENEWAL AND REPLACEMENT, TREATMENT

Item No. 54. TEMPORARY DRINKING WATER TREATMENT SYSTEMS

Install temporary drinking water treatment systems at various locations.

<u>Appropriation</u>		<u>Present</u>	<u>Proposed</u>
CASH	Const	0	5,000,000

Reason: The temporary drinking water treatment systems will allow the BWS to continue serving water that meets all drinking water standards while we develop permanent treatment facilities.



4. ALLOWS FOR TEMPORARY TRANSFERS BETWEEN FUNDS

- This amends the provisions of the Budget resolution, thereby allowing the BWS Manager and Chief Engineer to make temporary transfers, no longer than 12 months, from the Operating Fund to other Funds, as needed.
- The Waterworks Controller will make a report at the end of the fiscal year on all transfers made.
- This flexibility is required as the BWS pursues additional financing opportunities, such as grants, which may operate on a reimbursable basis only.

BE IT FURTHER RESOLVED that in the event there are monies, excluding monies set aside for the redemption of bonds or the payment of interest thereon, in any fund that, in the judgment of the Manager and Chief Engineer, are in excess of the amounts necessary for the immediate requirements of the respective funds, and where, in the judgment of the Manager and Chief Engineer, such action will not impede the necessary or desirable financial operations of the Board of Water Supply, the Manager and Chief Engineer may make temporary transfers or loans therefrom to the other funds of the Board of Water Supply. Following the end of the fiscal year, the Waterworks Controller will report to the Board of Water Supply on: (1) the amount of the transfer or loan required; (2) the reason or justification for the transfer or loan; (3) the total amount outstanding and unreimbursed in temporary transfers and loans after making the subject transfer or loan; and (4) the anticipated date of the reimbursement or repayment. All transfers or loans under this provision shall be reimbursed or repaid no later than 12 months from the date on which the transfer or loan was made, unless a later date is approved by the Board of Water Supply by resolution adopted on one reading without publication; and



BUDGET AMENDMENT NO. 1 SUMMARY

Resolution 985, 2024

FY 2025 Operating Budget (as Adopted)	\$272,619,998
FY 2025 CIP Budget (as Adopted)	\$310,291,000

Resolution 990, 2024

FY 2025 – Amendment No. 1	
Addition to Operating Budget	<u>+\$ 1,000,000</u>
OPERATING BUDGET SUB-TOTAL	\$273,619,998
Projects – Added (Operating Fund)	+\$ 11,000,000
Projects – Deleted (SRF)	<u>(\$ 4,900,000)</u>
CIP BUDGET SUB-TOTAL	\$316,391,000
FY 2025 Operating Budget (as Amended)	\$273,619,998
FY 2025 CIP Budget (as Amended)	<u>\$316,391,000</u>
TOTAL APPROPRIATION	\$590,010,998





Mahalo!

BOARD OF WATER SUPPLY

Revisions to the Fiscal Year 2025
Operating & Capital Improvement
Program Budgets

September 23, 2024

Providing safe, dependable, and affordable
drinking water, now and into the future.

REGULAR MEETING

APPROVAL OF MINUTES

Approval of the Minutes of the Regular Meeting Held on August 26, 2024.

MOTION TO APPROVE

Jonathan Kaneshiro and Lance Wilhelm motioned and seconded, respectively, to approve the Minutes of the Regular Meeting Held on August 26, 2024.

Ms. Cruz-Achiu conducted a roll call vote: Vice Chair Jonathan Kaneshiro, aye; Board Member Kapua Sproat, aye; Board Member Bryan Andaya, aye; Board Member Lance Wilhelm, aye; Board Member Edwin Sniffen, aye; Board Member Gene Albano, aye; and Chair Nā'ālehu Anthony, aye.

Ms. Cruz-Achiu announced that the motion passed with seven ayes.

THE MINUTES OF THE REGULAR MEETING HELD ON AUGUST 26, 2024, WERE APPROVED AT THE SEPTEMBER 23, 2024, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA	X		
LANCE WILHELM	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

“September 23, 2024

ADOPTION OF
RESOLUTION NO.
990, 2024,
AMENDING THE
2024-2025
CAPITAL
IMPROVEMENT
PROGRAM
BUDGET AND
APPROPRIATING
FUND THEREFOR
AND REVISION
THE 2024-2025
OPERATING AND
CAPITAL
IMPROVEMENT
PROGRAM
BUDGET -
AMENDMENT
NO. 1

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Adoption of Resolution No.990, 2024, Amending the
2024-2025 Operating and Capital Improvement Program
Budget and Appropriating Funds Therefor and Revision of
the 2024-2025 Operating and Capital Improvement
Program Budget – Amendment No. 1

We recommend adoption of the attached Resolution No. 990, 2024,
which shall:

1. **Increase funding in the Operating Budget of the Office of the Manager and Chief Engineer by \$1,000,000.00.** The additional funds are required for the development of the Source Water Protection Program framework for implementation.
2. **Amend funding sources and amounts in the Capital Improvement Program (CIP) Budget.** These changes are required, specifically for the following FY25 CIP Projects:
 - a. **Project No. 6: Environmental Investigation of Emerging Contaminants.** Funding of \$4,900,00.00 was originally budgeted in the State Revolving Fund (SRF) to reflect an anticipated low-interest loan from the Department of Health (DOH). DOH has informed the BWS that the requested funds will be provided as a Grant and on an annual reimbursement basis, subject to availability of federal appropriations. This amendment reflects the addition of \$3,000,000.00 in the Operating Fund to cover project expenditures while the BWS works with the DOH to finalize the grant agreement.
 - b. **Project No. 7: Construction Management for Various BWS Construction Projects.** Funding of \$2,000,000.00 was originally budgeted to support selected BWS construction projects. As our CIP grows and the regulatory environment changes, our workload in managing active construction projects increases. Additionally, as we deploy diversified funding strategies, the BWS will require additional \$3,000,000.00, for a total of \$5,000,000.00, in Construction Management support to ensure projects

remain on track and follow all legal and regulatory requirements.

2. **Add \$5,000,000.00 for a new CIP Project in Section II. Renewal and Replacement - Treatment.** This new project is required to address the temporary installation of water treatment systems at various locations throughout the island.
3. **Make amendments to the provisions of the Budget resolution, thereby allowing for temporary transfers.** This will allow the BWS Manager and Chief Engineer to make temporary transfers, no longer than 12 months, from the Operating Fund to other Funds, as needed. This flexibility is required as the BWS pursues additional financing opportunities, such as grants, which may operate on a reimbursable basis only.

We recommend adoption of the amended Operating and CIP Budgets for the fiscal year beginning July 1, 2024, and ending June 30, 2025, as submitted to the Board on September 23, 2024.

A public hearing to consider the proposed amended budget, as required by the City Charter, was held on September 23, 2024. The affidavit attesting to the publication of the public hearing notice is attached.

This resolution will make the following changes to the FY 2025 Operating and CIP Budgets:

1. Increases the appropriation in the following Operating Program Budget line:

Business Unit: Office of the Manager and Chief Engineer (5100)
Account No.: Professional Services (4270)

<u>Appropriation</u>	<u>Present</u>	<u>Proposed</u>
OPERATING FUND	45,000	1,045,000

Reason: The additional funds are required for the development of the Source Water Protection Program framework for implementation.

2. Increases the appropriation in following CIP Budget projects:

Item No. 6. ENVIRONMENTAL INVESTIGATION OF EMERGING CONTAMINANTS

Provide environmental, engineering, and hydrology-geology consulting services related to emerging contaminants in groundwater supply.

<u>Appropriation</u>		<u>Present</u>	<u>Proposed</u>
STATE REVOLVING FUND	Const	4,900,000	0
OPERATING FUND	Const	0	3,000,000

Reason: DOH informed the BWS that the requested funds for this project will be awarded to the BWS as a "Grant" (US EPA Federal Grant No. 48-98T77301-0, BIL SDC), which was awarded to the DOH and included BWS as a sub awardee. This grant provides for reimbursement/funding of eligible expenditures only after they are incurred.

Item No. 7. CONSTRUCTION MANAGEMENT FOR VARIOUS BWS CONSTRUCTION PROJECTS

Provide construction management and training services for selected BWS construction projects.

<u>Appropriation</u>		<u>Present</u>	<u>Proposed</u>
OPERATING FUND	Const	2,000,000	5,000,000

Reason: BWS will add funding of \$3,000,000.00 for a total amount of \$5,000,000.00 in Construction Management support to ensure projects remain on track and comply with all legal and regulatory requirements.

3. Add a new project under Section II. Renewal and Replacement in the CIP Budget:

Item No. 54. TEMPORARY DRINKING WATER TREATMENT SYSTEMS

Install temporary drinking water treatment systems at various locations.

<u>Appropriation</u>		<u>Present</u>	<u>Proposed</u>
OPERATING FUND	Const	0	5,000,000

Reason: The temporary drinking water treatment systems will allow the BWS to continue serving water that meets all drinking water standards while we develop permanent treatment facilities.

4. Adds a provision to allow the Manager and Chief Engineer to approve the temporary transfer of monies between funds, which will be repaid within 12 months and requires the Waterworks Controller report on these transfers after the end of FY 2025.

The following is a summarization of the FY 2024-2025 CIP Budget Amendment No. 1:

Resolution 985, 2024

FY 2025 Operating Budget (as Adopted)	\$272,619,998
FY 2025 CIP Budget (as Adopted)	\$310,291,000

Resolution 990, 2024

FY 2025 – Amendment No. 1	
Addition to Operating Budget	<u>+\$ 1,000,000</u>
OPERATING BUDGET SUB-TOTAL	\$273,619,998
Projects – Added (Operating Fund)	+\$ 11,000,000
Projects – Deleted (SRF)	<u>(\$ 4,900,000)</u>
CIP BUDGET SUB-TOTAL	\$316,391,000
FY 2025 Operating Budget (as Amended)	\$273,619,998
FY 2025 CIP Budget (as Amended)	<u>\$316,391,000</u>
TOTAL APPROPRIATION	\$590,010,998

Upon approval, the appropriate pages of the CIP budget will be revised for distribution.

Respectfully Submitted,

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

Attachment”

DISCUSSION: Raelynn Nakabayashi, Executive Assistant I, Executive Support Office, gave the report.

MOTION TO APPROVE Lance Wilhelm and Gene Albano motioned and seconded, respectively, to approve the Adoption of Resolution No. 990, 2024, Amending the 2024-2025 Operating and Capital Improvement Program Budget and Appropriating Funds Therefor and Revision of the 2024-2025 Operating and Capital Improvement Program Budget - Amendment No. 1.

Ms. Cruz-Achiu conducted a roll call vote: Vice Chair Jonathan Kaneshiro, aye; Board Member Kapua Sproat, aye; Board Member Bryan Andaya, aye; Board Member Lance Wilhelm, aye; Board Member Edwin Sniffen, aye; Board Member Gene Albano, aye; and Chair Nā’ālehu Anthony, aye.

Ms. Cruz-Achiu announced that the motion passed with seven ayes.

ADOPTION OF RESOLUTION NO. 990, 2024, AMENDING THE 2024-2025 OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET AND APPROPRIATING FUNDS THEREFOR AND REVISION OF THE 2024-2025 OPERATING AND CAPITAL IMPROVEMENT BUDGET – AMENDMENT NO. 1 WAS ADOPTED ON SEPTEMBER 23, 2024

	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA	X		
LANCE WILHELM	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 990, 2024

**RESOLUTION AMENDING THE OPERATING AND CAPITAL IMPROVEMENT
PROGRAM BUDGET FOR FISCAL YEAR 2025 AND APPROPRIATING FUNDS
THEREFOR**

BE IT RESOLVED by the Board of Water Supply, City and County of Honolulu, State of Hawai'i, that in accordance with the provisions of Article VII of the Revised Charter of the City and County of Honolulu, the sum of TWO HUNDRED SEVENTY-THREE MILLION SIX HUNDRED NINETEEN THOUSAND NINE HUNDRED AND NINETY-EIGHT DOLLARS (\$273,619,998) 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, 2024 and ending June 30, 2025 as follows:

OPERATING BUDGET

OPERATING FUND.....\$273,619,998

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 Manager and Chief Engineer, at his discretion, shall have the authority to increase said Operating Fund appropriation provided

that the total consolidated appropriation of Operating Funds within the Operating Budget and Capital Improvement Program Budget remains the same; and

BE IT FURTHER RESOLVED that the sum of SEVENTY-NINE MILLION FOUR HUNDRED SIXTY THOUSAND DOLLARS (\$79,460,000) be and the same is hereby appropriated out of all monies placed to the credit of the Operating Fund, the sum of ONE HUNDRED SIX MILLION EIGHT HUNDRED SEVENTY-SIX THOUSAND DOLLARS (\$106,876,000) be and the same is hereby appropriated out of all monies placed to the credit of the State Revolving Fund, the sum of FORTY-EIGHT MILLION TWO HUNDRED SEVENTY-FIVE THOUSAND DOLLARS (\$48,275,000) be and the same is hereby appropriated out of all monies placed to the credit of the Improvement Fund, the sum of SEVEN MILLION ONE HUNDRED TEN THOUSAND DOLLARS (\$7,110,000) be and the same is hereby appropriated out of all monies placed to the credit of the Special Expendable Fund, the sum of TWENTY MILLION DOLLARS (\$20,000,000) be and the same is hereby appropriated out of all monies placed to the credit of the Extramural Fund, and the sum of FIFTY-FOUR MILLION SIX HUNDRED SEVENTY THOUSAND DOLLARS (\$54,670,000) be and the same is hereby appropriated out of all monies placed to the credit of the Water Infrastructure Finance and Innovation Act for a total of THREE HUNDRED SIXTEEN MILLION THREE HUNDRED NINETY-ONE THOUSAND DOLLARS (\$316,391,000) for expenditures of the Board of Water Supply Capital Improvement Program Budget for the fiscal year beginning July 1, 2024 and ending June 30, 2025, as follows:

CAPITAL IMPROVEMENT PROGRAM BUDGET

OPERATING FUND.....	\$ 79,460,000
STATE REVOLVING FUND.....	\$106,876,000

IMPROVEMENT FUND.....	\$ 48,275,000
SPECIAL EXPENDABLE FUND.....	\$ 7,110,000
EXTRAMURAL FUND.....	\$ 20,000,000
WATER INFRASTRUCTURE FINANCE AND INNOVATION ACT FUND.....	\$ 54,670,000
TOTAL.....	\$ 316,391,000

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 amounts appropriated out of the Operating Fund, Improvement Fund, Special Expendable Fund, and/or Extramural 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 FURTHER RESOLVED that the Board of Water Supply may receive monies which use is specified or otherwise limited by the monies' source from any government or quasi-governmental agency. When such funds are received in amounts 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 Extramural Fund, the Board of Water Supply shall maintain accounts showing the monies so received and specifying the purposes for which they have been received and held; and

BE IT FURTHER RESOLVED that expenditure of all monies described in the preceding paragraph, and for the purposes set forth, shall be deemed approved, and the Manager and Chief Engineer deemed authorized to receive and expend the funds provided as provided by law; and

BE IT FURTHER RESOLVED that in the event there are monies, excluding monies set aside for the redemption of bonds or the payment of interest thereon, in any fund that, in the judgment of the Manager and Chief Engineer, are in excess of the amounts necessary for the immediate requirements of the respective funds, and where, in the judgment of the Manager and Chief Engineer, such action will not impede the necessary or desirable financial operations of the Board of Water Supply, the Manager and Chief Engineer may make temporary transfers or loans therefrom to the other funds of the Board of Water Supply. Following the end of the fiscal year, the Waterworks Controller will report to the Board of Water Supply on: (1) the amount of the transfer or loan required; (2) the reason or justification for the transfer or loan; (3) the total amount outstanding and unreimbursed in temporary transfers and loans after making the subject transfer or loan; and (4) the anticipated date of the reimbursement or repayment. All transfers or loans under this provision shall be reimbursed or repaid no later than 12 months from the date on which the transfer or loan was made unless a later date is approved by the Board of Water Supply by resolution adopted on one reading without publication; and

BE IT FURTHER RESOLVED that the Board of Water Supply acknowledges that these budgets, as appropriated, may result in temporary deviation from the financial policies adopted by Resolution 873, 2017, namely, to establish a target requirement to never have less than 60 days of working capital. As the Board of Water Supply contends with inflationary pressures that have outpaced revenue growth, these Budgets reflect the possibility of having less than the minimum 60 days of working capital cash on hand. The Board of Water Supply recognizes that the reserve of working capital was designated for the purpose of addressing economic and revenue downturns and emergency situations,

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that the BOARD OF WATER SUPPLY (BWS), CITY AND COUNTY OF HONOLULU, will hold a PUBLIC HEARING in the Board Room, Public Service Building, 630 South Beretania Street, on Monday, September 23, 2024, 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 Amendment to the Fiscal Year (FY) 2025 Operating and Capital Improvement Program Budgets of the Board of Water Supply, beginning July 1, 2024, and ending June 30, 2025.

Limited seating will be available for in-person testifiers in the Board Room. The public may also view the livestream of the meeting from the lobby of the Board of Water Supply, Public Service Building, 630 S. Beretania St., Honolulu, HI 96843.

TESTIMONY CAN BE SUBMITTED AS FOLLOWS:

- Written testimony should include the submitter's address, email address, and phone number. Testimony should be received by Monday, September 23, 2024, at noon. Submit written testimony by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimony
 - Mail to Board of Water Supply, 630 S. Beretania St., Honolulu, HI 96843
 - Fax to (808) 748-5079
- Oral testimony will be accepted remotely and in person during the meeting. Pre-registration is encouraged to facilitate as much remote and in-person testimony as reasonably possible during the time allotted. Testifiers should also consider submitting a written version of their oral testimony.
 - To testify remotely by phone or video using the Zoom videoconferencing platform, please submit your request by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimony

Zoom registration instructions, as well as participant guidelines, will be sent to the contact information provided. Once confirmed as registered, testifiers will receive an email containing the links and instructions to join the Zoom session. Submit your request to testify remotely by Friday, September 20, 2024, at noon.

- To testify in person at the Board of Water Supply, Public Service Building, 630 S. Beretania St., Honolulu, HI 96843, please pre-register by submitting your request by Monday, September 23, 2024:
 - Email to board@hbws.org
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In-person testifiers should check-in with building security and then with testimony staff located in the lobby. Testifiers will be escorted to and from the Board Room. On-site registration will be available for walk-in requests.

Testimony is limited to two (2) minutes and shall be presented by the registered speaker only. Testimony submitted in writing or orally, electronically or in person, for use in the meeting process is public information. All testimony will be included as part of the approved meeting minutes at boardofwatersupply.com/boardmeetings.

MATERIALS AVAILABLE FOR INSPECTION

Meeting materials ("board packet" under HRS Section 92-7.5) are accessible at boardofwatersupply.com/boardmeetings.

VIEWING THE MEETING

The meeting will be viewable via live streaming on the BWS website: www.boardofwatersupply.com/live. Video will appear on screen. You may have to click the arrow on video to start it. You may have to unmute audio as muted audio tends to be the default setting.

SPECIAL REQUESTS AND ACCOMMODATIONS

If you require special assistance, an auxiliary aid or service, and/or an accommodation due to a disability to participate in this meeting (i.e., sign language interpreter; interpreter for language other than English; or wheelchair accessibility), please call (808) 748-5172 or email your request to board@hbws.org at least three (3) business days prior to the meeting date. If a response is received after the requested three (3) business days before the meeting date deadline, we will try to obtain the auxiliary aid/service or accommodation, but we cannot guarantee that request will be filled.

Upon request, this notice is available in alternate formats such as large print, Braille, or electronic copy.

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

AFFIDAVIT OF PUBLICATION

IN THE MATTER OF
NOTICE OF PUBLIC HEARING

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

Doc. Date: SEP 13 2024 # Pages: 1
 Notary Name: COLLEEN E. SORANAKA First Judicial Circuit
 Doc. Description: Affidavit of
Publication
 Notary Signature: [Signature] SEP 16 2024 Date
 Notary Public No. 90-263
 STATE OF HAWAII

Kimberly Masu 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, MidWeek, The Garden Island, West Hawaii Today, and Hawaii Tribune-Herald, 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

Honolulu Star-Advertiser 1 times on:
09/13/2024
 MidWeek 0 times on:
 The Garden Island 0 times on:
 Hawaii Tribune-Herald 0 times on:
 West Hawaii Today 0 times on:

Other Publications: 0 times on:

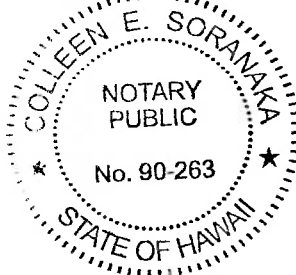
And that affiant is not a party to or in any way interested in the above entitled matter.

[Signature]
Kimberly Masu

Subscribed to and sworn before me this 16th day of September A.D. 2024

[Signature]
Colleen E. Soranaka, Notary Public of the First Judicial Circuit, State of Hawaii
My commission expires: Jan 06 2028

Ad # 0001467726



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ICS Upon request, this notice is available in alternate formats such as large print, Braille, or electronic copy.

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

(SA1467726 9/13/24)

"September 23, 2024

ADOPTION OF
RESOLUTION
NO. 991, 2024,
HENDERSON
L. K. NU'UHIWA,
2024 MANAGER
OF THE YEAR

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843
Chair and Members:

Subject: Adoption of Resolution No. 991, 2024,
Henderson L. K. Nu'uhiwa, 2024 Manager of the Year

We are pleased to announce that the 2024 Manager of the Year for the Board of Water Supply is Mr. Henderson L. K. Nu'uhiwa. He is the Program Administrator of the BWS's Information Technology (IT) Division.

We recommend the adoption of Resolution No. 991, 2024, to honor Mr. Nu'uhiwa for his outstanding leadership, service, and dedication to the Board of Water Supply.

Respectfully Submitted,

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

Attachment"

DISCUSSION: Ernest Lau, Manager and Chief Engineer, gave the report.

Chair Anthony thanked Mr. Henderson Nu'uhiwa for his continuous service in keeping up to date with the various scams and viruses and helping protect the water system.

MOTION TO APPROVE Edwin Sniffen and Jonathan Kaneshiro motioned and seconded, respectively, the Adoption of Resolution No. 991, 2024, Henderson L. K. Nu'uhiwa, 2024 Manager of the Year.

In lieu of a roll call vote, Chair Anthony requested a voice vote on the motion and requested that Board Members in favor of the motion say "Aye." The Board members present responded with a verbal "Aye." Chair Anthony then inquired if any Board Members would like to object or vote "Nay" on the motion. There were no objections or "Nay" votes. Chair Anthony announced that the motion was unanimously carried.

ADOPTION OF RESOLUTION NO. 991, 2024, HENDERSON L. K. NU'UHIWA, 2024 MANAGER OF THE YEAR WAS APPROVED ON SEPTEMBER 23, 2024			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
BRYAN P. ANDAYA	X		
KAPUA SPROAT	X		
LANCE WILHELM	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		



**BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU**

RESOLUTION NO. 991, 2024

**HENDERSON NU‘UHIWA
2024 MANAGER OF THE YEAR**

WHEREAS, HENDERSON L. K. NU‘UHIWA, Program Administrator of the Information Technology (IT) Division, has been selected as the Board of Water Supply’s (BWS) Manager of the Year for 2024; and

WHEREAS, since joining the BWS’s management team in November 2011, MR. NU‘UHIWA has successfully led the division that develops and maintains essential information technology systems and services that sustain vital 24/7 operations of O‘ahu’s drinking water system so that it remains safe and dependable for one million island users now and into the future; and

WHEREAS, with cyberattacks against water utilities increasing, HENDERSON NU‘UHIWA’s vision, exemplary leadership, and ability to build relationships with key cybersecurity government agencies have enabled the BWS to continually implement and improve numerous proactive practices, policies, and systems to safeguard the Department’s IT infrastructure from malicious threat actors so that critical information systems and water facilities are better protected and remain secure; and

WHEREAS, as a highly respected division head, MR. NU‘UHIWA’s calm demeanor, patience, problem-solving abilities, expertise, and positive attitude have helped build a collaborative work environment for the cohesive and dedicated IT team, with whom he regularly meets to continually review and strengthen BWS’s information systems, initiatives, and system hardening strategies; as well as provide professional growth opportunities and challenges to encourage their futures as leaders in government information technology; and

WHEREAS, MR. NU‘UHIWA’s selection as the 2024 Board of Water Supply Manager of the Year and his nomination as the 2024 City Manager of the Year has brought pride and honor to the BWS and all his family and friends; now, therefore

BE IT RESOLVED by the Members of the Board of Water Supply, City and County of Honolulu, that we hereby do express to HENDERSON L. K. NU‘UHIWA our heartfelt appreciation for his outstanding service to the Department and the City and County of Honolulu; and

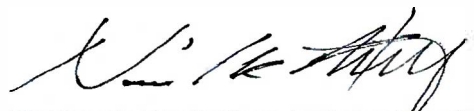
BE IT FURTHER RESOLVED that the Members of this Board express our sincere congratulations upon his selection as the Board of Water Supply Manager of the Year for 2024; and

BE IT FINALLY RESOLVED that this Resolution be presented to MR. NU‘UHIWA with our warmest aloha and best wishes for all his future endeavors.



Resolution No. 991, 2024

Adopted this 23rd day of September 2024
Board of Water Supply, Honolulu, Hawai‘i



NĀ‘ĀLEHU ANTHONY
Chair of the Board

“September 23, 2024

ADOPTION OF
RESOLUTION
NO. 992, 2024,
TARRA
COLEMAN,
2024 EMPLOYEE
OF THE YEAR

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843
Chair and Members:

Subject: Adoption of Resolution No. 992, 2024,
Tarra Coleman, 2024 Employee of the Year

We are pleased to announce that a 2024 Employee of the Year for the Board of Water Supply is Ms. Tarra Coleman. She is a Small Water Meter Maintenance Supervisor in the Field Operations Division.

We recommend the adoption of Resolution No. 992, 2024, to honor Ms. Tarra Coleman for her outstanding service, contributions, and dedication to the Board of Water Supply.

Respectfully Submitted,

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

Attachment”

DISCUSSION: Ernest Lau, Manager and Chief Engineer, gave the report.

Glenn Ah Yat, Acting Assistant Program Administrator, Field Operations Division, shared about Ms. Tarra Coleman’s leadership and work ethic that helps uphold the BWS’s mission and improve public service to O’ahu residents.

Manager Lau requested that the former Field Operations Division Program Administrator Jason Nikaido share a few words.

Mr. Jason Nikaido shared Ms. Coleman’s story prior to becoming the Small Water Meter Maintenance Supervisor. Ms. Coleman began as a Professional Service Contract (PSC) Clerk in the Field Operations Division, who did not have any experience but jumped at the opportunity when the position became available. She excelled in her position, which runs the 20-year meter change-out program and helped convert PSC positions into permanent positions.

MOTION
TO APPROVE

Gene Albano and Lance Wilhelm motioned and seconded, respectively, the Adoption of Resolution No. 992, 2024, Tarra Coleman, 2024 Employee of the Year.

In lieu of a roll call vote, Chair Anthony requested a voice vote on the motion and requested that Board Members in favor of the motion say

“Aye.” The Board members present responded with a verbal “Aye.” Chair Anthony then inquired if any Board Members would like to object or vote “Nay” on the motion. There were no objections or “Nay” votes. Chair Anthony announced that the motion was unanimously carried.

ADOPTION OF RESOLUTION NO. 992, 2024, TARRA COLEMAN, 2024 EMPLOYEE OF THE YEAR WAS APPROVED ON SEPTEMBER 23, 2024			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
BRYAN P. ANDAYA	X		
KAPUA SPROAT	X		
LANCE WILHELM	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		



**BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU**

RESOLUTION NO. 992, 2024

**TARRA COLEMAN
2024 EMPLOYEE OF THE YEAR**

WHEREAS, Tarra Coleman, Small Water Meter Maintenance Supervisor in the Field Operations Division, is a dedicated, hardworking, and exceptional employee who has been selected as a Board of Water Supply Employee of the Year for 2024; and

WHEREAS, Ms. Coleman's strong work ethic and steadfast commitment to the BWS, coupled with her skills, resulted in her being promoted to supervisor, where she has enabled her team to reach new significant milestones as they replaced over 19,000 automated meter reading (AMR) equipment since 2021 on O'ahu; and

WHEREAS, with her deep insight, decisive action, and dedication to excellence, she has been able to successfully lead her team to expand their technical skills, which contributed to an increased drive-by read rate from 84% to 97% - while keeping the estimated bill rate just below 2% - improving public service to BWS ratepayers and increasing the program's effectiveness and efficiency; and

WHEREAS, under Ms. Coleman's leadership, AMR team members have considerably improved their skills, and as a result, from January 2023 until now, they have successfully replaced aging meter equipment, including about 7,400-meter electronic registers and more than 7,700-meter transponder units that are critical to enable AMR data collection. Through these changeouts, Ms. Coleman and her team have saved the BWS time and money that would be required for other staff to manually collect meter reading data; and

WHEREAS, she has also worked diligently to boost and strengthen her team's morale and productivity, including navigating the arduous process of converting nine AMR members from Personal Service Contracts to permanent civil service positions; and

WHEREAS, Ms. Coleman strives for top quality in all she does and readily assists her team and others where needed, earning the respect and esteem of her subordinates, peers, and supervisors; and

WHEREAS, Ms. Coleman has been selected as a Board of Water Supply Employee of the Year and will go on to represent the Board of Water Supply in the upcoming City Employee of the Year Recognition Ceremony, bringing pride and honor to the Department, her family, and friends; now, therefore

BE IT RESOLVED by the Members of the Board of Water Supply, City and County of Honolulu, that we do hereby express to Tarra Coleman our sincere appreciation for her outstanding service to the Department and the City and County of Honolulu; and

BE IT FURTHER RESOLVED that the Members of this Board express to Tarra Coleman our sincere congratulations upon her selection as the Board of Water Supply Employee of the Year for 2024; and

BE IT FINALLY RESOLVED that this Resolution be presented to Ms. Coleman with our heartfelt aloha and best wishes for success in all her future endeavors.



Resolution No. 992, 2024

Adopted this 23rd day of September 2024
Board of Water Supply, Honolulu, Hawai'i

NĀ'ĀLEHU ANTHONY
Chair of the Board

“September 23, 2024

ADOPTION OF
RESOLUTION
NO. 993, 2024,
BRYAN
CHONG,
2024 EMPLOYEE
OF THE YEAR

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843
Chair and Members:

Subject: Adoption of Resolution No. 993, 2024,
Bryan Chong, 2024 Employee of the Year

We are pleased to announce that a 2024 Employee of the Year for the Board of Water Supply is Mr. Bryan Chong. He is a Water Service Investigator III in the Field Operations Division.

We recommend the adoption of Resolution No. 993, 2024, to honor Mr. Bryan Chong for his outstanding service, contributions, and dedication to the Board of Water Supply.

Respectfully Submitted,

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

Attachment”

DISCUSSION: Ernest Lau, Manager and Chief Engineer, gave the report.

Mr. Jason Nikaido, former Program Administrator of the Field Operations Division, stated that working with Mr. Bryan Chong was a pleasure. He shared that Mr. Chong started as a pipe fitter and found his place in leak detection. When offered the opportunity to manage the satellite leak detection team, he took on the challenge and helped advance the leak detection efforts. Mr. Nikaido also mentioned that as a former employee of the BWS, the BWS encourages employees to challenge themselves and try for other positions.

Manager Lau commented that a good leader is willing to teach, share their knowledge, and help others grow. He shared that Mr. Chong has offered to share his knowledge and experience with other county water departments during the Hawai'i Water Works Association (HWWA) conference in Kaua'i in October.

Chair Anthony also commented that sharing knowledge and experience is an essential piece of the puzzle since water is so precious.

MOTION
TO APPROVE

Edwin Sniffen and Lance Wilhelm motioned and seconded, respectively, the Adoption of Resolution No. 993, 2024, Bryan Chong, 2024 Employee of the Year.

In lieu of a roll call vote, Chair Anthony requested a voice vote on the motion and requested that Board Members in favor of the motion say "Aye." The Board members present responded with a verbal "Aye." Chair Anthony then inquired if any Board Members would like to object or vote "Nay" on the motion. There were no objections or "Nay" votes. Chair Anthony announced that the motion was unanimously carried.

ADOPTION OF RESOLUTION NO. 993, 2024, BRYAN CHONG, 2024 EMPLOYEE OF THE YEAR WAS APPROVED ON SEPTEMBER 23, 2024			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY			
JONATHAN KANESHIRO			
BRYAN P. ANDAYA			
KAPUA SPROAT			
LANCE WILHELM			
EDWIN H. SNIFFEN			
GENE C. ALBANO			

At 2:46 PM, Chair Anthony called for a recess for picture taking of all the honorees.

At 2:53 PM, Chair Anthony called the meeting back to order.

Chair Anthony commented that today is a special day at the BWS as we recognize the 2024 Manager of the Year and the Employee of the Year. He shared that at the BWS Board Meetings, he and Manager Lau would sign retirement and years of service awards, some with 30-plus years of service, and expressed how inspiring the awardees are to him asking Manager Lau about them. Chair Anthony extended his appreciation to everyone at the BWS for their service.



**BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU**

RESOLUTION NO. 993, 2024

**BRYAN CHONG
2024 EMPLOYEE OF THE YEAR**

WHEREAS BRYAN CHONG, a Water Service Investigator III in the Field Operations Division, has been an exceptional employee since joining the Board of Water Supply (BWS) in January 2007 as a Trades Apprentice and has been selected as the 2024 BWS Employee of the Year; and

WHEREAS MR. CHONG has shown remarkable dedication and skill, as he worked his way up from a Trades Apprentice to Pipefitter, then to the Customer Care Division as a Water Service Investigator, and finally returning to Field Operations in August 2022 as a Water Service Investigator III, leading the Leak Detection Team; and

WHEREAS MR. CHONG is a pivotal member of the Leak Detection Team, known for his leadership, expertise, and commitment to excellence, which greatly contributed to the success of the BWS satellite leak detection program; and

WHEREAS MR. CHONG has taken on roles beyond his job description, serving as team leader, trainer, and mentor for new team members, managing the satellite leak detection contract, and leading research and development for new leak detection equipment and technologies; and

WHEREAS under MR. CHONG's management, the BWS satellite leak detection program has significantly increased the number of leaks detected, reduced non-revenue water loss, saved customers money, and prevented property damage; and

WHEREAS MR. CHONG and his team have investigated 1,999 points of interest and identified 2,484 leaks, demonstrating his proactive approach to water service investigation and his commitment to protecting O'ahu's precious water supply; and

WHEREAS MR. CHONG's efforts have improved the efficiency of leak detection and contributed to water conservation, showcasing his dedication to the community and the mission of the BWS; and

WHEREAS the nomination of MR. CHONG acknowledges his exceptional expertise, dedication, and commitment, advancing the BWS's efforts in water conservation and leak detection, bringing pride and honor to the Department, his family, and friends; now, therefore

BE IT RESOLVED by the Members of the Board of Water Supply, City and County of Honolulu, that we do hereby express to BRYAN CHONG our sincere appreciation for his outstanding service to the Department and to the City and County of Honolulu; and

BE IT FURTHER RESOLVED that the Members of this Board express to BRYAN CHONG our sincere congratulations upon his selection as the Board of Water Supply Employee of the Year for 2024; and

BE IT FINALLY RESOLVED that this Resolution be presented to MR. CHONG with our heartfelt aloha and best wishes for success in all his future endeavors.



Resolution No. 993, 2024

Adopted this 23rd day of September 2024
Board of Water Supply, Honolulu, Hawai'i

NĀ'ĀLEHU ANTHONY
Chair of the Board

ITEM FOR INFORMATION NO. 1

"September 23, 2024

UPDATE ON
THE BOARD OF
WATER SUPPLY'S
RESPONSE TO
THE POTENTIAL
IMPACTS OF
RED HILL FUEL
CONTAMINATION

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Update on the Board of Water Supply's Response to the
Potential Impacts of the Red Hill Fuel Contamination

Joyce Lin, Civil Engineer IV, Office of the Manager and Chief Engineer,
will give an Update on the Board of Water Supply's Response to the
Potential Impacts of the Red Hill Fuel Contamination.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

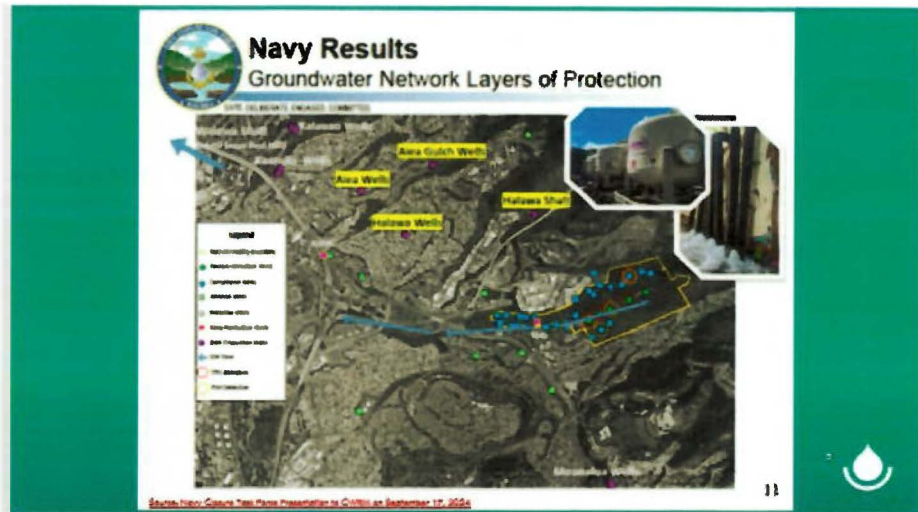
Joyce Lin, Civil Engineer IV, Office of the Manager and Chief Engineer,
gave the report.

Chair Anthony asked Manager Lau or Ms. Joyce Lin to share the history
of the groundwater flow model and why that data is crucial to
understanding what is happening at Red Hill and Halawa Valley.

Manager Lau shared that in 2015, the DOH, the EPA, the Navy, and the
Defense of Logistics Agency (DLA) executed a voluntary agreement
known as the Administrative Order on Consent (AOC) as the result of the
January 2014 Red Hill leak from Tank 5 which leaked 27,000 and
possibly up to 40,000 gallons (gal.) of Jet Petroleum A (JPA). The goal of
the 2015 AOC is to help protect the environment and to keep the the Red
Hill Bulk Fuel Storage Facility operating for an additional 25 to 35 years.
The 2015 AOC also required a groundwater flow model and fate and
contaminant transport modeling to understand the direction water travels
in the underground aquifer and what happens to past releases and
contamination in our complex Hawaiian geology. Since 2020, the BWS
has raised the question of whether the contamination can flow across
Halawa Valley towards the BWS wells and shafts.

Manager Lau referred to slide five of Ms. Lin's presentation, stating that
the Navy shared this particular slide during a Commission on Water
Resources Management (CWRM) meeting on September 17, 2024. The
slide shows blue arrows that indicate a mauka to makai groundwater flow
that bends and moves westward toward Pearl Harbor, just south of BWS

sources, the Halawa Shaft, Aiea Wells, and Halawa Wells, which have been shut off. The BWS questions whether contamination can flow from the Red Hill Bulk Fuel Storage Facility to the northwest, where the BWS Halawa Shaft is located, and to the west, where Halawa Wells and Aiea Wells are located. Manager Lau reminded everyone that the BWS recently detected polycyclic aromatic hydrocarbons (PAH) in water from Aiea Well.



Manager Lau stated that a groundwater flow model is an important tool that replicates complex real-world conditions in a simplified fashion. He shared that the Navy provided a groundwater flow model in 2020, which the BWS reviewed and commented on. The Navy is expected to provide an updated groundwater flow model on Tuesday, which the BWS will review and provide comments.

Chair Anthony commented that he looks forward to more information. The groundwater flow model may provide critical information that can help determine whether pumping specific shafts and wells can be done safely.

Manager Lau referred back to slide number five of Ms. Lin's presentation, stating that the green dots are sentinel monitoring wells that are not present in the areas to the northwest and west between the Red Hill Bulk Fuel Storage Facility and the BWS Halawa Shaft, Halawa Wells, and Aiea Wells. The groundwater model that is being prepared is based on the absence of monitoring wells in these areas. As more wells are installed, the groundwater model will need to be updated to calibrate with existing regional water level elevation data that show 18 feet (ft.) above sea level in the Red Hill Bulk Fuel Storage Facility area to 16 ft. and eventually 15 ft. to the west Aiea Wells. Implementing these changes in the groundwater flow model will show that the flow is moving northwest and westward toward Pearl Harbor. Manager Lau expressed his disappointment with the Navy's presented slide, which did not account for the lack of monitoring wells to the northwest and west of the Red Hill Bulk Fuel Storage Facility.

Chair Anthony asked about the initial concern when the spill occurred at Red Hill and how it relates to pumping and Halawa Shaft.

Manager Lau referred back to slide five of Ms. Lin's presentation and stated the violet purple dots are BWS production wells and the pink dots are the Navy production wells. He shared that the United States Geological Survey (USGS) conducted a Synoptic Water Level Survey on two separate occasions. The Synoptic Water Level Survey performed a test that required the BWS and the Navy to coordinate water pumping operations and turn off pumping. In contrast, the other pumped their shaft hard, and vice versa, to measure the response or change in the water table elevation. The result for both Synoptic Water Level Surveys indicated that while Halawa Shaft is pumping and Red Hill is shut off, there is a response in water level elevation on the other side of Halawa Valley where Red Hill Shaft resides, and vice versa. Therefore, it could be possible that both shafts are hydraulically connected to one aquifer. If it were not hydraulically connected, there would be no response on either side.

Chair Anthony expressed his appreciation for everyone and the BWS staff who continue to monitor the situation and attend meetings, which sometimes are on the weekends. He commented that there is not enough information to make any determinations. Therefore, the BWS continues to move forward cautiously because our fresh drinking water is at stake.

Chair Anthony and Manager Lau extended their thanks to Board Member Edwin Sniffen, Director of Hawai'i Department of Transportation (HDOT), for working with the BWS and allowing for monitoring wells to be drilled on HDOT property.

Manager Lau stated that we cannot get this wrong. Some may say that contaminated water will not move across Halawa Valley, but the BWS needs solid evidence from real data and not just a simplified computer model. The BWS will suffer from dire consequences if it is done wrong.

Chair Anthony agreed with Manager Lau. "The Board of Water Supply is dedicated to providing safe, dependable, and affordable supply of water now and into the future."

Board Member Sniffen inquired about potential wells noted in white in the legend on slide five but did not see any pictured. He asked if the Navy is not proposing any wells.

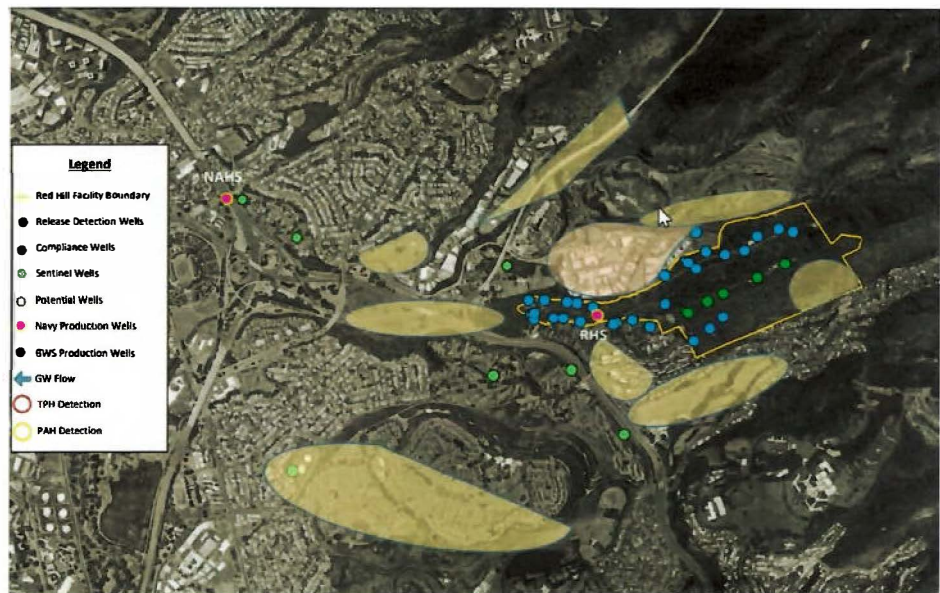
Chair Anthony shared that he has seen some Navy slides that show where they want to drill, some of which they have access to. The BWS and the Navy have discussed potentially working together to install monitoring wells covering the whole valley floor.

Manager Lau mentioned that the Navy may be looking into some HDOT rights of way to install wells.

Ms. Lin shared the full slide deck that the Navy shared at the CWRM meeting on September 17, 2024, which showed shaded areas that would be considered for potential wells in the central and south regions of the Red Hill Bulk Fuel Storage Facility.

Chair Anthony mentioned that during the Red Hill Wai Initiative, there was discussion about the number of wells that may be needed, where the wells would be placed due to land ownership, and who would be liable for the contamination.

Board Member Kapua Sproat asked about a slide Ms. Lin briefly displayed from the Navy's slide deck and asked if the shaded areas had PAH detections.



Ms. Lin responded that the shaded areas were not PAH detections. As presented in slide 5, she stated that the PAH detections are circled in orange.

Manager Lau pointed out on slide 5 of Ms. Lin's presentation, which also notes yellow circles that indicate TPH detections at the Red Hill Bulk Fuel Storage Facility.

Ms. Lin also shared that the link for the Navy's groundwater network webinar, scheduled for September 24, 2024, was available on their Navy Closure Task Force application.

There was in-person testimony:

Susan Pcola-Davis	<i>Shared her research on lead detections and exceedence. She also provided three attachments, a total of 12 pages attachment.</i>
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Chair Anthony asked Ms. Susan Pcola-Davis why she chose to testify and share about the lead.

Ms. Pcola-Davis shared that she testifies and shares information on lead due to being dismissed by the regulators and the Navy even after the Navy's Tech Memorandum Report indicated "flawed" data.

Chair Anthony referred to the last page of Ms. Pcola-Davis's Lead Exceedances, March 11, 2022 – January 24, 2024 attachment. He asked if more than 15 parts per billion (ug/L) of lead were found in BWS water, what would the BWS be required to do.

Manager Lau stated that the property owners would need to be notified.

Deputy Manager Erwin Kawata responded that the BWS would have to check each location to verify the cause of the particular lead level, and samples would need to be collected from BWS sources to determine whether the BWS wells are not serving water with high levels of lead. He stated that the BWS regular testing would show if there were any lead exceedances, which would mean that may be site-specific.

Chair Anthony commented that lead can be found in fixtures or coupling links.

Deputy Manager Kawata stated that the BWS performs lead testing in accordance with the lead and copper rule. He shared that the BWS had a couple of lead detection cases. However, none reached exceedances: one was from a homeowner who took a sample from a tap that had not been used for an extended period, and another did a recent installation and used too much solder.

Manager Lau added that the fundamental difference is that the BWS does not own the plumbing on the premises. However, the Navy owns the property and premise plumbing in this particular case.

Ms. Pcola-Davis shared what she heard during a meeting: The premise plumbing in the housing is not the Navy's kuleana. The housing manager is responsible for what happens from the meter into the home.

Manager Lau commented that older buildings on Navy property would be the Navy's responsibility. However, the new housings may be under operational contracts.

Board Member Lance Wilhelm commented that some of the housing on Navy property is privatized and managed by a third party, which may include renovated old buildings. He shared that the Navy has larger operational contracts with third parties who may be fully responsible for all improvements, including the water and structural systems.

Ms. Pcola-Davis shared that the Navy shared a plumbing report on the premises after the Fuel Tank Advisory Committee (FTAC) meeting. Chair Anthony thanked Ms. Pcola-Davis for staying on top of things and coming to testify.

There was written testimony:

Meredith Wilson	<i>Commented on August's presentation from two separate expert reviews, Honolulu City Council Resolution 24-116, and asked if the Navy, EPA, or DOH had a response to the BWS's expert reviews.</i>
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SEPTEMBER 2024 RED HILL UPDATES

September 23, 2024
boardofwatersupply.com

RECENT EVENTS



HONOLULU CITY COUNCIL
KE KANIMELA O KE KALAANA O HONOLULU
CITY AND COUNTY OF HONOLULU

No. 24-216, FD1

RESOLUTION

URGING THE UNITED STATES DEPARTMENT OF THE NAVY AND THE UNITED STATES DEPARTMENT OF DEFENSE, INCLUDING THE DEFENSE LOGISTICS AGENCY, TO IMMEDIATELY IMPLEMENT WEEKLY TESTING OF ALL NAVY RED HILL MONITORING WELLS AND DRINKING WATER WELLS FOR ALL CHEMICAL CONTAMINANTS STEMMING FROM PAST FUEL AND HAZARDOUS MATERIALS THAT WERE USED, STORED OR RELEASED AT THE RED HILL BULK FUEL STORAGE FACILITY

WHEREAS, the Red Hill Bulk Fuel Storage Facility ("Red Hill Facility"), which is operated by the U.S. Department of the Navy ("Navy"), consists of 20 field-constructed single-walled underground storage tanks, each of which have a 12.5 million gallon capacity, with a combined total storage capacity of up to 250 million gallons of fuel, and

WHEREAS, these storage tanks are located just 100 feet above O'ahu's sole-source aquifer, on which the people of O'ahu rely for drinking water, and

WHEREAS, throughout the Red Hill Facility's 80 years of operation, numerous fuel and hazardous chemical releases have been documented, including the release of:

- Approximately 27,000 gallons of jet fuel in January 2014;
- Undetermined amounts of a regulated substance in March 2020 and June 2020;
- Approximately 20,000 gallons of fuel on May 6, 2021;
- Approximately 14,000 gallons of a fuel-water mixture on November 24, 2021, which contaminated the Navy's Red Hill Shaft water source; and
- Approximately 1,300 gallons of aqueous film forming foam ("AFFF") concentrate containing per- and polyfluorinated substances ("PFAS") on November 29, 2022; and

WHEREAS, PFAS are known as "forever chemicals" because they break down very slowly on a molecular level and thus persist in the environment; and

WHEREAS, despite being a persistent chemical, PFAS have been used in our island environment, for example, in synthetic firefighting foams such as AFFF, and therefore present a hazard that threatens to contaminate our fragile water supply; and

WHEREAS, in December 2021, in response to the November 24, 2021 incident, the Board of Water Supply ("BWS") shut down operation of its Hāloa Shaft, Hāloa

OCS2024-0818/9/4/2024 2:41 PM 1

9/4

- Approval of Resolution 24-216 by Honolulu City Council.
- Subject Matter Expert Meeting

9/12

- State of Hawai'i Department of Health Proposed Amendments of Hawai'i Administrative Rules Chapter 11-280.1 – which regulates underground storage tanks.

PAH Detection Briefs:

- Elected Officials
- Aiea Community Association
- Moanalua Valley Garden Association
- Red Hill Community Representative Initiative

2



CHANGES TO CITY ORDINANCE 22-1

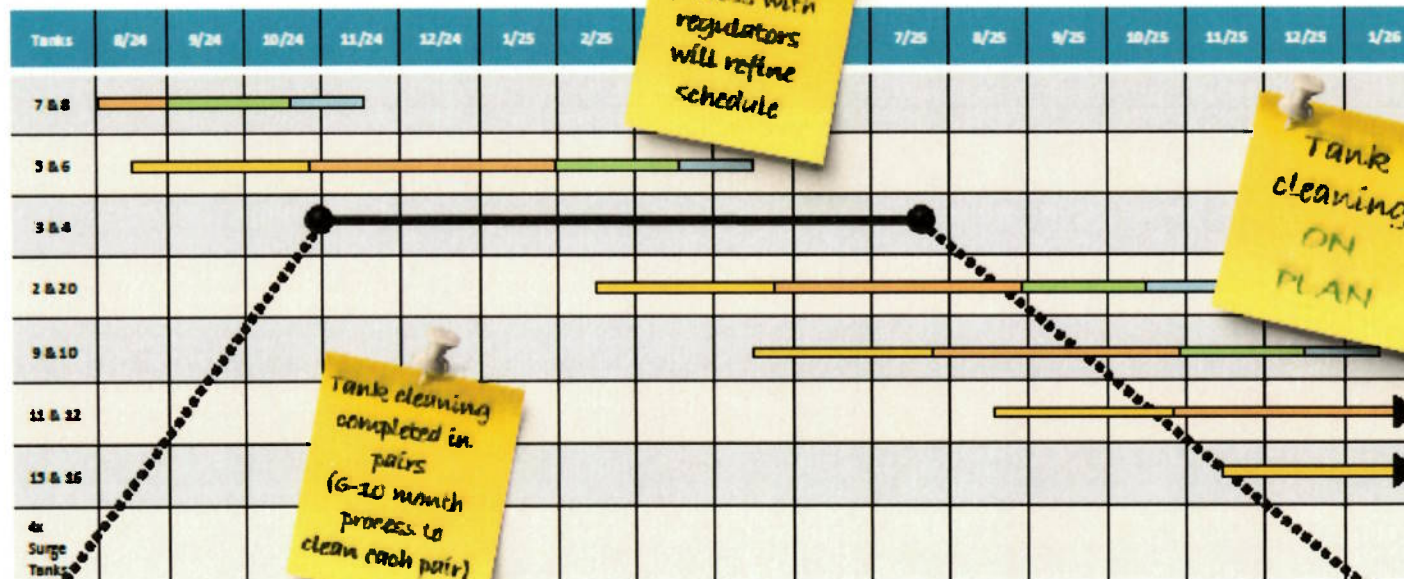
- On July 11, 2024, Mayor Blangiardi selected the Board of Water Supply (BWS) as the permitting agency for underground storage tanks or tank systems with a capacity to store more than 100,000 gallons of any regulated substances under Ordinance 22-1.
- On September 6, 2024, BWS received letter from Mayor Blangiardi notifying us that the **permitting agency for Ordinance 22-1 changed from BWS to the Department of Environmental Services.**





SAFE. DELIBERATE. ENGAGED. COMMITTED.

Tank Cleaning Timeline



Cooperative process with regulators will refine schedule

Tank cleaning ON PLAN

Tank cleaning completed in pairs (6-10 month process to clean each pair)



◆ Milestone ▲ Deliverables to Regulators

Source: Navy Closure Task Force

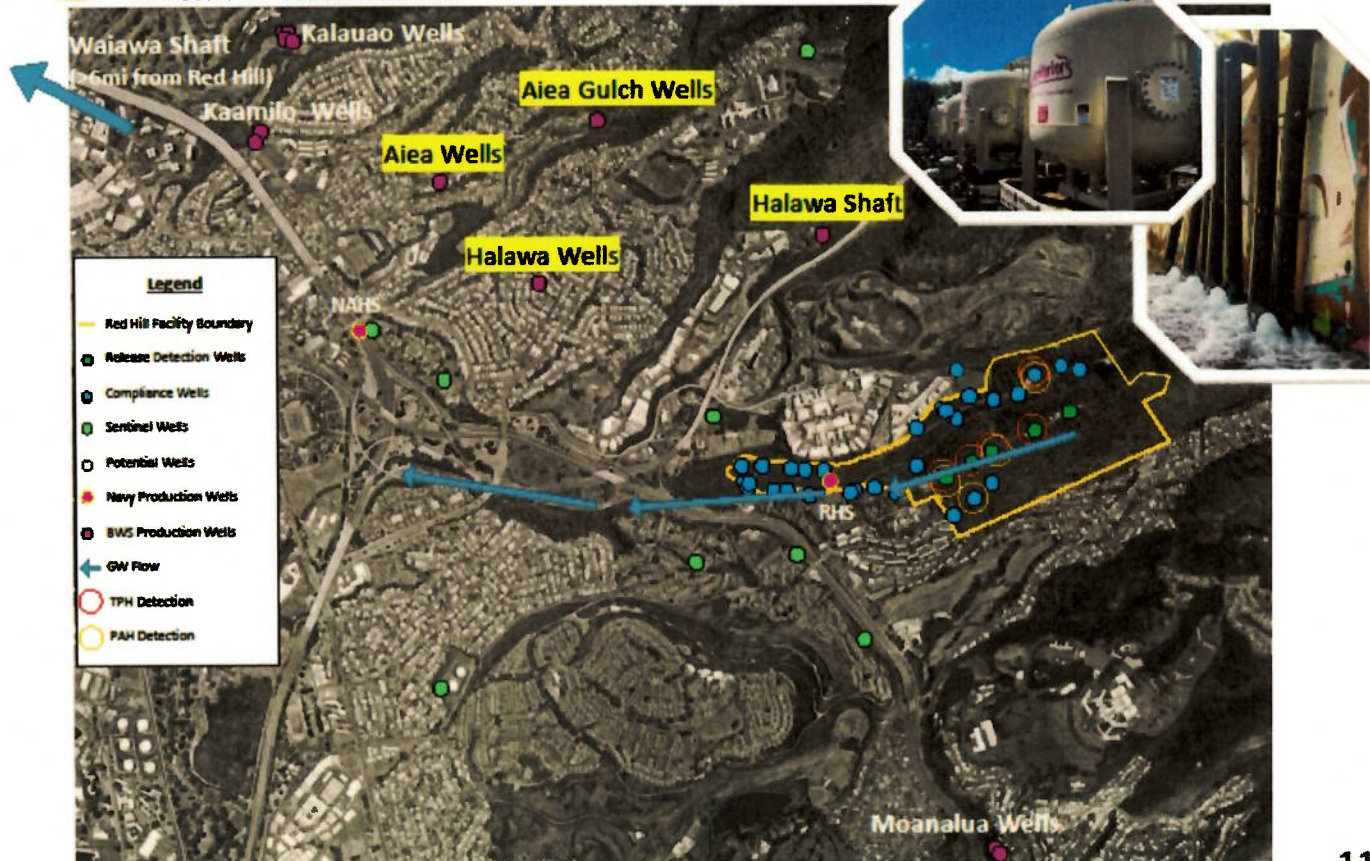




Navy Results

Groundwater Network Layers of Protection

SAFE. DELIBERATE. ENGAGED. COMMITTED.



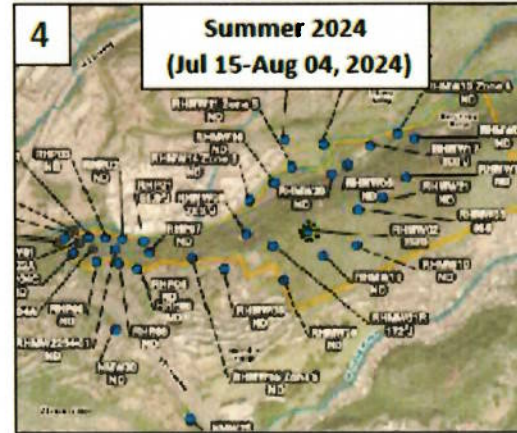
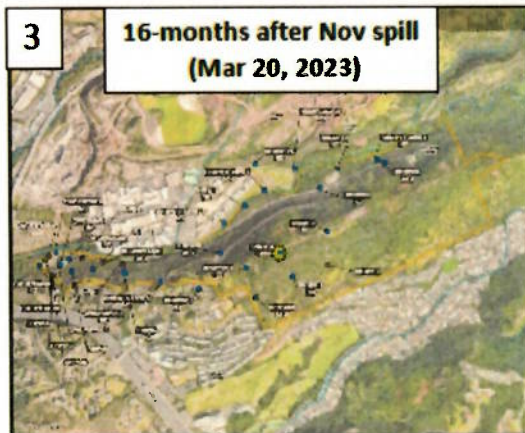
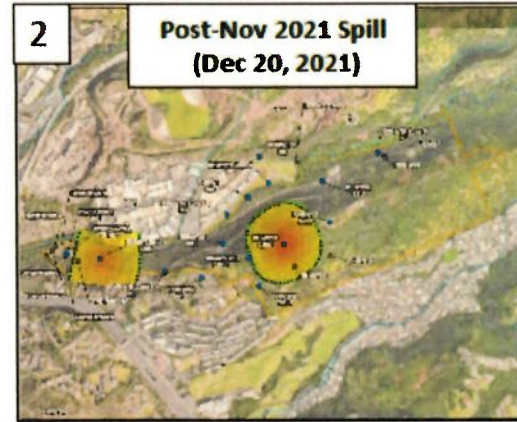
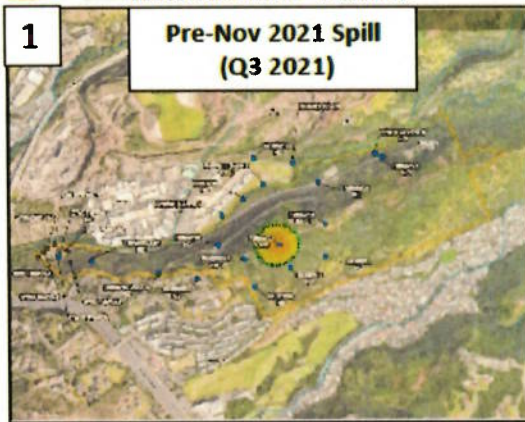
Source: Navy Closure Task Force Presentation to CWRM on September 17, 2024





SAFE. DELIBERATE. ENGAGED. COMMITTED.

Contaminant Mapping (TPH-d): 2021–2024



Source: Navy Closure Task Force Presentation to CWRM on September 17, 2024





Upcoming Public Engagements

SAFE. DELIBERATE. ENGAGED. COMMITTED.



- 24 SEPT: GROUNDWATER NETWORK WEBINAR
- 0900: FIAC
- 1000: RH REMEDIATION ROUNDTABLE
- 14 NOV: OPEN HOUSE
- 1600: GROUNDWATER FLOW MODEL WEBINAR

Source: Navy Closure Task Force Presentation to CWRM on September 17, 2024



UPCOMING EVENTS

Restoration Advisory Board Meeting

Wednesday, September 25, 6 -8p.m.

Oahu Veteran's Center –Sullivan Hall
1298 Kukila Street, Honolulu, HI 96818

Navy Closure Task Force's Strategic Engagements

UPCOMING COMMUNITY/STRATEGIC ENGAGEMENT MEETINGS:

- 12 SEP - Navy Information Sharing Forum (NISF) Meeting - **POSTPONED**
- 17 SEP - Commission on Water Resource Management (CWRM) Meeting
- 17 SEP - Hawaii Local Emergency Planning Commission (LEPC) Meeting
- 20 SEP - Hawaii State Emergency Response Commission (HSERC) Meeting
- 25 SEP - Restoration Advisory Board (RAB) Meeting
- 08 OCT - Aiea/Pearl Harbor Rotary Club Meeting
- 09 OCT - Fuel Tank Advisory Committee (FTAC) Meeting
- 10 OCT - Red Hill Remediation Roundtable Meeting
- 15 OCT - Commission on Water Resource Management (CWRM) Meeting

Red Hill Community Representative Initiative

Thursday, September 26, 2024, 5 -8p.m.

'Aina Haina Public Library
5246 Kalaniana'ole Hwy, Honolulu, HI 96821

Fuel Tank Advisory Committee (FTAC) Meeting

Wednesday, October 9

Time and location to be determined.





MAHALO!

September 2024 Red Hill Updates

Providing safe, dependable, and affordable drinking water, now and into the future.

Board of Water Supply

Meeting September 23, 2024

Susan A. Pcola-Davis

1. Lead EXCEEDANCES in Drinking Water >15 ug/L
 - a. Zones with Schools
 - i. D1: Pearl Harbor Kai Elementary
 - [March 31 and April 1, 2022-18.8 ug/L and 26.3 ug/L]
 - ii. E1: Montessori Center of Pearl Harbor
 - [March 22, 2022-30.2 ug/L]
 - iii. F1: Moanalua Pre-School and Kama'aina Kids
 - [March 29, 2022-33.4 ug/L]Pearl Harbor Elementary School
[February 9, 2023-17.2 ug/L]
 - b. Why is this important?
 - i. Due to LEAD sampling protocol not being followed, you can't be sure these results are correct
 - ii. The EPA also can't absolutely say that the Navy is following the Lead sampling protocol.
 - iii. Even these detections show a strong pattern.
 - iv. The Regulators are not monitoring sample collections by contractor AECOM.
 - c. Health effects of Lead over time ASTDR

8. REGULATIONS AND ADVISORIES

ATSDR - TOXICOLOGICAL PROFILE FOR LEAD (epa.gov)

In an effort to protect human health by reducing the lead levels in drinking water at consumers' taps to as close to the maximum contaminant level goal (MCLG) of zero, water system authorities are required to:

- (1) install or improve **corrosion control** to minimize lead levels at the tap while ensuring that treatment does not cause the water system to violate any national primary drinking water regulation;
- (2) install **treatment to reduce lead in source water entering the distribution system**;
- (3) **replace lead service lines when >10%** of targeted tap samples exceed 0.015 mg/L lead in drinking water if corrosion control and/or source water treatment does not bring lead levels below the lead action level; and
- (4) conduct **public education** programs if lead levels are above the action level (EPA 1991a).

The Lead Contamination Control Act of 1988 mandates that the Consumer Product Safety Commission (CPSC):

- Require that states establish programs to assist educational agencies in testing and remediating lead contamination of drinking water in schools

On average, it requires slightly more than 1 year for children enrolled in case management with BLLs ≥ 10 micrograms per deciliter ($\mu\text{g}/\text{dL}$) to decline to < 10 $\mu\text{g}/\text{dL}$ [Dignam et al. 2008].

Implications of Biological Fate

It is important that primary care physicians:

- Evaluate a patient with potential lead poisoning,
- Examine potential current and past lead exposures,
- Look for other factors that affect the biokinetics of lead (such as pregnancy or poor nutrition), and
- Rule out lead poisoning in cases of unexplained seizures or coma.

Key Points

- Children absorb a higher percentage of ingested lead than adults.
- Once in the bloodstream, lead is primarily distributed among three compartments – blood, mineralizing tissue, and soft tissues. The bones and teeth of adults contain more than 95% of total lead in the body.
 - In times of stress (particularly pregnancy and lactation), the body can mobilize lead stores, thereby increasing the level of lead in the blood.
 - The half-life of lead in adult human blood has been estimated as 28 days.
 - The body accumulates lead over a lifetime and normally releases it very slowly.
 - Both past and current elevated exposures to lead increase patient risks for adverse health effects from lead.

Neurological Effects:

Children. Decreased cognitive function; altered mood and behaviors that may contribute to learning deficits, altered neuromotor and neurosensory function, peripheral neuropathy, and encephalopathy.

Adults. Decreased cognitive function including attention, memory, and learning; altered neuromotor and neurosensory function; altered mood and behavior; and decreased peripheral nerve conduction velocity.

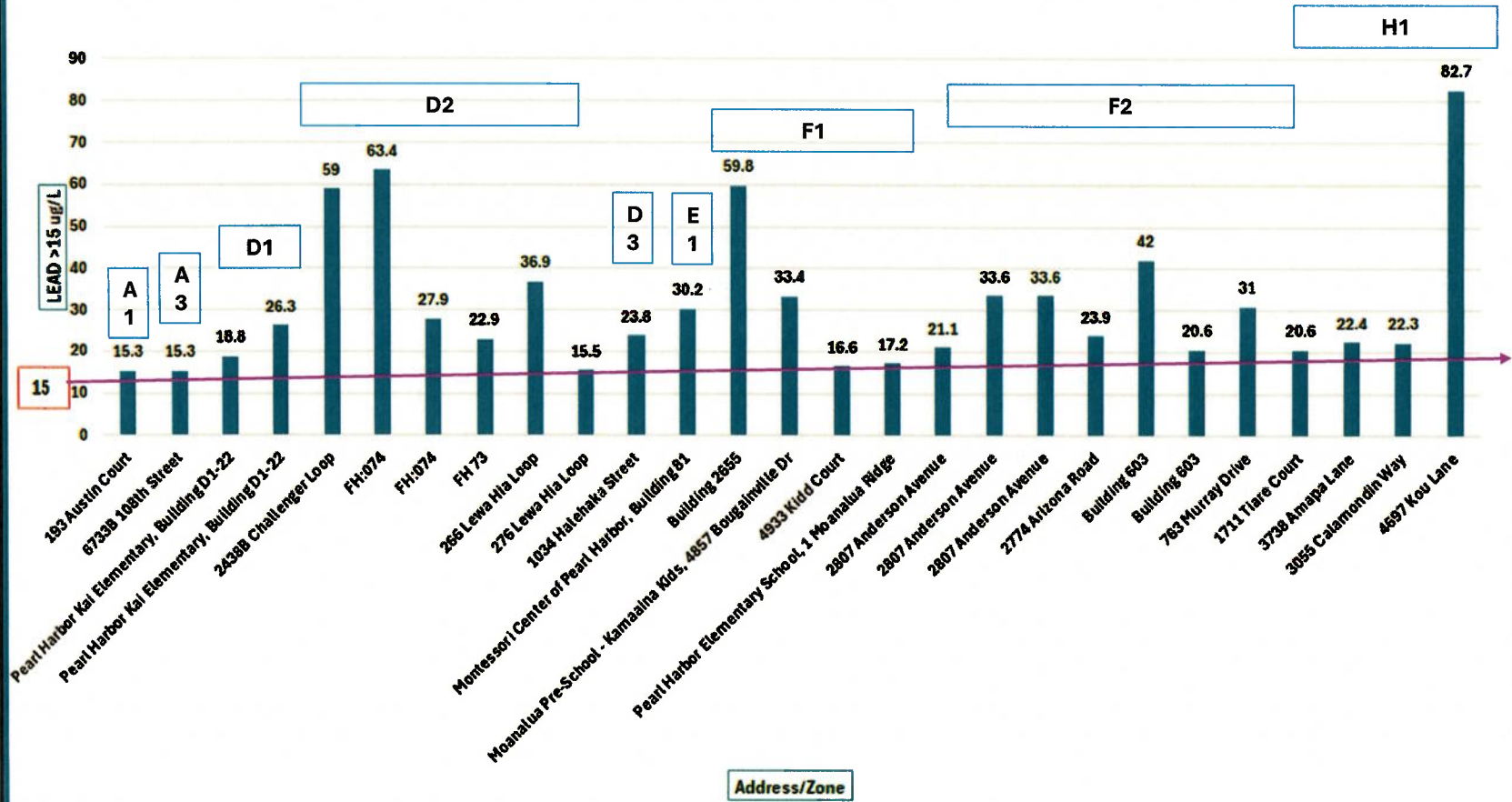
LEAD EXCEEDANCES
MARCH 11, 2022 – JANUARY 24, 2024

Susan A. Pcola-Davis
Long Term Monitoring
Extended Drinking Water Monitoring (last slide)

ZONES with Schools

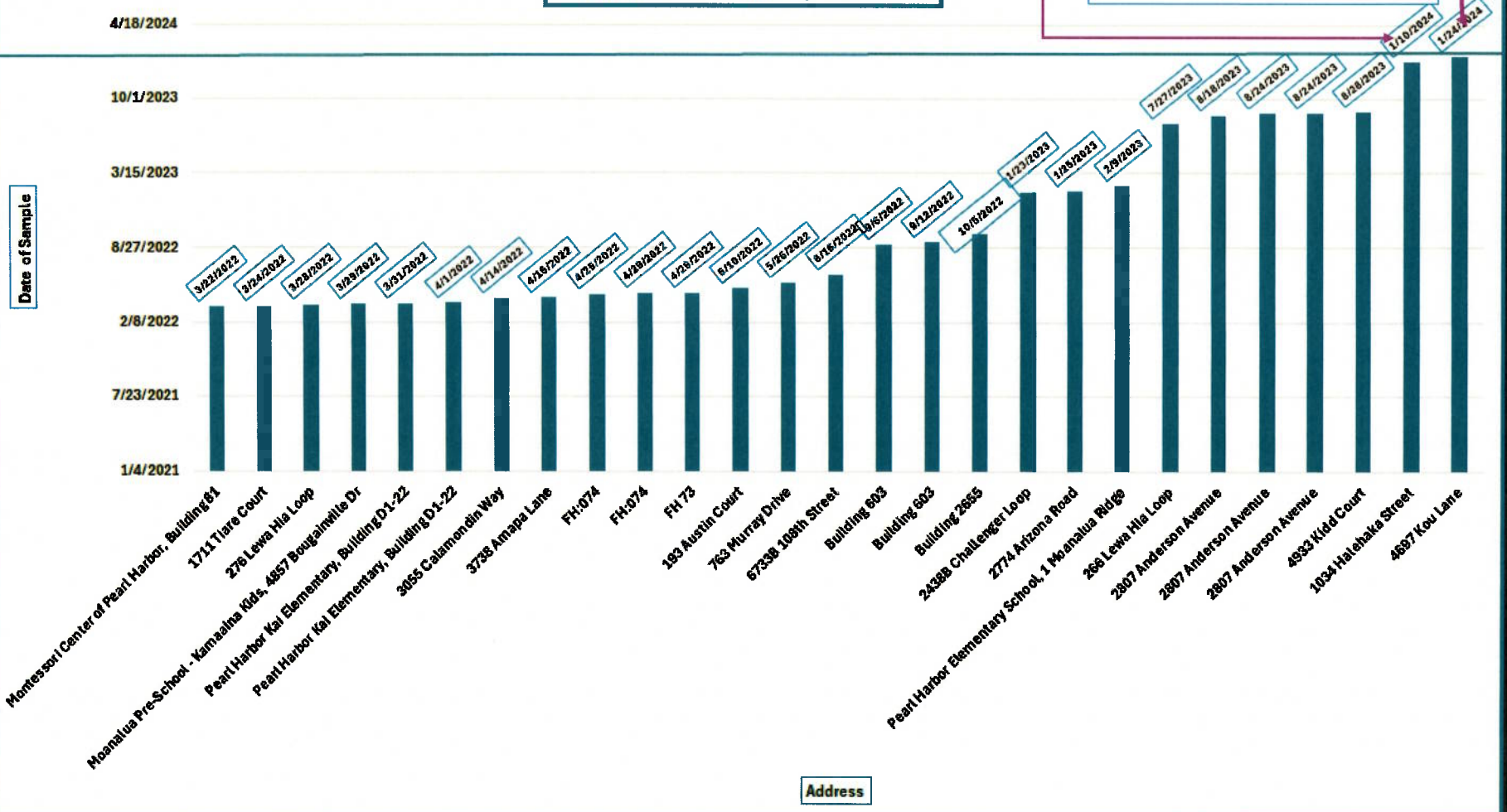
- D1: Hale Moku, Hokulani;
 - **Pearl Harbor Kai Elementary**
- E1: Makalapa;
 - **Montessori Center of Pearl Harbor**
- F1: NEX, Moanalua Terrace;
 - **Moanalua Pre School, Kamaiana Kids**

**Lead Exceedances >15ug/L
By Address/Zone
March 11, 2022 - January 24, 2024**

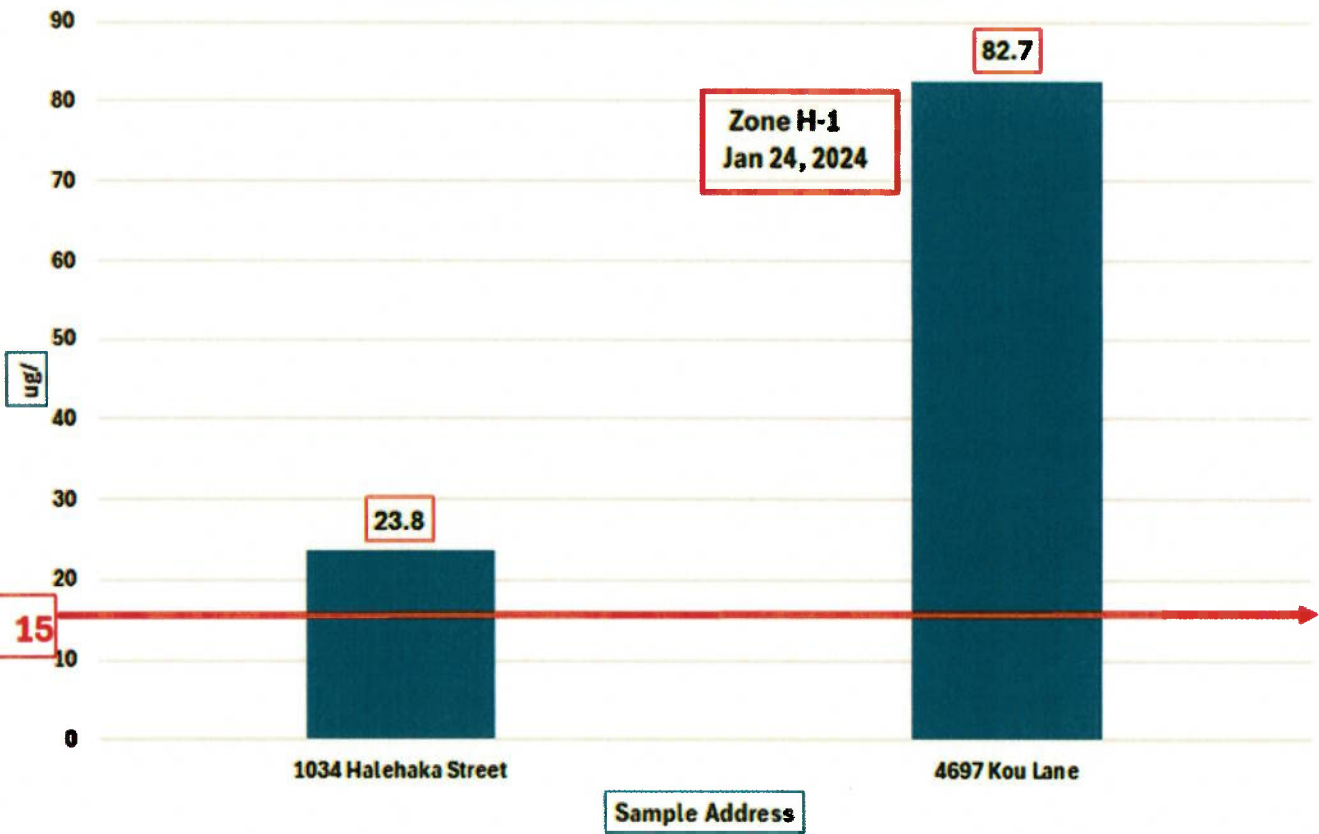


Lead Exceedences by Date and Address
 March 3, 2022 - January 24, 2024

Zone D3: Jan. 10, 2024 [23.8 ug/L]
 Zone H1: Jan. 24, 2024 [82.7 ug/L]



Extended Drinking Water Monitoring
Lead Exceedance > 15ug/L



Lead Exceedences by Date and Address

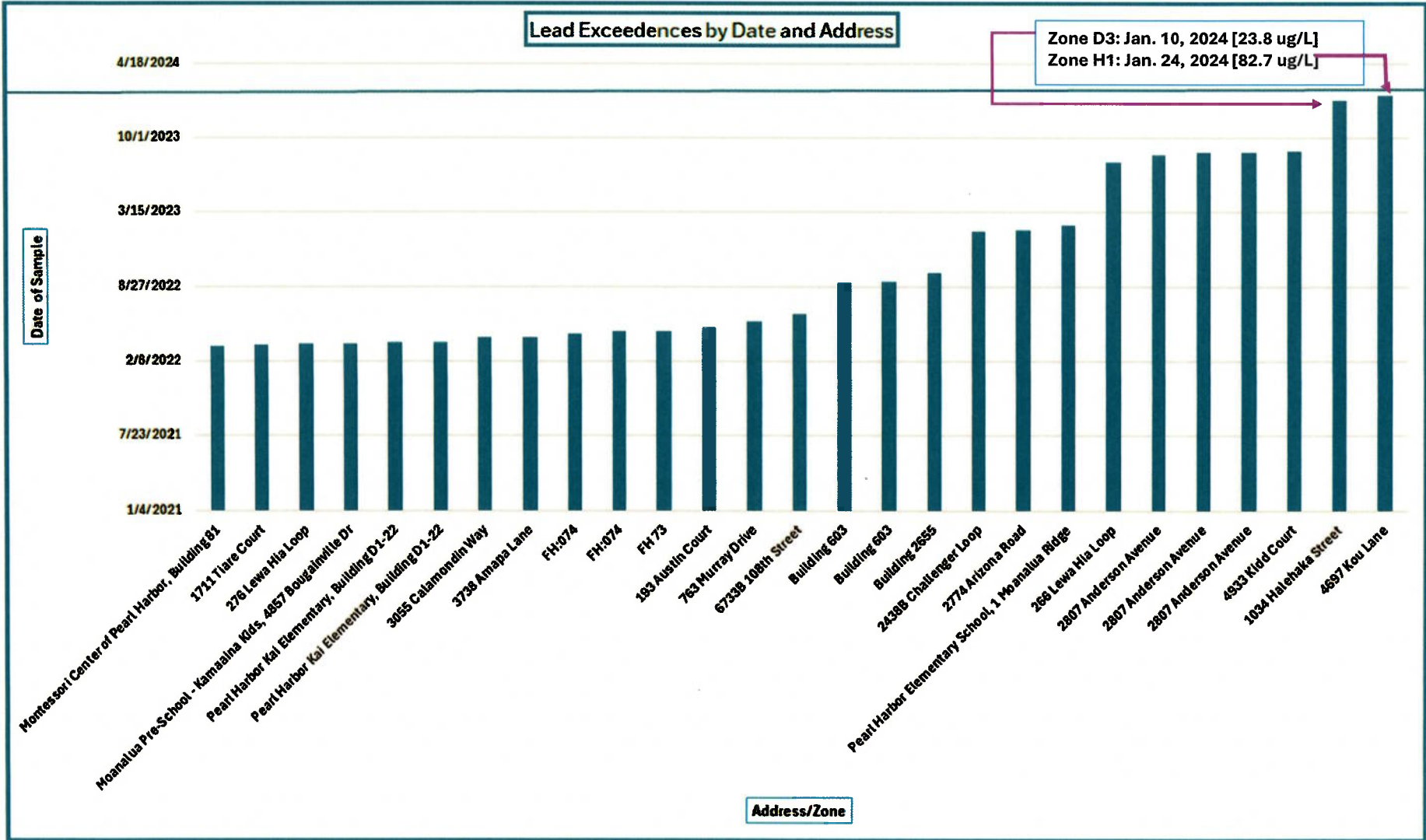
Zone D3: Jan. 10, 2024 [23.8 ug/L]
 Zone H1: Jan. 24, 2024 [82.7 ug/L]

Date of Sample

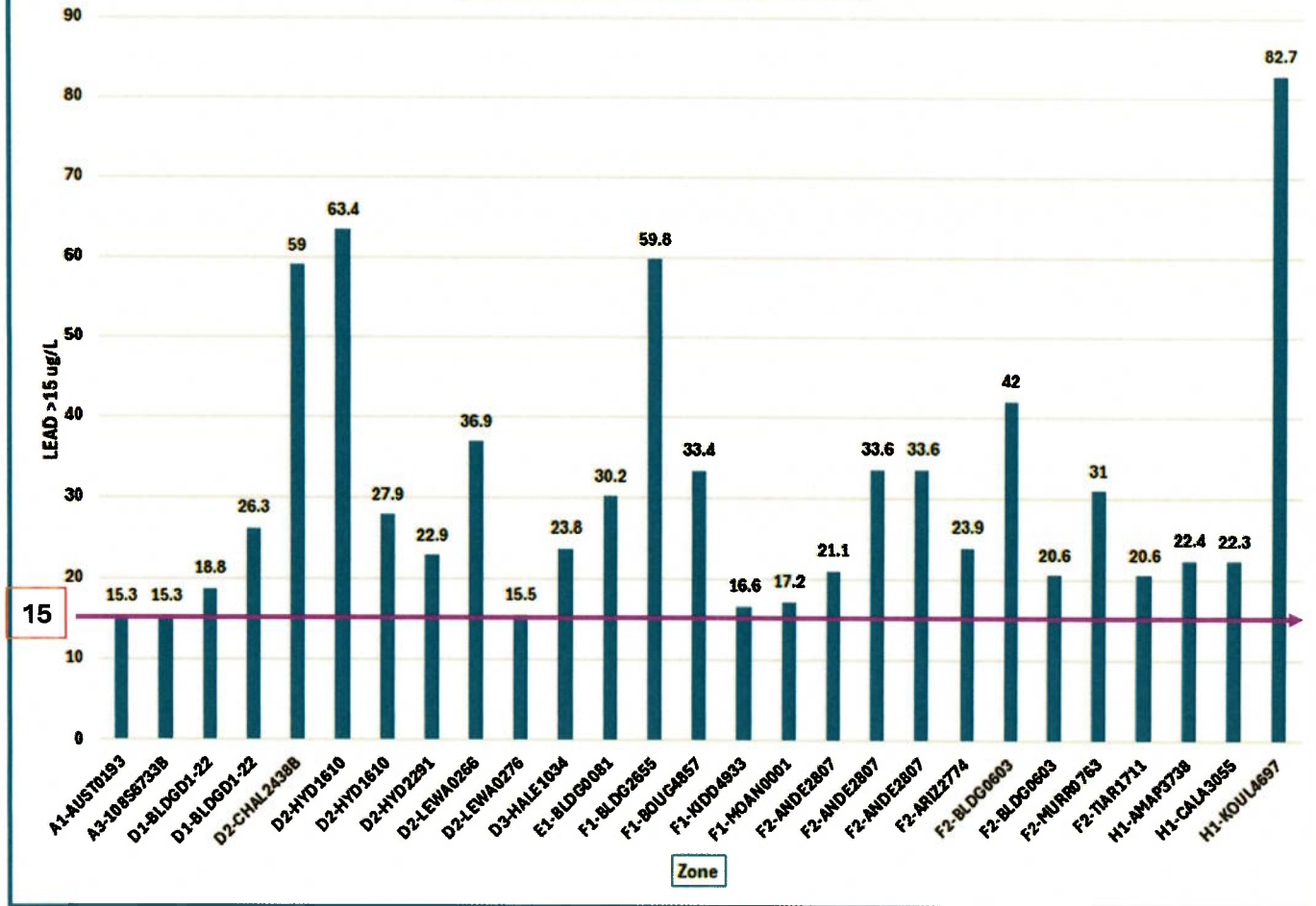
4/18/2024
 10/1/2023
 3/15/2023
 8/27/2022
 2/8/2022
 7/23/2021
 1/4/2021

Montessori Center of Pearl Harbor, Building 81
 1711 Tiare Court
 278 Lewa Hia Loop
 Moanalua Pre-School - Kamaalua Kids, 4857 Bougainville Dr
 Pearl Harbor Kai Elementary, Building D1-22
 Pearl Harbor Kai Elementary, Building D1-22
 3055 Calamondin Way
 3738 Amalpa Lane
 FH:074
 FH:074
 FH:73
 183 Austin Court
 763 Murray Drive
 6738B 108th Street
 Building 603
 Building 603
 Building 2655
 2438B Challenger Loop
 277A Arizona Road
 Pearl Harbor Elementary School 1, Moanalua Ridge
 268 Lewa Hia Loop
 2807 Anderson Avenue
 2807 Anderson Avenue
 2807 Anderson Avenue
 4833 Kidd Court
 1034 Halehaka Street
 4697 Kou Lane

Address/Zone



**Lead Exceedances >15ug/L
By Zone
March 11, 2022 - January 24, 2024**



Lead Detections May – June 2024

BWS September 23, 2024

Another look at Lead detections

**Schools, Child Development Centers, Churches,
i.e. places where children are**

**LEAD DETECTIONS
MAY 2024 - JUNE 2024
SCHOOLS, CHILD CARE, CDC, CHURCH, ETC
107 DETECTIONS**

15

13

12

11

10

9

8

7

6

5

4

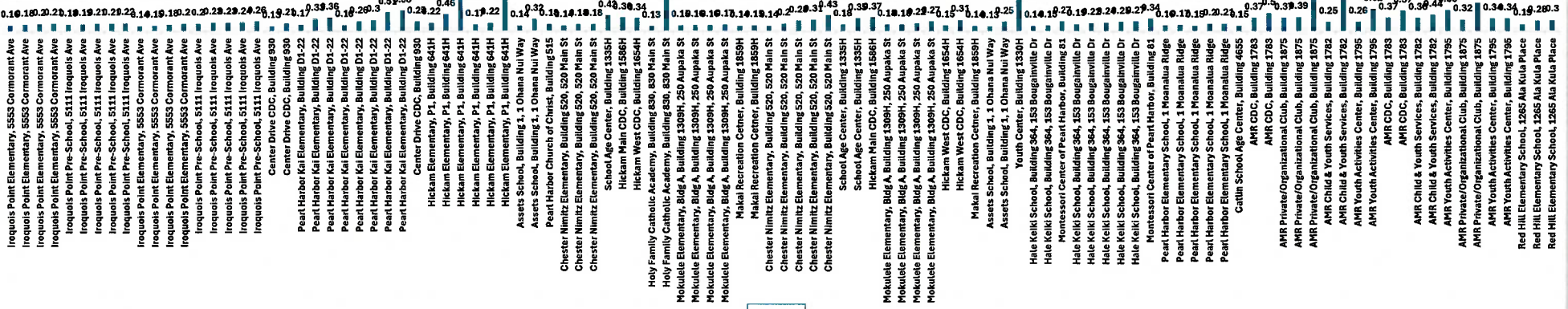
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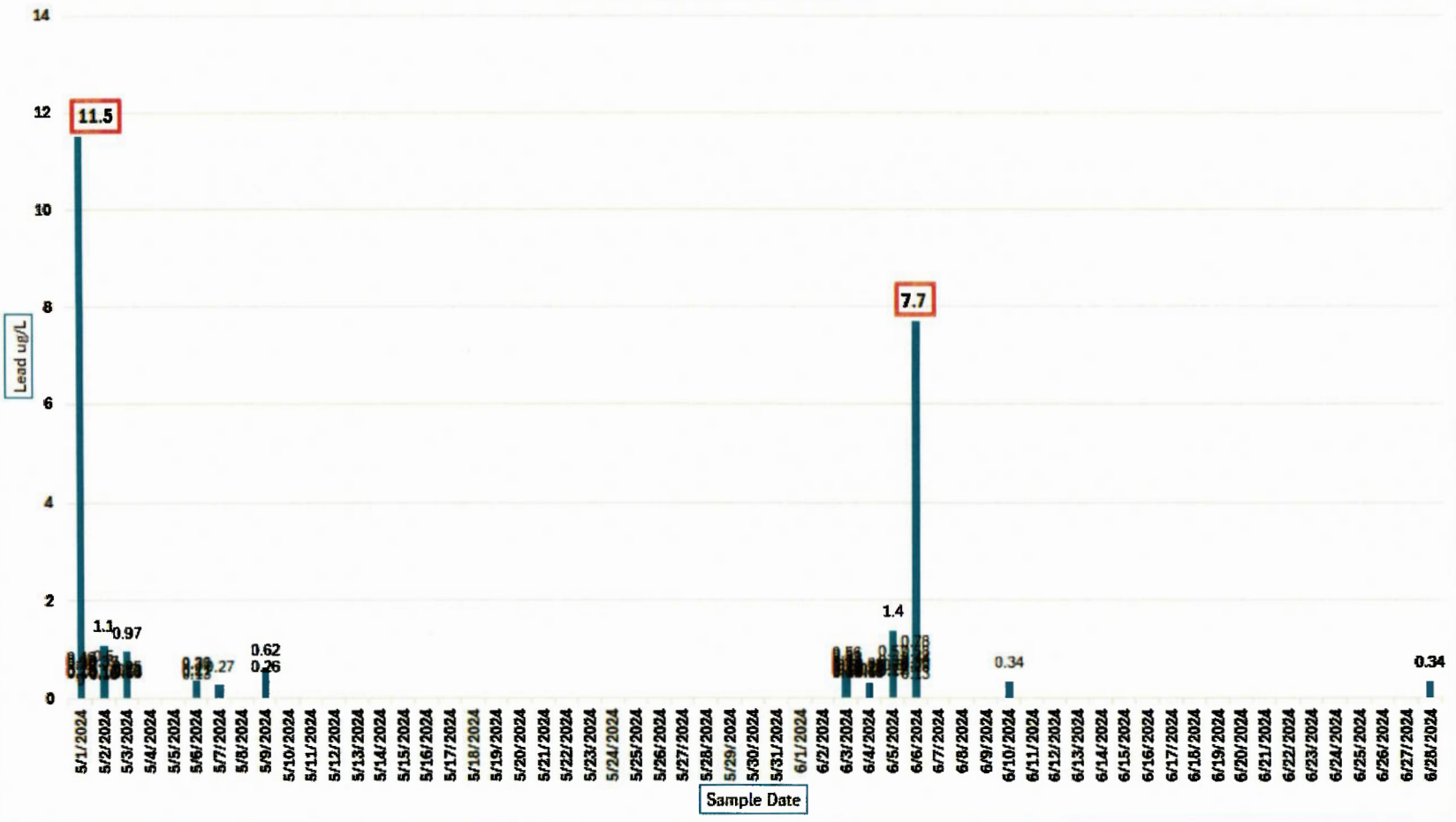
LEAD DETECTION ug/L



LOCATION

Lead Detections
May-June 2024
Schools, CDCs, Churches etc

15 ug/L



Meredith Wilson

Written Testimony for Honolulu BWS Board Meeting - 9/23/24

Item for Information 1: Red Hill Response

Aloha faithful Board members,

At last month's meeting, BWS continued to prove the glaring need for validation and third party testing of the Navy's response to the Red Hill Water Crisis. While the public and especially those who were directly affected by this catastrophe have yet to be made whole by the DoD entities involved, I am more dumbfounded at how the Environmental Protection Agency and the Hawaii Department of Health both failed to execute their mandated oversight duties.

The (2) separate expert reviews of the Navy's Technical Memo regarding TPH detections in their public water system were incredibly vital, but sadly years late. The signers of the Long Term Monitoring Plan (EPA & DOH) allowed the Navy to skip an entire step in their testing of chlorinated water samples (non-compliance by not adding sodium thiosulfate, which removes chlorine). They cannot claim ignorance as it's spelled out in the fully signed plan.

Who was ensuring the sampling teams were following protocol? Apparently no one in these agencies took the time or concern required to ask questions or follow up. How incredibly insulting to those who drank jet fuel-contaminated water and still count on this water for their lives.

I am so very proud of BWS' endorsement of Honolulu City Council's passing of Resolution 24-216, urging the Navy to test weekly for PAHs, TPH, & PFAS. It's high time that any and all those with power and persuasion to pressure the polluters.

These takeaways from AQA & Dr. Winkler's thorough reviews of the Navy's poor attempt at monitoring the drinking water should be humbling to them:

AQA-

- "No empirical data were provided that indicated lingering contamination is not an ongoing issue."
- "The evidence provided does not support the conclusion..." (regarding multiple LOEs)
- "Peaks should never be clipped."
- "AQA found the existing data to be very suspect and, thus, would qualify it as unusable for the purpose of proving the absence of jet fuel in the drinking water system."
- "[The amount of surrogate] added made pattern-matching of chromatograms for low level detections impossible."

Dr. Winkler-

- "[Data] doesn't support statement that TPH peaks are non-fuel related."
- "Any analytical analysis would be meaningless even when analysis performed correctly if not collected, preserved, handled properly."
- "[This] data is not legally defensible."
- "The reliability of this data could be questioned."

I mahalo the BWS for taking the care & likely financial expense to have these reviews made public. This is the deep level of scrutiny that the matter at hand deserves, our water, our wai.

Has BWS received any response on these subject matter expert reviews from Navy, EPA, or DOH?

Also, it's my understanding that the Navy's current Extended Drinking Water Monitoring (EDWM) program has yet to be approved by EPA/DOH & it's been in place since April of this year. As recent as last month, in a letter dated Aug. 13th, EPA stated "The Navy's proposal to bifurcate the enforceable versus the voluntary aspects of the EDWM is unacceptable...On July 23, 2024, the Navy proposed limited aspects of the EDWM as additional work, e.g. drinking water monitoring limited to volatile organic compounds while excluding the other contaminants." All Chemical of Potential Concern (COPCs) must be tested that have historically been stored at Red Hill.

Finally, I echo the call made by Manager Ernie Lau that the Red Hill Remediation Roundtable meetings be made accessible to the public. Outside of the Navy's refusal to attend required CRI meetings and their on-island heavily orchestrated open houses, those of us who have moved away are limited in our opportunities to have crucial dialogue in this ongoing public matter.

Mahalo again for bringing much-needed clarity and I encourage you all to proceed with persistence.

Ola I Ka Wai,
-Meredith Wilson

Referenced EPA Letter: <https://www.epa.gov/system/files/documents/2024-08/epa-letter-request-for-edwm-as-additional-work-2024-08-08.pdf>

ITEM FOR INFORMATION NO. 2

“September 23, 2024

FINANCIAL
UPDATE FOR
THE QUARTER
ENDED
JUNE 30, 2024

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Financial Update for the Quarter Ended June 30, 2024

The following Board of Water Supply's financial reports and graphs are attached:

- Budget vs Actual Revenue and Expense Totals
- Statement of Revenues, Expenses and Change in Net Assets
- Balance Sheet
- Budget vs Actual Appropriation Budget – Total BWS Summary
- Graph Representing Operating Expenditures by Category
- Graphs of Total Budgeted Operating Expenditures and Total Budgeted Operating Revenues

Respectfully Submitted,

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

Attachment”

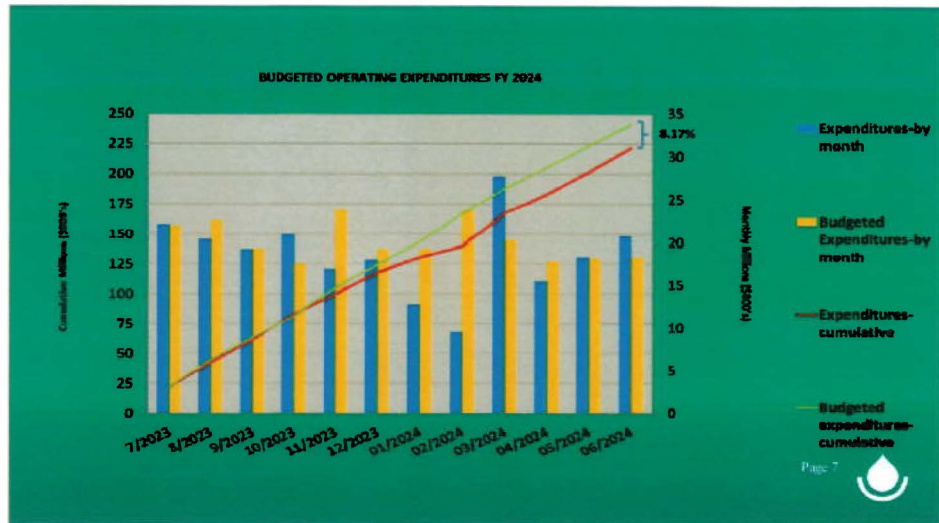
The foregoing was for information only.

DISCUSSION:

Kaliko Lum Kee, Acting Waterworks Controller, Finance Division, gave the report.

Board Member Kaneshiro referred to slide seven and inquired about the difference between the actual and budgeted for January and February, which are much greater than the rest of the months.

Mr. Kaliko Lum Kee replied that various divisions were under budget this fiscal year. He stated he would go back and look deeper into January and February.



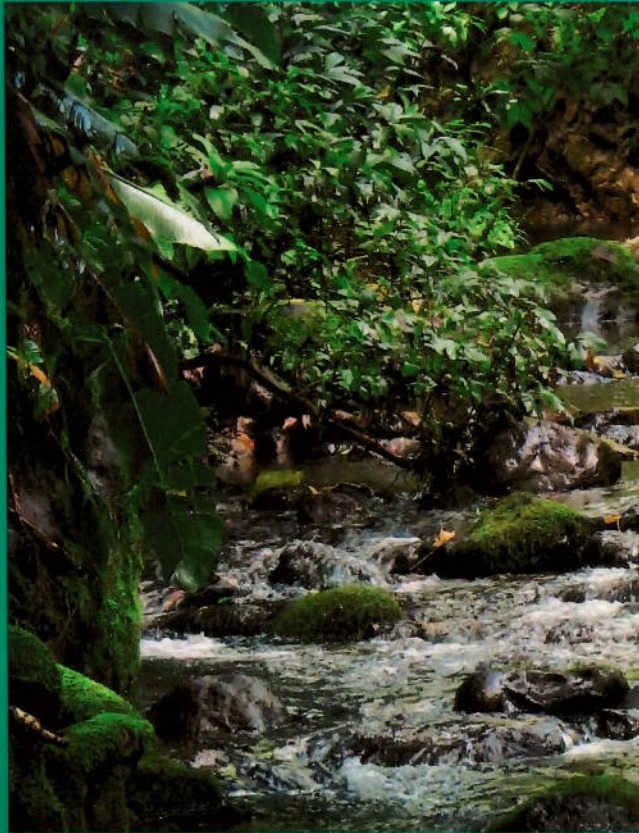
Board Member Kaneshiro mentioned the new rate increases, which would help boost the BWS's working capital back to a comfortable level. With the BWS coming in under budget, he asked how it affected the BWS's working capital.

Mr. Lum Kee responded that the BWS is currently working through its annual financial audit with the auditors and should be able to finalize the audited figures by mid-November and go through the working capital calculations.

Manager Lau asked that Mr. Lum Kee double-check for any timing issues regarding the actual and budgeted differences for January and February.

Chair Anthony inquired if vacant positions have anything to do with coming under budget, whether the CIP projects are being completed, or if the BWS is staying vigilant and sensitive to cost measures.

Manager Lau replied that the personnel cost is the most significant gap in the operating expenditures by category. The BWS continues to work to fill approximately 200 vacant positions.



FINANCIAL PERFORMANCE JULY 2023–JUNE 2024

Kaliko Lum Kee
September 23, 2024
boardofwatersupply.com



BUDGET TO ACTUAL JULY 2023 – JUNE 2024

- Actual Revenue \$275.4 million vs.
- Budgeted Revenue \$263.0 million

- Operating costs are \$221.9 million vs.
- Budgeted costs of \$241.7 million

- Actual Net Revenue \$53.5 million vs.
- Budgeted Net Revenue \$21.3 million



COST DRIVERS

Year to Date June 2024

	Actual (millions)	Budget (millions)
• Personnel	\$43.9	\$53.9
• Material, Supplies & Services	\$76.9	\$82.5
• Equipment	\$ 3.0	\$ 2.5
• Debt Service	\$36.7	\$38.2
• Utilities	\$29.8	\$32.7



OPERATING BUDGET VS ACTUAL

FY2024 (4TH QUARTER) - YEAR TO DATE: JULY 23 – JUNE 24
BUDGETED EXPENDITURES ARE \$241.7M VS. ACTUAL EXPENDITURES OF \$221.9M
OF THE \$19.8M VARIANCE...

Field Operations - \$6.2M Under Budget

- Salaries and Wages (\$3.4M Under)
- Other Contractual (\$1.3M Under)
- Meters (\$665K Under)
- Emergency & Contracted Road Repairs (\$608K Under)

Fixed Charges - \$4.3M Under Budget

- Electric Power – Water Distribution (\$2.9M Under)
- Notes Payable SRF - (\$2.0M Under)

Capital Projects - \$2.3M Under Budget

- Salaries and Wages (\$1.3M Under)
- Professional Services (\$550K Under)
- Miscellaneous Payroll (\$200K Under)

Information Technology - \$2.2M Under Budget

- Software and Licenses (\$780K Under)
- Other Contractual Services (\$735K Under)
- Salaries and Wages (\$389K Under)

Water Resources - \$1.9M Under Budget

- Non-Potable Water Treatment Plant Costs (\$2.0M Under)

Executive Support Office - \$1.8M Under Budget

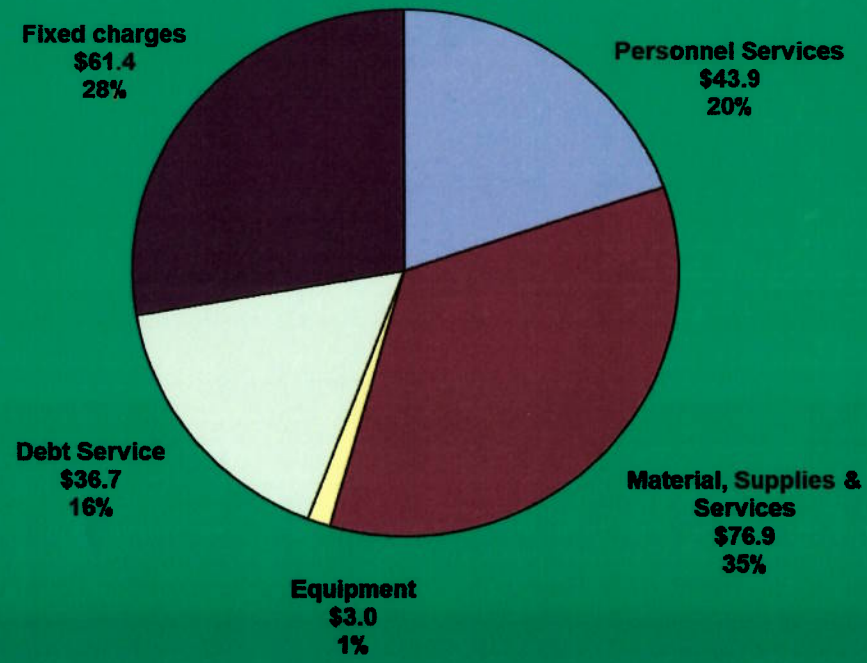
- Claims Personal Injury Property Damage (\$790K Under)
- Professional Services (\$563K Under)
- Other Contractual Services (\$444K Under)

Finance - \$1.2M Under Budget

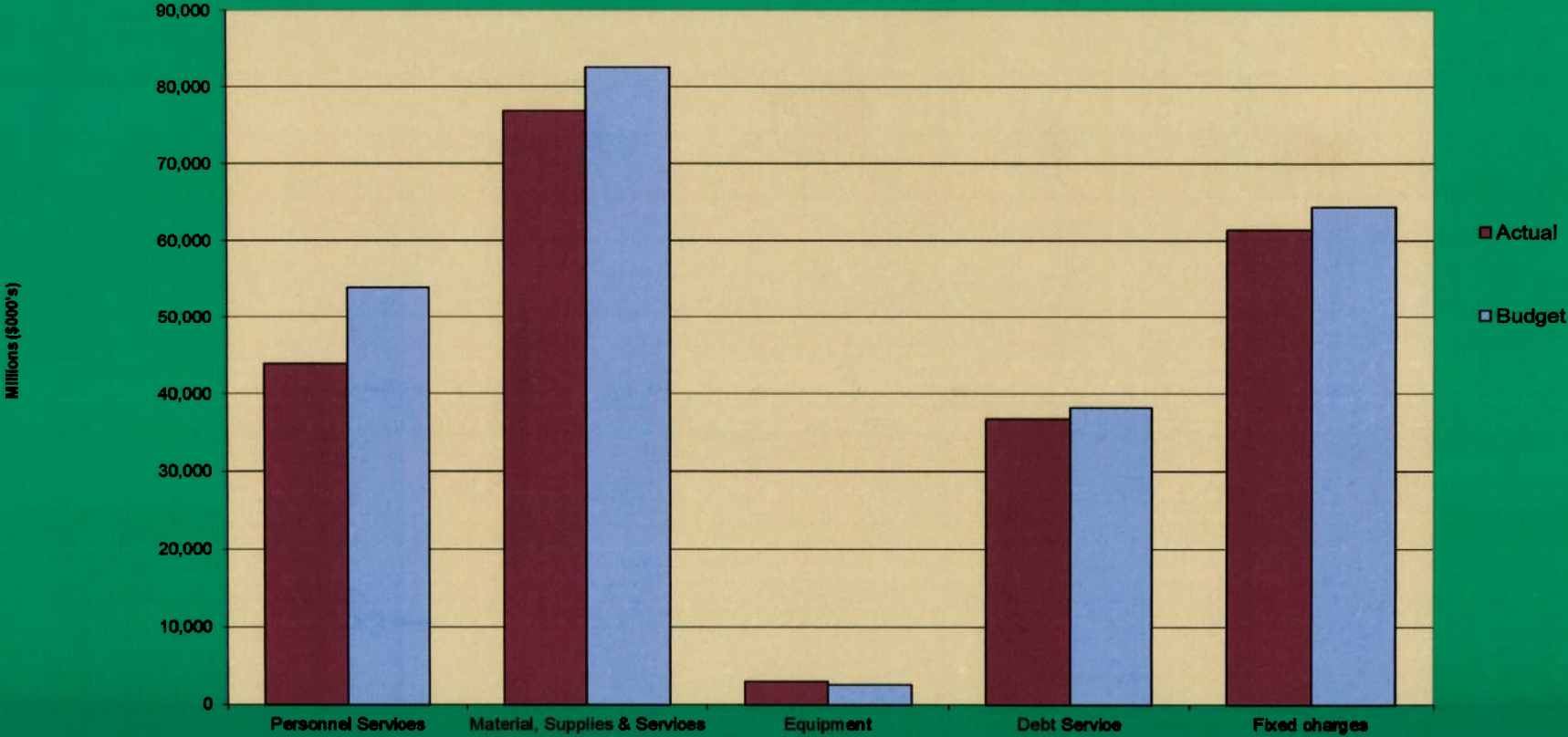
- Miscellaneous Financial Expenses (\$756K Under)
- Salaries and Wages (\$295K Under)
- Professional Services (\$54K Under)



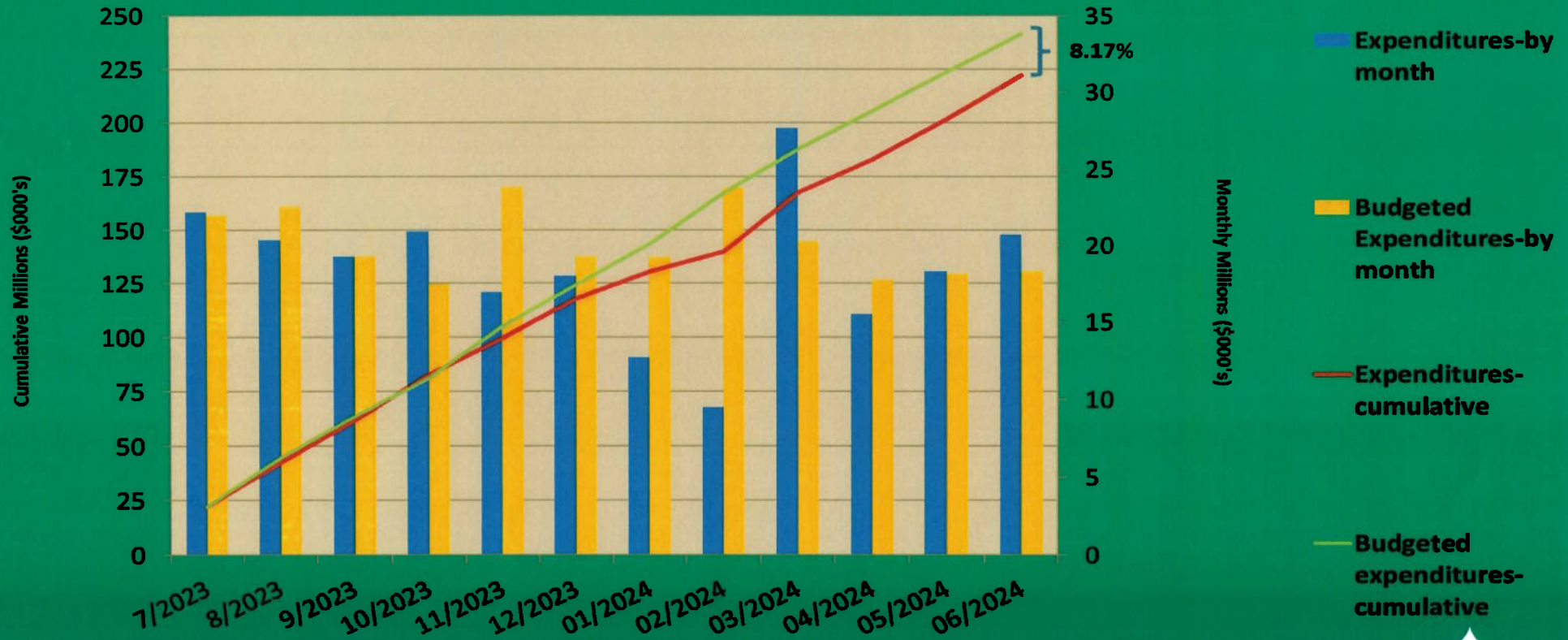
Total Operating Expenditures - \$221.9
As of June 30, 2024
(millions of dollars)



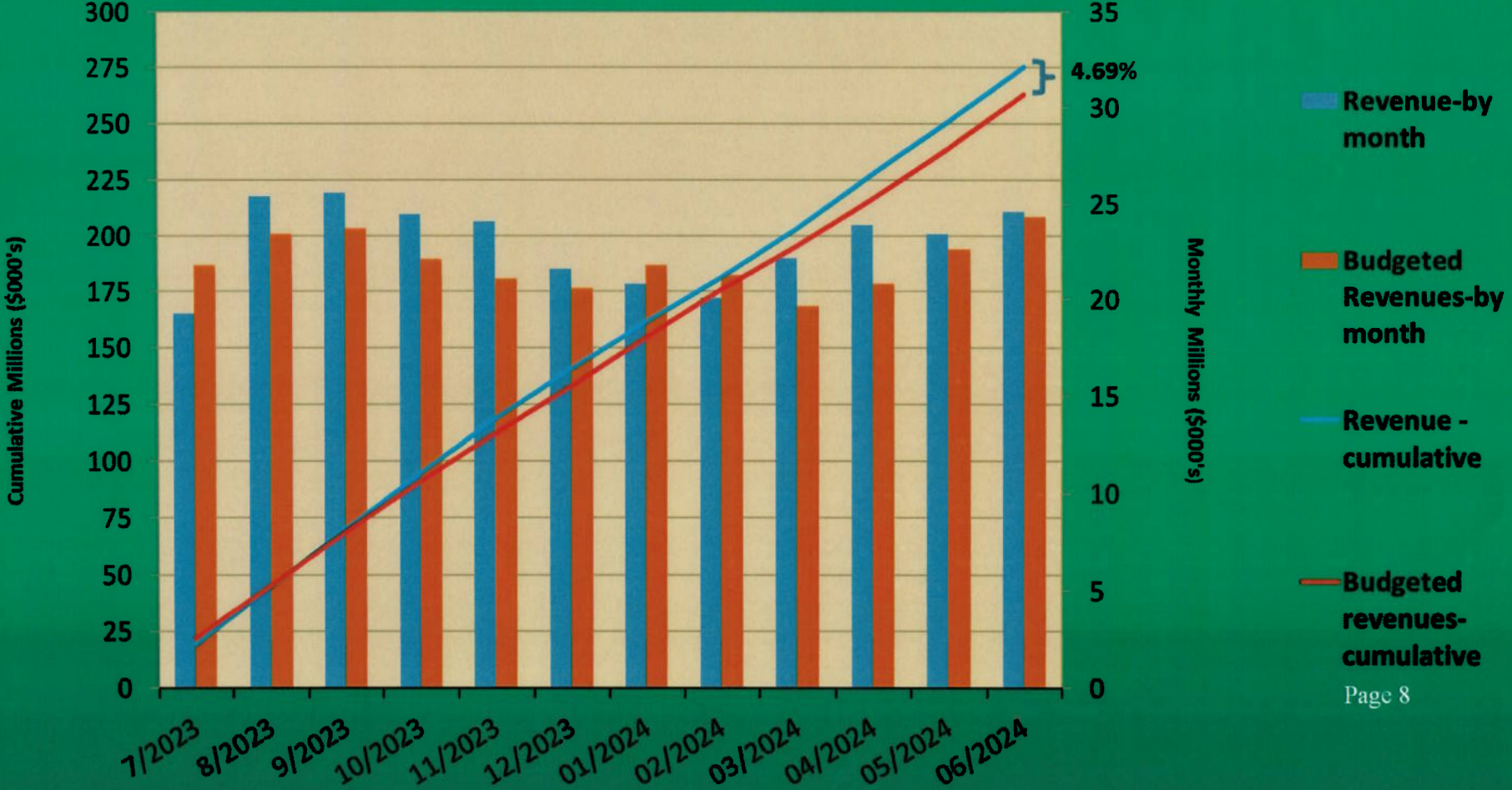
**Operating Expenditures by Category (Budget vs. Actual)
As of June 30, 2024**



BUDGETED OPERATING EXPENDITURES FY 2024



BUDGETED OPERATING REVENUES FY 2024





Mahalo!

BOARD OF WATER SUPPLY

WWW.BOARDOFWATERSUPPLY.COM

Page 9



Budget vs. Actual
Revenue and Expense Totals
As of June 30, 2024

	YTD Actuals	YTD Budget	Favorable/ (Unfavorable) Variance
Revenues	275,403	263,060	12,343
Operating Expenses	(221,948)	(241,687)	19,739
Net Revenues (expenditures)	<u>53,455</u>	<u>21,373</u>	<u>32,082</u>

Board Of Water Supply
 Statement of Revenues, Expenses And Change In Net Assets
 As of June 30, 2024

Current Month Actual	% Revenue	Last Year Actual	% Revenue	Description	Year to Date Actual	% Revenue	Last Year to Date Actual	% Revenue	% Change
				REVENUE					
24,360,026.15	100.00	17,877,336.23	100.00	OPERATING REVENUE	261,935,703.05	100.00	244,712,316.93	100.00	7.04
24,360,026.15	100.00	17,877,336.23	100.00	REVENUE	261,935,703.05	100.00	244,712,316.93	100.00	7.04
				OPERATING EXPENSES					
3,500,794.58-	14.37	3,142,507.29-	17.58	LABOR COSTS	40,716,205.77-	15.54	39,105,698.08-	15.98	4.12
2,787,597.31-	11.44	5,961,572.12-	33.35	SERVICES	37,997,922.06-	14.51	42,090,419.65-	17.20	9.72-
507,532.82-	2.08	724,507.02-	4.05	SUPPLIES	7,851,305.69-	3.00	6,948,269.66-	2.84	13.00
24,137.24-	.10	58,789.34-	.33	EDUCATION & TRAINING	135,427.94-	.05	183,928.84-	.08	26.37-
1,510,746.63-	6.20	4,278,879.20-	23.93	UTILITIES	27,073,901.27-	10.34	32,451,610.46-	13.26	16.57-
693,973.38-	2.85	540,759.43-	3.02	REPAIR AND MAINTENANCE	5,171,908.83-	1.97	2,604,927.83-	1.06	98.54
115,892.85	.48	792,824.59-	4.43	MISC	18,558,902.40-	7.09	19,848,581.37-	8.11	6.50-
2,164,981.80-	8.89	7,398,478.77	41.38	RETIREMENT SYSTEM CONTRIBUTIO	25,735,378.77-	9.83	15,250,859.70-	6.23	68.75
1,367.05	.01	692,329.51	3.87	MISC EMPLOYEES' BENEFITS	421,096.25-	.16	460,336.56	.19	191.48-
11,072,503.86-	45.45	7,409,030.71-	41.44	OPERATING EXPENSES	163,662,048.98-	62.48	158,023,959.03-	64.58	3.57
14,224,218.69	58.39	3,355,685.66-	18.77	NON OPERATING REVENUE AND EXPE	28,988,728.55	11.07	6,294,755.69-	2.57	560.52-
7,470,243.89	30.67	9,744,446.67	54.51	CONTRIBUTION IN AID	19,656,534.96	7.50	22,651,941.94	9.26	13.22-
76,309.31-	.31	98,348.96-	.55	LEASE	879,421.76-	.34	357,261.51-	.15	146.16
5,131,073.35-	21.06	9,382,051.21-	52.48	OTHER EXPENSES	54,647,920.86-	20.86	56,704,769.84-	23.17	3.63-
29,774,602.21	122.23	7,376,666.36	41.26	Change In Net Assets	91,391,574.96	34.89	45,983,512.80	18.79	98.75

Board Of Water Supply
Balance Sheet
As of June 30, 2024

Description	***** Amounts *****			***** Change *****	
	Current	Last Month End	Last Year End	This Month	This Year
ASSETS					
CURRENT ASSETS	56,720,742.50	64,641,765.61	58,503,045.89	(7,921,023.11)	(1,782,303.39)
RESTRICTED ASSETS	31,983,661.15	18,705,691.52	37,407,767.36	13,277,969.63	(5,424,106.21)
INVESTMENTS	748,196,553.97	736,880,560.74	668,032,334.36	11,315,993.23	80,164,219.61
OTHER ASSETS	12,703,066.63	13,002,270.41	15,897,897.88	(299,203.78)	(3,194,831.25)
PROPERTY / PLANT	1,410,034,864.77	1,406,624,579.65	1,366,608,662.06	3,410,285.12	43,426,202.71
DEFERRED OUTFLOWS OF RESOURCE	8,621,791.00	8,621,791.00	8,621,791.00	-	-
DEFERRED OUTFLOWS OF RESOURCE	36,629,171.00	36,629,171.00	36,629,171.00	-	-
ASSETS	<u>2,304,889,851.02</u>	<u>2,285,105,829.93</u>	<u>2,191,700,669.55</u>	<u>19,784,021.09</u>	<u>113,189,181.47</u>
LIABILITIES					
CURRENT LIABILITIES	36,930,053.42	33,300,856.76	63,377,444.53	3,629,196.66	(26,447,391.11)
OTHER LIABILITIES	96,308,615.44	104,946,194.13	73,651,214.50	(8,637,578.69)	22,657,400.94
BONDS PAYABLE, NONCURRENT	529,823,881.53	534,930,945.31	503,608,226.69	(5,107,063.78)	26,215,654.84
LEASE LIABILITY	4,409,431.45	4,313,119.61	5,066,042.46	96,311.84	(656,611.01)
NET PENSION LIABILITY	121,159,264.00	121,159,264.00	121,159,264.00	-	-
NET OPEB LIABILITY	54,855,850.00	54,855,850.00	54,855,850.00	-	-
DEFERRED INFLOWS OF RESOURCES	25,027,168.00	25,027,168.00	25,027,168.00	-	-
LIABILITIES	<u>868,514,263.84</u>	<u>878,533,397.81</u>	<u>846,745,210.18</u>	<u>(10,019,133.97)</u>	<u>21,769,053.66</u>
NET ASSETS					
RETAINED EARNINGS	164,828,475.35	226,616,268.35	224,662,337.79	-	-
FUND BALANCE	594,633,831.66	594,633,831.66	594,633,831.66	-	-
RESERVE FOR ENCUMBRANCES	585,493,152.36	523,705,359.36	525,659,289.92	-	-
CURRENT YEAR CHANGES TO FU	91,420,127.81	61,616,972.75		29,803,155.06	91,420,127.81
NET ASSETS	<u>1,436,375,587.18</u>	<u>1,406,572,432.12</u>	<u>1,344,955,459.37</u>	<u>29,803,155.06</u>	<u>91,420,127.81</u>
TOTAL LIABILITIES AND NET ASSETS	<u>2,304,889,851.02</u>	<u>2,285,105,829.93</u>	<u>2,191,700,669.55</u>	<u>19,784,021.09</u>	<u>113,189,181.47</u>

Board Of Water Supply
 Budget vs Actual Appropriation Budget - Total BWS Summary

(\$000's)

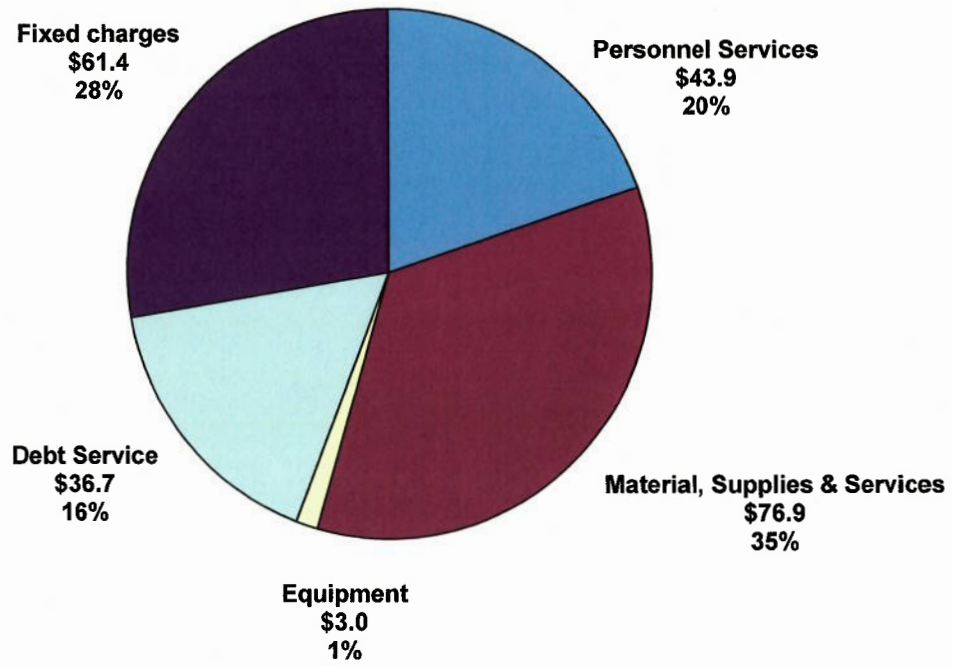
CIFIS 24820-3021

AS OF 6/30/2024

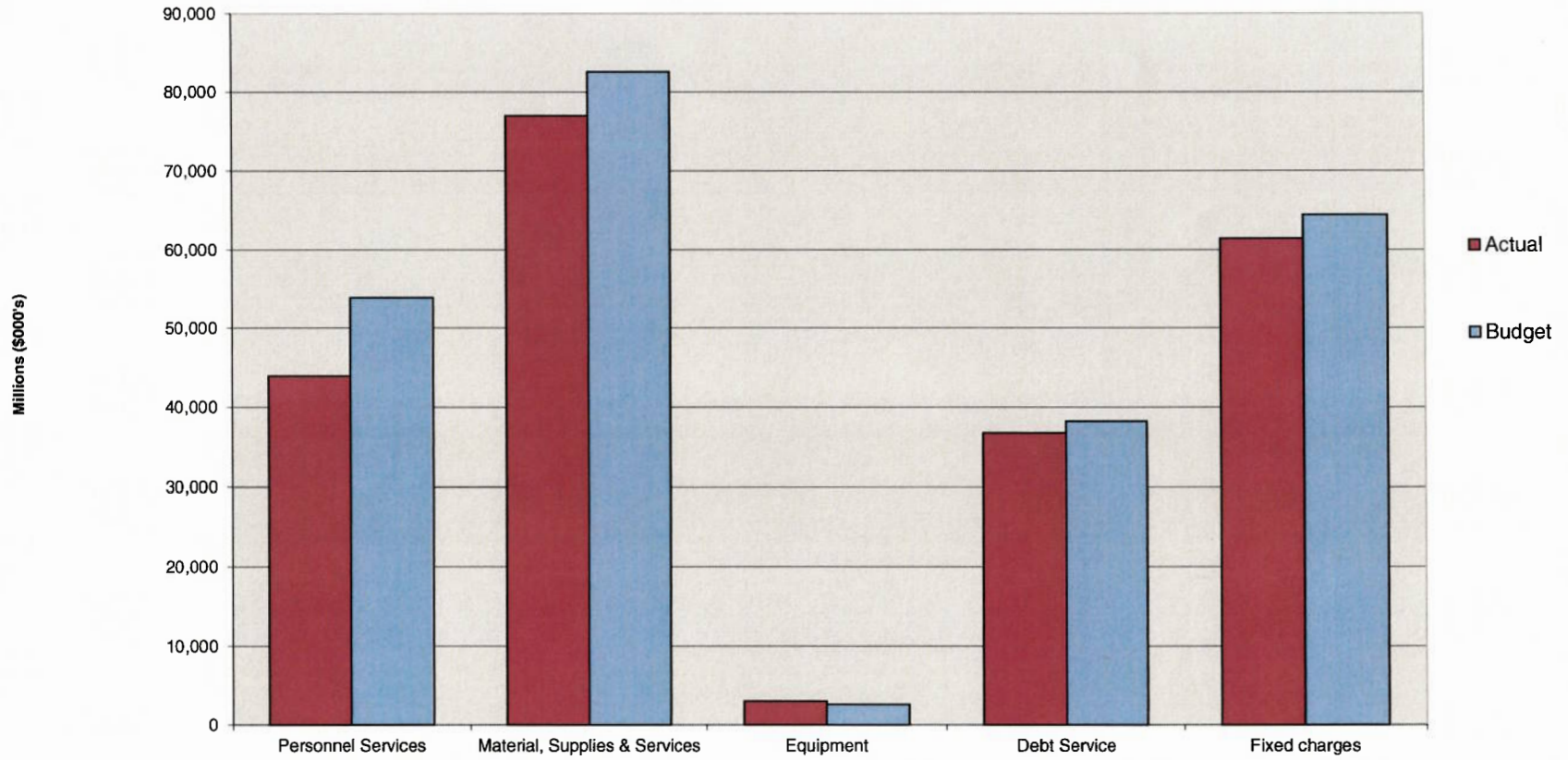
OPER UNIT ALL
 BUSINESS UNIT ALL

YTD-TO-DATE				FOR THE FISCAL YEAR					
YTD Actuals	YTD Budget	Avail/ (Over)	%	Object Description	Revenues/ Expend	Open Encumb	Annual Budget	Avail/ (Over)	%
<u>275,403</u>	<u>263,060</u>	<u>(12,343)</u>	<u>4.69-</u>	<u>REVENUE</u>	<u>275,403</u>		<u>263,060</u>	<u>(12,343)</u>	<u>4.69-</u>
				OPERATING EXPENSES:					
43,870	53,925	10,055	18.65	Personnel Services	43,870		53,925	10,055	18.65
				MATERIALS AND SUPPLIES					
41,153	45,791	4,638	10.13	Services	21,170	19,983	45,791	4,638	10.13
17,806	17,214	(592)	3.44-	Supplies	13,766	4,040	17,214	(592)	3.44-
209	415	206	49.64	Education & Training	199	10	415	206	49.64
				Utilities					
5,992	3,200	(2,792)	87.25-	Repairs & Maint	5,131	861	3,200	(2,792)	87.25-
11,784	15,919	4,135	25.98	Misc	9,249	2,535	15,919	4,135	25.98
2,969	2,563	(406)	15.84-	Equipment	609	2,360	2,563	(406)	15.84-
36,741	38,222	1,481	3.87	Debt Service	36,741		38,222	1,481	3.87
				FIXED CHARGES:					
29,853	32,750	2,897	8.85	Utilities	29,853		32,750	2,897	8.85
3,300	3,300			Case Fees	3,300		3,300		
14,914	15,500	586	3.78	Retirement System Contribution	14,914		15,500	586	3.78
13,357	12,888	(469)	3.64-	Misc Employees' Benefits	13,030	327	12,888	(469)	3.64-
<u>221,948</u>	<u>241,687</u>	<u>19,739</u>	<u>8.17</u>	<u>TOTAL OPERATING EXPENDITURES</u>	<u>191,832</u>	<u>30,116</u>	<u>241,687</u>	<u>19,739</u>	<u>8.17</u>
<u>53,455</u>	<u>21,373</u>	<u>(32,082)</u>		<u>NET REVENUES (EXPENDITURES)</u>	<u>83,571</u>	<u>(30,116)</u>	<u>21,373</u>	<u>(32,082)</u>	

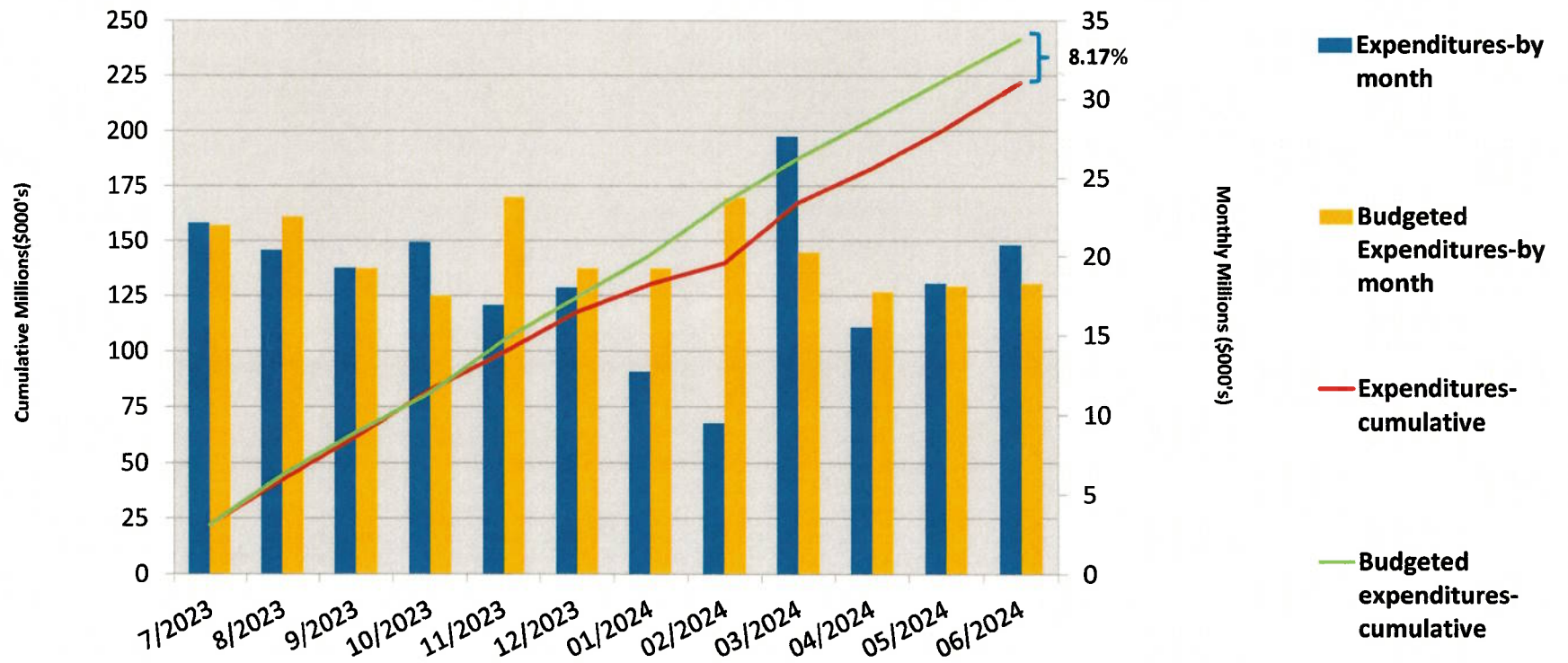
Total Operating Expenditures - \$221.9
As of June 30, 2024
(millions of dollars)



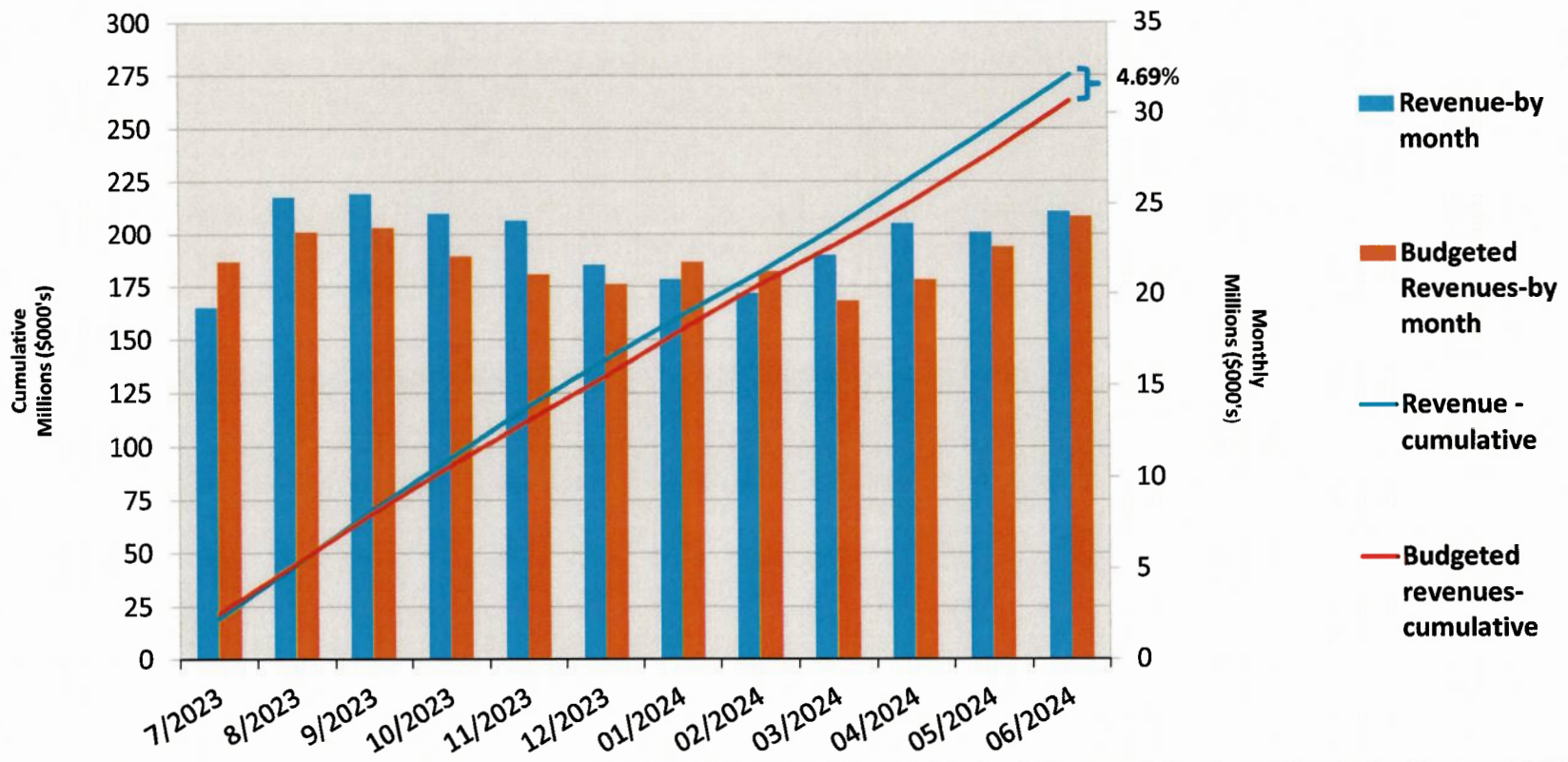
**Operating Expenditures by Category (Budget vs. Actual)
As of June 30, 2024**



BUDGETED OPERATING EXPENDITURES FY 2024



BUDGETED OPERATING REVENUES FY 2024



4.69%

- Revenue-by month
- Budgeted Revenues-by month
- Revenue - cumulative
- Budgeted revenues-cumulative

ITEM FOR INFORMATION NO. 3

“September 23, 2024

CAPITAL
IMPROVEMENT
PROGRAM
QUARTERLY
UPDATE

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Capital Improvement Program Semi-Annual Update

Patrick Chun, Acting Program Administrator, Capital Projects Division, will provide an update on the execution of the FY 2024 Capital Improvement Program Budget; and Raelynn Nakabayashi, Executive Assistant, Executive Support Office, will provide information on the FY24 budget amendments.

Respectfully Submitted,

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

Attachment”

The foregoing was for information only.

DISCUSSION:

Patrick Chun, Acting Program Administrator, Capital Projects Division, and Raelynn Nakabayashi, Executive Assistant, Executive Support Office, gave the report.

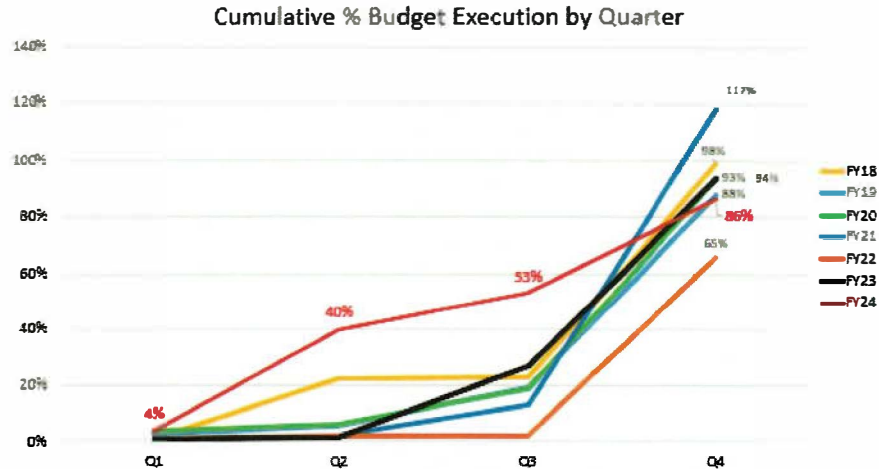
Chair Anthony asked if the BWS sees considerable differences in the budgeted and contracted amounts.

Ms. Nakabayashi responded that it is hard to budget project funds that match the final awards. Many external factors can influence the bidding and contracting environment, such as market demand, project and site complexity, labor and material scarcity, etc. She referred to a project covered in the earlier part of the report, specifically the Nu‘uanu Reservoir No. 1 Dam Improvements. All bids on this project came in significantly higher than the project’s budget, but when comparing all bids received, the amounts were deemed reasonable and reflective of the market conditions.

Chair Anthony commented that Nu‘uanu Reservoir No. 1 Dam Improvements were budgeted at \$5.2M but awarded at \$16.7M.

Ms. Nakabayashi shared that all bids opened for that project were in the same range.

Board Member Edwin Sniffen recognized that more than 50% of the BWS projects were awarded by the third quarter compared to previous fiscal years. He asked what was done differently.



Ms. Nakabyashi gave credit and applauded all the divisions for working together. She shared that during a time when the Procurement Office was short-staffed, all the BWS divisions assisted and helped balance the workload.

Board Member Sniffen explained that the graph caught his eye because historically, for the Department of Transportation (DOT), the curve is flat throughout the fiscal year until the fourth quarter, when most projects are awarded and executed, which may affect costs since the industry simultaneously presents multiple bidding opportunities. He commented that he loved how the BWS adjusted to ensure the best pricing and a manageable workload.

Board Member Sniffen and Chair Anthony expressed appreciation to the BWS.

BOARD OF WATER SUPPLY FY 2024 CAPITAL IMPROVEMENTS PROGRAM BUDGET EXECUTION

PATRICK CHUN, CAPITAL PROJECTS DIVISION



**Quarterly Capital Improvement Program Status Report
All Divisions
as of June 30, 2024**

Quarter Awarded	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Awarded to Date	Total Budgeted
Design Contracts Awarded (#/\$)	0		1	\$ 300,000.00	0		12	\$ 11,395,196.03	\$ 11,695,196.03	\$ 13,160,000.00
Construction Contracts Awarded (#/\$)	4	\$ 6,513,388.00	5	\$ 64,899,829.00	6	\$ 23,240,591.00	18	\$ 48,375,743.75	\$ 143,029,551.75	\$ 165,940,000.00
Land Purchases (#/\$)										\$ -
Project Totals	4	\$6,513,388.00	6	\$65,199,829.00	6	\$23,240,591.00	30	\$59,770,939.78	\$154,724,747.78	\$179,100,000.00

Quarter Completed	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Totals
Design Contracts Completed (#/\$)	1	\$ 89,840.00	0		8	\$ 1,319,134.24	3	\$ 895,379.00	\$ 2,304,353.24
Construction Contracts Completed (#/\$)	7	\$ 4,596,105.15	1	\$ 168,398.00	1	\$ 272,774.00	1	\$ 430,000.00	\$ 5,467,277.15
Totals	8	\$4,685,945.15	1	\$168,398.00	9	\$1,591,908.24	4	\$1,325,379.00	\$7,771,630.39

Ongoing Projects	
Ongoing Design Projects (#)	324
Ongoing Design Projects (\$)	\$163,247,132.44
Ongoing Construction Projects (#)	123
Ongoing Construction Projects (\$)	\$547,064,603.35



**Quarterly Capital Improvement Program Status Report
All Divisions**

DESIGN AND CONSTRUCTION PROJECTS AWARDED - THIRD QUARTER FY 2024

Item #	Project Title	Expend Type	Budget Amount	Awarded
005E	Aina Koa Well Pump No. 1 Replacement	CONST		272,272.00
005H	Kalihi Uka Booster Unit No. 2 Replacement	CONST		226,320.00
011	Kahilina Place and Aiea Heights Drive Water System Improvements	CONST	10,200,000.00	7,285,322.00
012	Kakela Drive and Mohala Way Water System Improvements	CONST	3,000,000.00	3,390,000.00
025	Pump Station Instrumentation & Controls and SCADA Upgrade	CONST	1,000,000.00	628,100.00
041	Wilhelmina Rise 811 Reservoir Replacement	CONST	8,500,000.00	11,438,577.00
3rd Quarter Totals			\$22,700,000.00	\$23,240,591.00

DESIGN AND CONSTRUCTION PROJECTS COMPLETED - THIRD QUARTER FY 2024

Job #	Project Title	Completion Date	Contract Amount
23-010A	Kapālama Wells Replacement of Pump No. 2	2/29/2024	272,774.00
2014-020A	Mililani Wells IV - Replacement of Pump No. 2	3/12/2024	137,969.00
2018-037	Beretania Street: 12-Inch Blow-Off Main	2/29/2024	178,420.00
2013-033D	Archaeological Services for Kamehameha Highway: 16-Inch and 8-Inch Water Mains	2/1/2024	77,840.62
2002-043	Anoi Road Water System Improvements	1/25/2024	419,300.00
2010 Oper	Non-Potable Water System Standards	1/18/2024	98,740.00
2010-032D	Archaeological Services for Mapunapuna Water System Improvements	1/8/2024	44,712.02
2015-060H	Archaeological Monitoring for Kalihi Water System Improvements, Part III	1/8/2024	219,519.54
2018-055C	Archaeological Monitoring for Mō'ili'ili Water System Improvements, Part IV	1/8/2024	142,633.06
3rd Quarter Totals			\$1,591,908.24



**Quarterly Capital Improvement Program Status Report
All Divisions**

CONSTRUCTION PROJECTS AWARDED - FOURTH QUARTER FY 2024

Item #	Project Title	Expend Type	Budget Amount	Awarded
002A	Monitoring Well at Site A	CONST	7,000,000.00	2,960,696.00
002B	Monitoring Well D1 at Site D	CONST		3,237,612.00
004	Waihee Tunnel and Inclined Wells Chlorinator	CONST	6,000,000.00	11,800,000.00
005G	Waiau Wells Pump No. 2 Replacement	CONST	4,080,000.00	297,109.00
005J	Waipahu Wells III Pump No. 1 Replacement	CONST		320,873.00
005K	Waipahu Wells IV Pump No. 3 Replacement	CONST		267,993.00
005M	Waipahu Wells II Pump No. 1 Replacement	CONST		339,076.00
005Q	Waiialae Iki Booster 5 Unit No. 1 Replacement	CONST		166,729.00
005R	Punanani Wells Pump No. 6 Replacement	CONST		280,760.00
014	Service Lateral Replacements in Kapolei	CONST	1,000,000.00	2,087,700.00
022	Nuuanu Reservoir No. 1 Dam Improvements	CONST	5,200,000.00	16,720,000.00
023	Nanakuli 242 Altitude Valve	CONST	1,500,000.00	2,366,573.75
026B	Security Fencing at Kalauao Wells	CONST	2,000,000.00	1,004,000.00
028A	Kalihi Corporation Yard Aboveground Fuel Tank and Enclosure	CONST	5,000,000.00	2,432,500.00
028B	Beretania Courtyard Gate Replacement	CONST		542,695.00
028D	Beretania Engineering Building HVAC Replacement	CONST		1,627,717.00
028G	Kalihi Pump Station Fire Alarm System Replacement	CONST		242,770.00
028K	Hawaii Loa Booster No. 1 Repair and Rehabilitation and 'āina Koa 1100' Reservoir Fence Addition	CONST		1,680,940.00
4th Quarter Totals			\$31,780,000.00	\$48,375,743.75



**Quarterly Capital Improvement Program Status Report
All Divisions**

DESIGN PROJECTS AWARDED - FOURTH QUARTER FY 2024

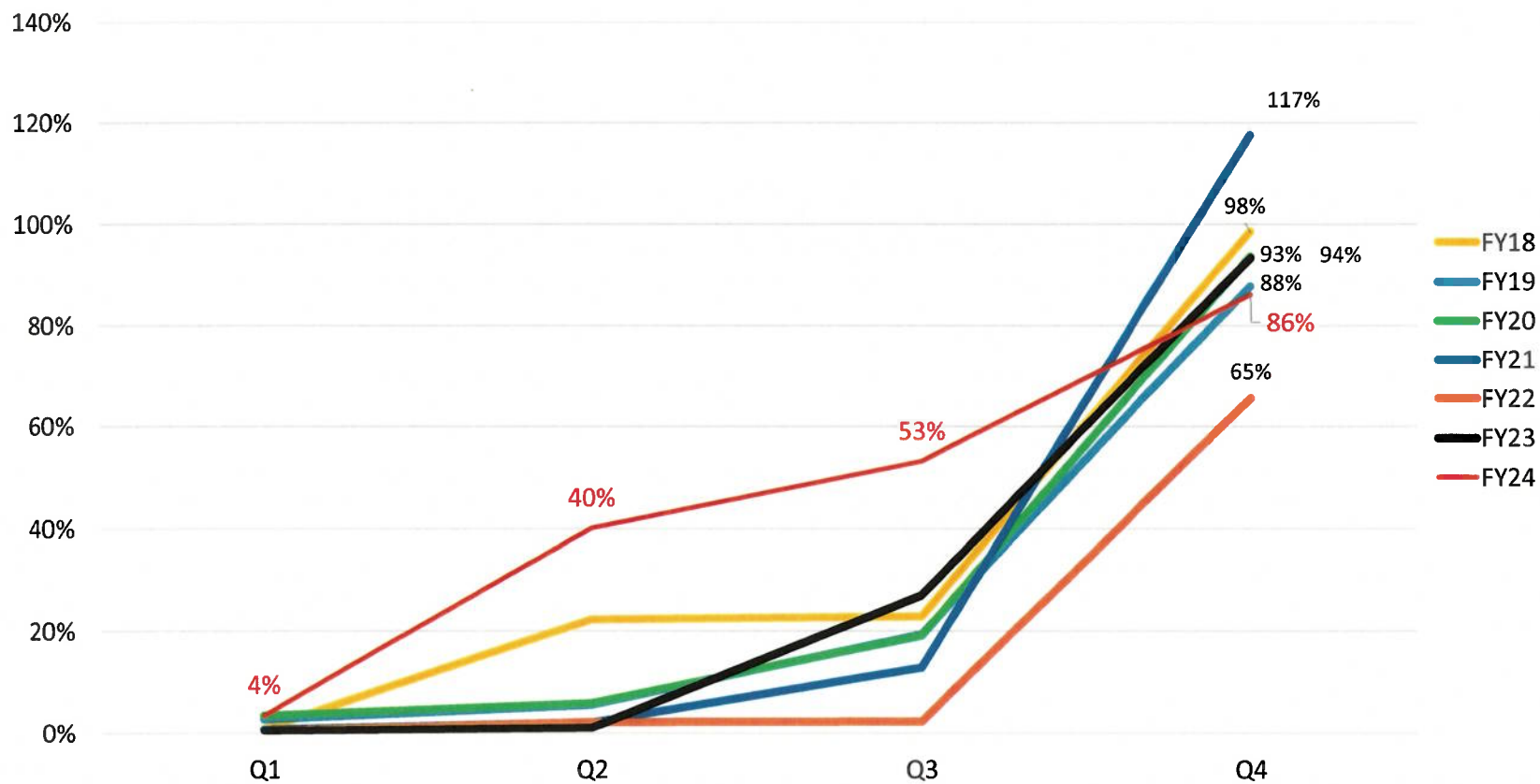
Item #	Project Title	Expend Type	Budget Amount	Awarded
006	Kalihi Hi-Service Booster Electrical Upgrades	P&E	500,000.00	533,860.00
007	Makakilo Booster No. 1 Electrical Upgrades and Facility Repairs	P&E	580,000.00	579,032.15
009	Kaonohi Booster No. 2 MCC Replacement and Facility Repairs	P&E	580,000.00	670,740.00
016	Kamehameha Highway, Lipoa Place and Kihale Street Area Water System Improvements	P&E	1,000,000.00	2,216,811.00
018	Service Lateral Replacement at Various Locations	P&E	150,000.00	109,861.12
030	Beretania Micro-Lab HVAC Improvements	P&E	1,500,000.00	276,736.76
032	Pump Station Assessment and Operations/Repairs	P&E	300,000.00	300,000.00
034	Red Hill Contamination Response Production Well - Aiea 497'	P&E	300,000.00	299,503.00
035	Waialae Nui Well	P&E	300,000.00	250,367.00
038	Honolulu District 42-Inch Mains - Liliha to Moiliili	P&E	6,000,000.00	4,346,441.00
042	DLNR Windward Exploratory Well State Well Number (3-2429-002)	P&E	550,000.00	811,844.00
043	BWS Water Master Plan Update	P&E	1,000,000.00	1,000,000.00
4th Quarter Totals			\$12,760,000.00	\$11,395,196.03

DESIGN AND CONSTRUCTION PROJECTS COMPLETED - FOURTH QUARTER FY 2024

Job #	Project Title	Completion Date	Contract Amount
23-033A	Kalihi Corporation Yard Fueling Station Repair	4/26/2024	\$430,000.00
2007-029	Lualualei Line Booster System Improvement	6/28/2024	\$236,804.00
2019-043A	Pūpūkea Iwi Kūpuna Reinternment	5/16/2024	\$119,173.00
2016-025	Ala Aolani: 12-Inch Water Main	4/4/2024	\$539,402.00
4th Quarter Totals			\$1,325,379.00



Cumulative % Budget Execution by Quarter



SUMMARY OF REVISIONS TO THE FISCAL YEAR 2023 – 2024 (FY24) CAPITAL IMPROVEMENT PROGRAM BUDGET

RAELYNN NAKABAYASHI, EXECUTIVE SUPPORT OFFICE



RESOLUTION 966, 2023 (ANNUAL BUDGET FY24)

Appropriated \$212,646,000

Operating Fund (Operating):	\$34,696,000
State Revolving Fund (SRF):	\$39,380,000
Special Expendable Fund (Special Ex):	\$40,750,000
Improvement Fund (Improvement):	\$50,410,000
Extramural Fund (Extramural):	\$47,410,000

“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, 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;**”

ADOPTION OF RESOLUTION NO. 966, 2023, ADOPTING THE OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET FOR THE FISCAL YEAR 2023-2024 AND APPROPRIATING FUNDS THEREFOR WAS ADOPTED ON MAY 22, 2023			
	AYE	NO	COMMENT
BRYAN P. ANDAYA	X		
KAPUA SPROAT			ABSENT
MAX J. SWORD	X		
NA'ALEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
EDWIN H. SNIFFEN	X		
WARREN K. MAMIZUKA	X		



RESOLUTION 970, 2023 - AMENDMENT NO. 1

Appropriated \$223,911,976

Operating Fund (Operating):	\$36,276,000
State Revolving Fund (SRF):	\$39,380,000
Special Expendable Fund (Special Ex):	\$41,300,000
Improvement Fund (Improvement):	\$59,180,000
Extramural Fund (Extramural):	\$47,775,976

“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, 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;**”

ADOPTION OF RESOLUTION NO. 970, 2023, AMENDING THE 2023-2024 CAPITAL IMPROVEMENT PROGRAM BUDGET AND APPROPRIATING FUNDS THEREFOR AND REVISION OF THE 2023-2024 CAPITAL IMPROVEMENT PROGRAM BUDGET - AMENDMENT NO. 1 WAS ADOPTED ON AUGUST 28, 2023			
	AYE	NO	COMMENT
NA'ALEHU ANTHONY	X		
KAPUA SPROAT			ABSENT
BRYAN P. ANDAYA	X		
MAX J. SWORD	X		
JONATHAN KANESHIRO			ABSENT
EDWIN H. SNIFFEN			ABSENT
GENE C. ALBANO	X		



BUDGET AMENDMENT NO. 1

	OPERATING	SRF	SPECIAL EX	IMPROVEMENT	EXTRAMURAL	TOTAL
RESOLUTION 966, 2023 FY2024 BUDGET	34,696,000	39,380,000	40,750,000	50,410,000	47,410,000	212,646,000
AMENDMENT NO.1 (RESOLUTION 970, 2023)						
#5 PUMP RENEWAL AND REPLACEMENT	580,000					
#41 WILHELMINA RISE 811 RESERVOIR REPLACEMENT				8,500,000		
#42 DLNR WINDWARD EXPLORATORY WELL STATE WELL NUMBER (3-2429-002)			550,000			
#43 BWS WATER MASTER PLAN UPDATE	1,000,000					
#8 HAWAII LOA BOOSTER NO. 1 PUMP AND MCC				(580,000)		
CONSTRUCTION COST INDEX ADJUSTMENT ACCOUNT				850,000	365,976	
AMENDED TOTALS	36,276,000	39,380,000	41,300,000	59,180,000	47,775,976	223,911,976

Justification(s):

Project #5 – Additional funds needed to address supplemental projects required to support out water system.

Project #41 – This project was originally budgeted in FY2022-2023; however, a contract award was not made, no funds were encumbered, and funding lapsed.

Project #42 – This project was originally budgeted in FY2022-2023; however, a contract award was not made, no funds were encumbered, and funding lapsed.

Project #43 – This project is a new project to update the BWS Water Master Plan.

Project #8 – This project is deferred to a future fiscal year. More time is needed to complete the Hawaii Loa Booster No. 2 project and ensure water service to the community.

Construction Cost Index Account – Additional American Rescue Plan Act (ARPA) funding is being added to the contingency account for the Monsarrat Avenue Water System Improvements project awarded in FY2023 and contingency for Project #41 Wilhelmina Rise 811 Reservoir Replacement is being added.



BUDGET AMENDMENT NO. 2

		OPERATING	SRF	SPECIAL EX	IMPROVEMENT	EXTRAMURAL	TOTAL
	AMENDMENT NO. 1 AMENDED TOTALS	36,276,000	39,380,000	41,300,000	59,180,000	47,775,976	223,911,976
AMENDMENT NO. 2							
	#41 WILHELMINA RISE 815 RESERVOIR REPLACEMENT						
	AMENDED TOTALS	36,276,000	39,380,000	41,300,000	59,180,000	47,775,976	223,911,976

Justification(s):

This amendment to the Fiscal Year 2024 Capital Improvement Program changed the title of Item No. 41 and is necessary to reflect a resign of the project. **The amendment did not change the description, or the amount of funding appropriated for the project.**

New Title: Wilhelmina Rise 815 Reservoir Replacement

Original Title: Wilhelmina Rise 811 Reservoir Replacement



BUDGET AMENDMENT NO. 3

	OPERATING	SRF	SPECIAL EX	IMPROVEMENT	EXTRAMURAL	TOTAL
AMENDMENT NO. 2 AMENDED TOTALS	36,276,000	39,380,000	41,300,000	59,180,000	47,775,976	223,911,976
AMENDMENT NO. 3						
#2 MONITORING WELLS FOR RED HILL CONTAMINATION RESPONSE				(2,500,000)		
#15 WATER MAIN INSTALLATION AND REPLACEMENT	(100,000)					
#19 WATER MAIN INSTALLATION AND REPLACEMENT	(100,000)					
#21 MILILANI WELLS I - GAC REPLACEMENT	(2,000,000)					
#33 MAAKUA WELL UNIT NO. 2				(4,500,000)		
CONTRACT ADJUSTMENT ACCOUNT	2,200,000			7,000,000		
AMENDED TOTALS	36,276,000	39,380,000	41,300,000	59,180,000	47,775,976	223,911,976

Justification(s):

Project #2 - The funding will not be required in FY 2024. Funding in Fiscal Year 2025 is budgeted to drill three (3) additional monitoring wells for Red Hill contamination response.

Project #15 - The funding will not be required in Fiscal Year 2024.

Project #19 - The funding will not be required in Fiscal Year 2024.

Project #21 - The funding will not be required in Fiscal Year 2024. The project is being redesigned to meet standards required to utilize State Revolving Fund monies in Fiscal Year 2025.

Project #33 – The funding will not be required in Fiscal Year 2024. The project is budgeted in Fiscal Year 2025 to Reflect a higher cost of construction.

Contract Adjustment Account - The recommended reprogramming of the funds under Project Item Numbers: 2, 15, 19, 21, and 33 will enable the department to fund the Contract Adjustment Account. Due to continued economic uncertainty and volatility, the BWS is seeing increased project costs, and more funding is required to award and complete projects.



BUDGET AMENDMENT NO. 4

	OPERATING	SRF	SPECIAL EX	IMPROVEMENT	EXTRAMURAL	TOTAL
AMENDMENT NO. 3 AMENDED TOTALS	36,276,000	39,380,000	41,300,000	59,180,000	47,775,976	223,911,976
AMENDMENT NO. 4						
#27 MAKAHA SHAFT TUNNEL REHABILITATION				(7,500,000)		
#39 HONOLULU DISTRICT 42-INCH MAINS - LILIHA TO MOILILI AIS				(300,000)		
#3 CONSTRUCTION MGMT FOR VARIOUS BWS CONSTRUCTION PROJECTS	(2,000,000)					
CONTRACT ADJUSTMENT ACCOUNT	2,000,000			7,800,000		
AMENDED TOTALS	36,276,000	39,380,000	41,300,000	59,180,000	47,775,976	223,911,976

Justification(s):

Project #27 - The project is being deferred to Fiscal Year 2025.

Project #39 - The project is being deferred to Fiscal Year 2025.

Project #3 - The project is being deferred to Fiscal Year 2025.

Contract Adjustment Account - The recommended reprogramming of the funds will enable the Department to execute projects that require additional funding. Due to continued economic uncertainty and volatility, the BWS is seeing increased project costs and more funding is required to award and complete projects.



ITEM FOR INFORMATION NO. 4

"September 23, 2024

FISCAL YEAR
2024 CLAIMS
MANAGEMENT
SUMMARY

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Fiscal Year 2024 Claims Management Summary

Raelynn Nakabayashi, Executive Assistant I, Executive Support Office,
will provide information on Fiscal Year 2024 Claims Management.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: Raelynn Nakabayashi, Executive Assistant, Executive Support Office,
gave the report.

Board Member Sproat expressed gratitude to the BWS.



FISCAL YEAR 2024 CLAIMS MANAGEMENT SUMMARY

Raelynn Nakabayashi
September 23, 2024
boardofwatersupply.com

LEGAL FRAMEWORK - WATER RESEARCH FOUNDATION

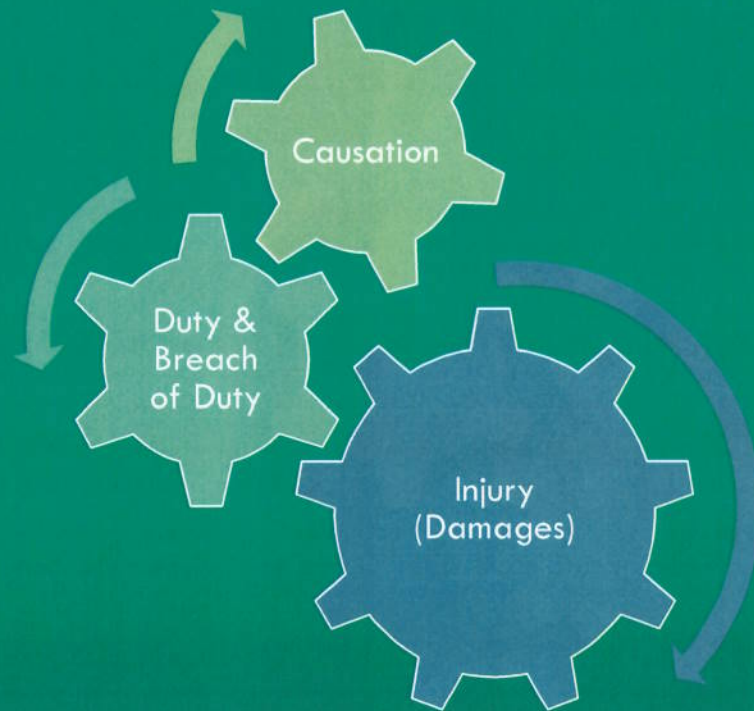
“...Tort law holds a person or entity to a defined and certain standard of care. When other persons or property are injured because of a failure to uphold that standard of care, the result is that the person who failed is held liable.”

...

“The matter of whether a water utility can be held liable for infrastructure failures is unique to the state or province where the utility is located because the standard of care that a utility is held to changes from jurisdiction to jurisdiction.”



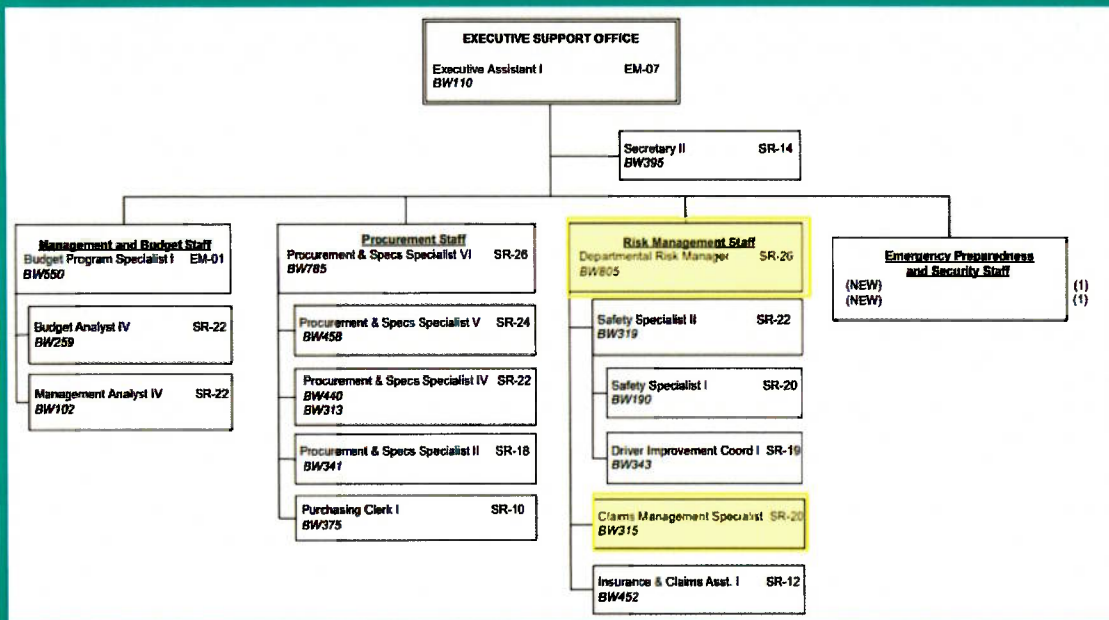
HAWAII CIVIL JURY INSTRUCTIONS



“Plaintiff(s) must prove by a preponderance of the evidence that defendant(s) was/were negligent and that such negligence was a legal cause of plaintiff’s(s’) injuries and/or damages. Plaintiff(s) must also prove the nature and extent of his/her/their injuries and/or damages.”



BOARD OF WATER SUPPLY – RISK MANAGEMENT



Board of Water Supply Operating Budget Fiscal Year 2024

ESO - Executive Support Office 5110 - Risk Management

Section's Activity

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

Account	FY2022 Actual	FY2023 Adopted Budget	FY2023 Adopted Budget	FY2024 Proposed Budget	Change
4110 - Salaries & Wages	245,050	336,200	343,700	364,800	21,100
4120 - Overtime	4,745	5,000	5,000	5,000	0
Personnel Services	249,795	342,200	348,700	369,800	21,100
4160 - Meals; Mileage & Uniform Allowances	297	750	500	500	0
4260 - Other Contractual Services	8,025	17,730	18,630	24,630	6,000
4270 - Professional Services	1,367,301	1,170,000	1,270,000	1,060,000	(220,000)
4430 - Miscellaneous Supplies	8,389	7,600	7,000	7,000	0
4480 - Other Materials & Supplies	70	0	0	0	0
4500 - Education and Training	1,857	2,900	13,175	38,635	25,660
4720 - Conference Travel & Expenses	0	3,500	500	500	0
4910 - Miscellaneous Fees & Registration	2,691	3,650	3,350	3,350	0
5700 - Insurance	1,173,580	1,110,835	1,242,772	1,391,253	148,481
6340 - Workers Compensation Benefits	2,130,986	1,316,000	1,270,000	1,270,000	0
6350 - Claims for Pers Injuries & Prop Damage	1,162,343	1,000,000	1,250,000	1,250,000	0
Materials, Supplies and Services	5,855,540	4,632,965	5,075,927	5,036,068	(39,859)
Total Risk Management	6,105,335	4,975,165	5,424,627	5,405,868	(18,759)

Budget Highlights



CLAIMS FOR PERSONAL INJURIES / PROPERTY DAMAGES

(5-YEAR EXPENDITURE HISTORY)

Fiscal Year	Amount
2020	592,728.76
2021	997,393.60
2022	1,162,342.97
2023	1,070,958.41
2024	459,980.67



GENERAL LIABILITY* LOSS RUNS

FISCAL YEARS 2020 - 2024

	Total	Closed	Open	Paid
FY2020	141	141	0	890,040.74
FY2021	88	87	1	1,392,613.78
FY2022	52	51	1	253,611.96
FY2023	76	58	18	475,933.07
FY2024	67	26	41	90,023.64

Does not include Litigated Matters that did not begin with a "Claim"



AUTO* LOSS RUNS

FISCAL YEARS 2020 - 2024

	Total	Closed	Open	Paid
FY2020	36	35	1	59,051.68
FY2021	23	23	0	56,200.19
FY2022	22	22	0	27,736.08
FY2023	22	21	1	21,510.98
FY2024	14	6	8	5,839.18

Does not include Litigated Matters that did not begin with a "Claim"





Mahalo!

BOARD OF WATER SUPPLY

Fiscal Year 2024 Claims Management Summary

Raelynn Nakabayashi

(808) 748-5177, rnakabayashi@hbws.org

boardofwatersupply.com for more information

September 23, 2024

Providing safe, dependable, and affordable
drinking water, now and into the future.

ITEM FOR INFORMATION NO. 5

“September 23, 2024

INVITATION TO
IMAGINE A
DAY WITHOUT
WATER EVENT
ON SEPTEMBER
28, 2024

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Invitation to Imagine a Day Without Water Event on
September 28, 2024

The Board of Water Supply (BWS) is pleased to invite you to attend this year's Imagine a Day Without Water Event this Saturday, September 28, from 10 AM to 2 PM at the Kapolei Regional Park, 1077 Manawai St., Kapolei.

This free, family-friendly, community event marks the fifth annual observance of the concept of One Water Hawai'i. It integrates the types of water available – drinking water, wastewater, stormwater, freshwater, and seawater – and our collective responsibility to protect, preserve, and improve these waters in our built and natural environments. About 20 state and county agencies, community organizations, and volunteer groups are teaming up to host this activity-filled day.

The BWS will promote water conservation with rain barrel and xeriscape workshops. Participating state agencies include the Departments of Agriculture and Land and Natural Resources, with support from its Commission on Water Resource Management and Division of Forestry and Wildlife. City and County of Honolulu participants include the Mayor's Resilience Office and the Departments of Environmental Services and Facility Maintenance. Also, the Honolulu Fire Department and Hawaiian Electric Company will educate attendees about wildfire prevention and the Public Safety Power Shutoff.

Additionally, sustainable practices education will be offered through BWS partner organizations including the Ko'olau and Wai'anae Watershed Management Partnerships, Sustainable Coastlines, O'ahu Invasive Species Committee, and Sierra Club Hawai'i. Invitations were sent to feature local food options such as Hawaiian food, tropical drinks, and shave ice.

We hope that you, your family, and friends will join us on September 28th.

Respectfully Submitted,

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

Attachment”

The foregoing was for information only.

DISCUSSION:

Kathleen Elliott-Pahinui, Information Officer, Communications Office, gave the report.

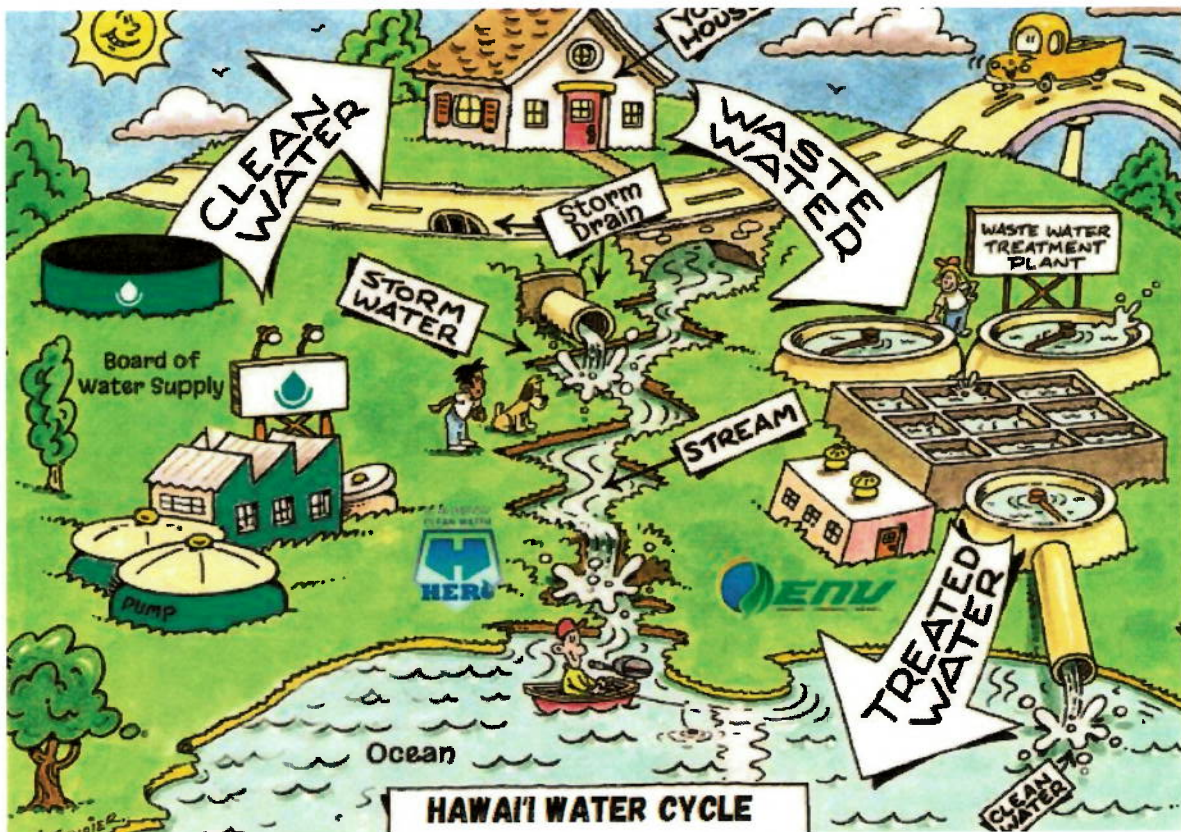
At 4:07, Board Member Bryan Andaya signed off from Zoom and left the Board Meeting.

Chair Anthony thanked the Communications Office for all their hard work.

Imagine A Day Without Water

Sat, Sept. 28, 10am to 2pm

Kapolei Regional Park



www.neorsd.org • Original art by Northeast Ohio Regional Sewer District / Modified for use by Honolulu Board of Water Supply • www.boardofwatersupply.com

MORE THAN 15 CITY/STATE AND COMMUNITY ORGANIZATION
BOOTHS WITH INTERACTIVE ACTIVITIES

XERISCAPE PLANT CRAFT

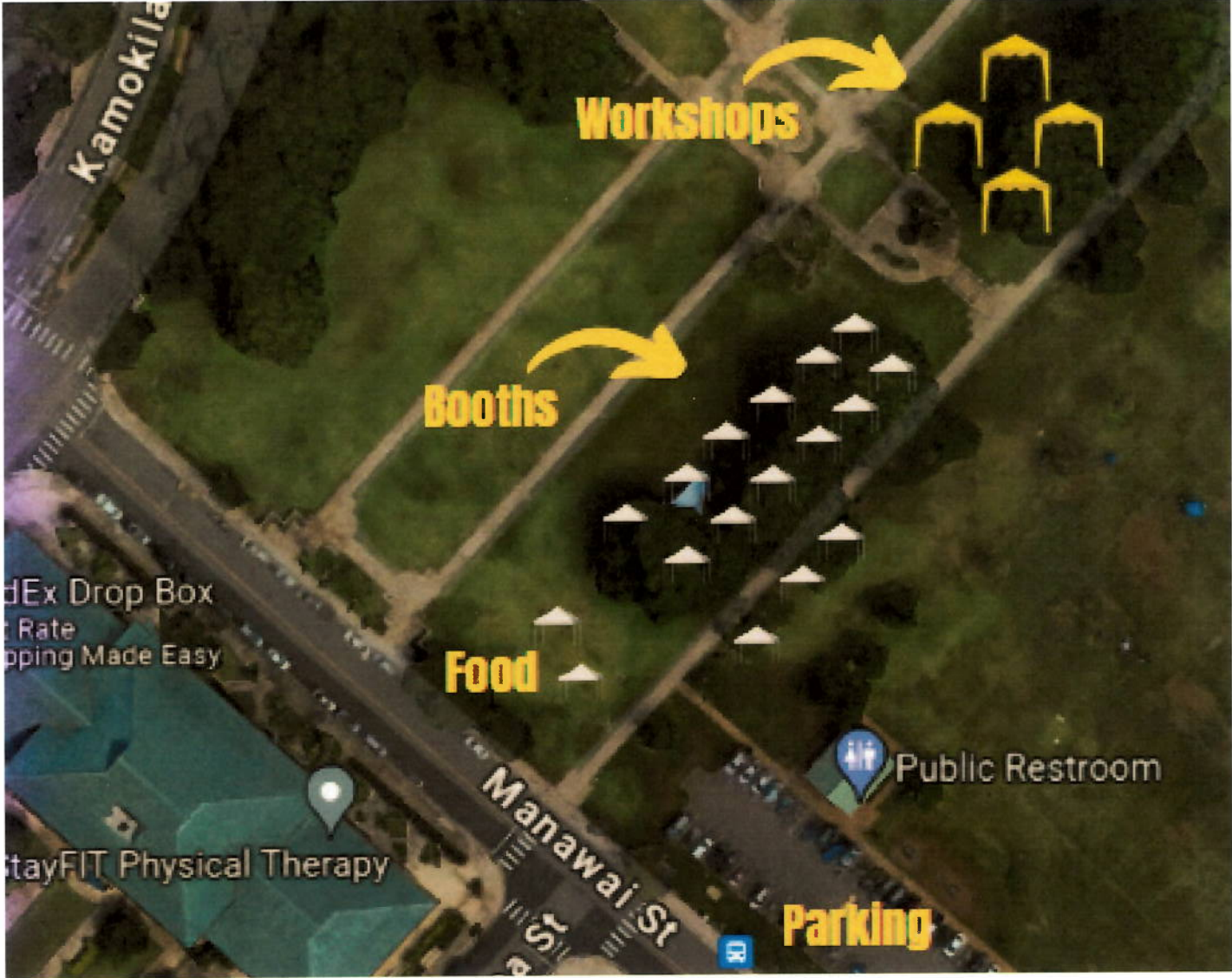
RAINBARREL WORKSHOPS

'ONO FOOD, DESSERTS, AND SNACKS FOR SALE!

SUCCULENT MINI WORKSHOP **AND MORE!**

www.boardofwatersupply.com/onewaterhawaii

Event Map



Event Location: Kapolei Regional Park alongside Manawai St. across from Haumea St.



ITEM FOR INFORMATION NO. 6

“September 23, 2024

STATUS
UPDATE OF
GROUNDWATER
LEVELS AT
ALL INDEX
STATIONS

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Status Update of Groundwater Levels at All Index Stations

Four aquifer index stations were in low groundwater condition for the production month of August 2024. Pearl City, Punalu'u and Waialua are in Caution Status. Kaimukī is in Alert Status. The monthly production average for August 2024 was 146.55 million gallons per day.

The Board of Water Supply rainfall index for the month of August 2024 was 81 percent of normal, with a 5-month moving average of 140 percent. As of September 3, 2024, the Hawai'i Drought Monitor shows abnormally dry conditions across the north-east half (the Ko'olau Range) of the island of O'ahu, with moderate drought conditions across the western portion of the island (the Wai'anae Range), to severe drought conditions along the leeward coasts. The National Weather Service is forecasting below-normal precipitation through October 2024.

Most monitoring wells exhibited stable to slightly decreasing head levels for the month of August 2024, likely reflecting the seasonal increase in production. Average monthly production for August 2024 was slightly lower than for August 2023, and a little below the 5-year monthly average. Continued conservation messaging is recommended through the fall of 2024.

Respectfully Submitted,

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

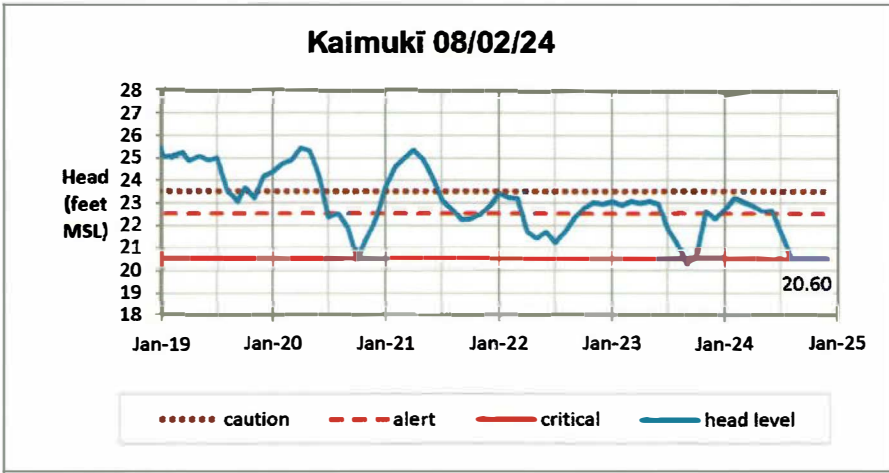
Attachment”

The foregoing was for information only.

DISCUSSION:

Barry Usagawa, Program Administrator, Water Resources Division, gave the report. There were no comments or discussion.

Chair Anthony inquired about Kaimukī's current alert status and what causes its head level to fluctuate. Is it due to the Halawa Shaft, Halawa Well, and Aiea Well being shut off?



Mr. Barry Usagawa responded yes, the shutoff at Halawa Shaft and the cutback at Beretania caused some fluctuation in the head level for Kaimukī. He shared that Kaimukī chlorides are low and stable; however, the head levels are draft sensitive, which sometimes causes the head levels to fall and requires operational adjustments, which have been done. The BWS monitors head levels monthly at all locations and keeps water system operations informed to make necessary adjustments to pumping.

**PRODUCTION, HEAD AND RAINFALL REPORT
MONTH OF AUGUST 2024**

POTABLE

STATION	MGD
HONOLULU (1)	
KULIOUOU	0.03
WAILUPE	0.00
AINA KOA	0.00
AINA KOA II	0.63
MANOA II	0.94
PALOLO	1.42
KAIMUKI HIGH	2.57
KAIMUKI LOW	3.45
WILDER	8.98
BERETANIA HIGH	1.25
BERETANIA LOW	2.36
KALIHI HIGH	3.64
KALIHI LOW	2.63
KAPALAMA	0.39
KALIHI SHAFT	8.31
MOANALUA	2.08
HALAWA SHAFT	0.00
KAAMILO	0.69
KALAUAO	9.30
PUNANANI	9.26
KAAHUMANU	0.35
HECO WAIJU	2.72
MANANA	0.28
WAIALAE IKI	0.52
WELLS SUBTOTAL:	61.80
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.00
GRAVITY SUBTTL:	0.17
HONOLULU SUBTTL:	61.97

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.82
WAIMANALO III	0.00
KUOU I	1.51
KUOU II	0.16
KUOU III	0.74
LULUKU	0.83
HAIKU	0.67
IOLEKAA	0.00
KAHALUU	0.57
KAHANA	1.03
PUNALUU I	0.00
PUNALUU II	2.03
PUNALUU III	1.16
KALUANUI	1.29
MAAKUA	0.40
HAUULA	0.17
WELLS SUBTOTAL:	11.39
WAIM. TUNNELS I & II	0.00
WAIM. TUNNELS III&IV	0.19
WAIHEE INCL. WELLS	0.39
WAIHEE TUNNEL	4.51
LULUKU TUNNEL	0.23
HAIKU TUNNEL	0.28
KAHALUU TUNNEL	1.56
GRAVITY SUBTOTAL:	7.16
WIND. SUBTOTAL:	18.54

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.39
OPANA	0.99
WAIALEE I	0.15
WAIALEE II	0.46
HALEIWA	0.00
WAIALUA	1.86
N.SHORE SUBTOTAL:	3.86

STATION	MGD
MILILANI (4)	
MILILANI I	3.59
MILILANI II	0.00
MILILANI III	0.70
MILILANI IV	0.21
MILILANI SUBTOTAL:	4.50

STATION	MGD
WAHIAWA (5)	
WAHIAWA	0.00
WAHIAWA II	3.23
WAHIAWA SUBTOTAL:	3.23

STATION	MGD
PEARL CITY-HALAWA (6)	
HALAWA 277	0.00
HALAWA 550	0.00
AIEA	0.00
AIEA GULCH 497	0.00
AIEA GULCH 550	0.21
KAONOHI I	1.99
WAIMALU I	0.00
NEWTOWN	1.91
WAIJU	1.96
PEARL CITY I	0.77
PEARL CITY II	1.08
PEARL CITY III	0.22
PEARL CITY SHAFT	0.97
PEARL CITY-HALAWA SUBTOTAL:	9.10

STATION	MGD
WAIPAHA-EWA (7)	
WAIPIO HTS.	1.95
WAIPIO HTS. I	0.00
WAIPIO HTS. II	0.26
WAIPIO HTS. III	1.37
WAIPAHA	6.65
WAIPAHA II	2.08
WAIPAHA III	3.22
WAIPAHA IV	3.02
KUNIA I	6.24
KUNIA II	1.90
KUNIA III	1.34
HOAEAE	7.24
HONOULIULI I	0.00
HONOULIULI II	5.57
MAKAKILO	0.03
WAIPAHA-EWA SUBTOTAL:	40.86

STATION	MGD
WAIANA (8)	
MAKAHA I	0.79
MAKAHA II	0.00
MAKAHA III	0.97
MAKAHA V	0.35
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.06
WAIANA I	0.00
WAIANA II	0.32
WAIANA III	0.53
WELLS SUBTOTAL:	3.03
WAI. C&C TUNNEL	1.40
WAI. PLANT. TUNNELS	0.07
GRAVITY SUBTOTAL:	1.47
WAIANA SUBTOTAL:	4.49

NONPOTABLE

NONPOTABLE	MGD
KALAUAO SPRINGS	0.46
BARBERS POINT WELL	1.46
GLOVER TUNNEL NP	0.29
NONPOTABLE TOTAL:	2.21

RECYCLED WATER (JULY 2024)

RECYCLED WATER	MGD
HONOULIULI WRF R-1	7.54
HONOULIULI WRF RO	1.45
RECYCLED TOTAL:	8.99

**PRODUCTION, HEAD AND RAINFALL REPORT
MONTH OF AUGUST 2024**

PRODUCTION SUMMARIES

TOTAL WATER	MGD
PUMPAGE	137.76
GRAVITY	8.79
POTABLE TOTAL:	146.55
NONPOTABLE	2.21
RECYCLED WATER	8.99
TOTAL WATER:	157.75

CWRM PERMITTED USE AND BWS ASSESSED YIELDS FOR BWS POTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE/ BWS YLDS	AUG 2024	DIFF. A-B
1	HONOLULU	83.32	61.80	21.52
2	WINDWARD	25.02	18.54	6.48
3	NORTH SHORE	4.70	3.86	0.84
4	MILILANI	7.53	4.50	3.03
5	WAHIAWA	4.27	3.23	1.04
6	PEARL CITY-HALAWA	12.25	9.10	3.15
7	WAIPAHU-EWA	50.63	40.86	9.77
8	WAIANAE	4.34	4.49	-0.15
TOTAL:		192.06	146.38	45.67

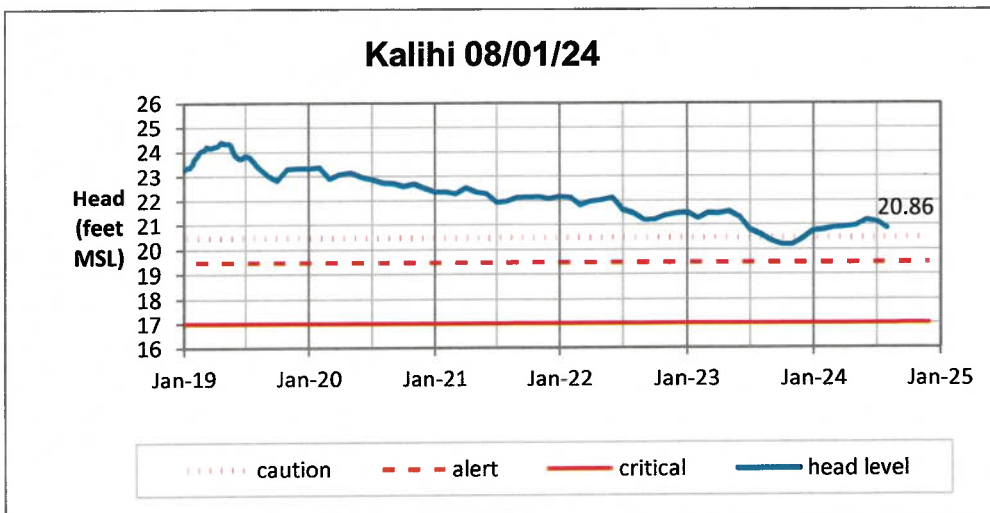
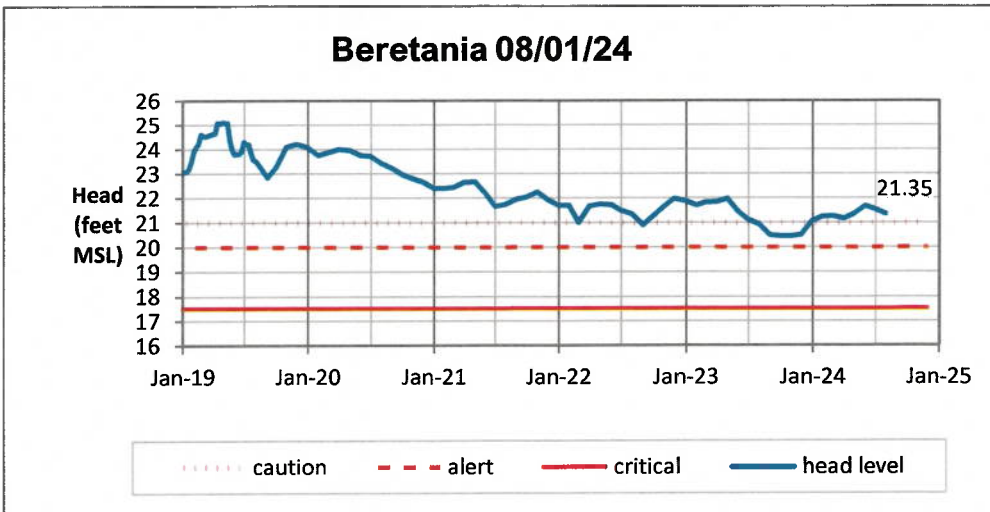
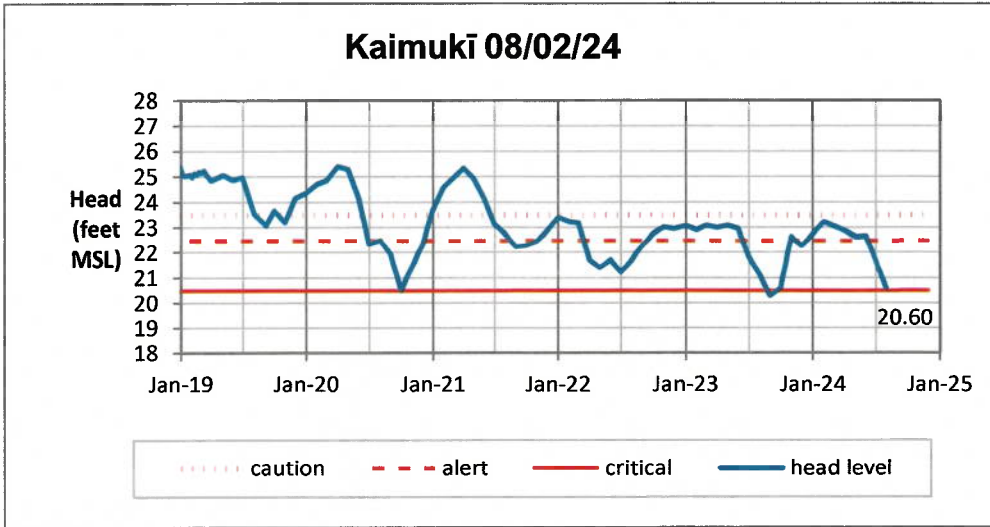
CWRM PERMITTED USE FOR BWS NONPOTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE	AUG 2024	DIFF. A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.46	-0.46
TOTAL:		1.00	1.46	-0.46

EFFECTIVE WATER DEMAND PER DISTRICT

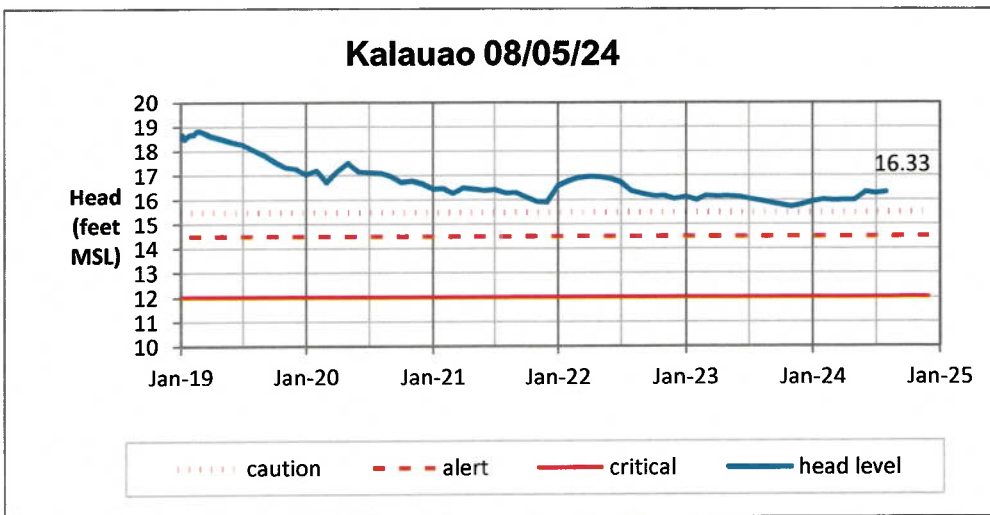
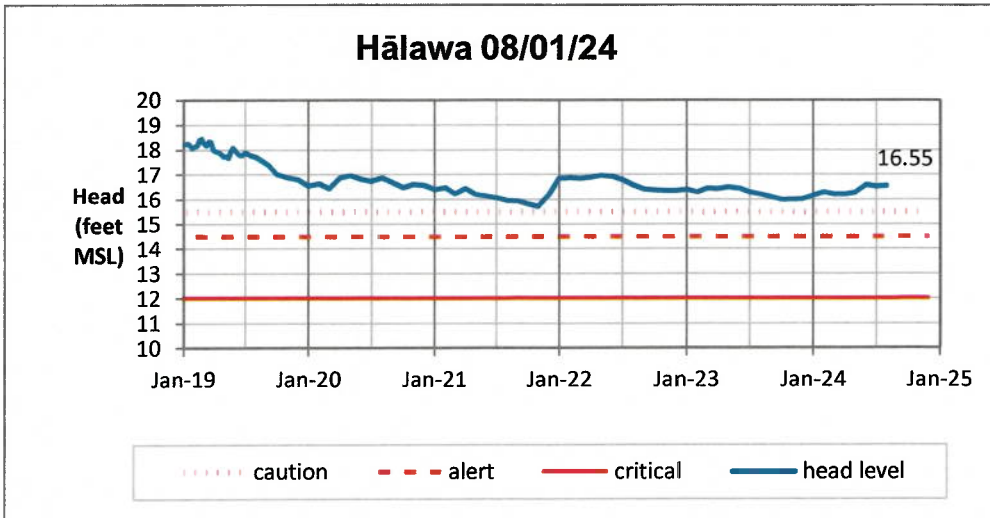
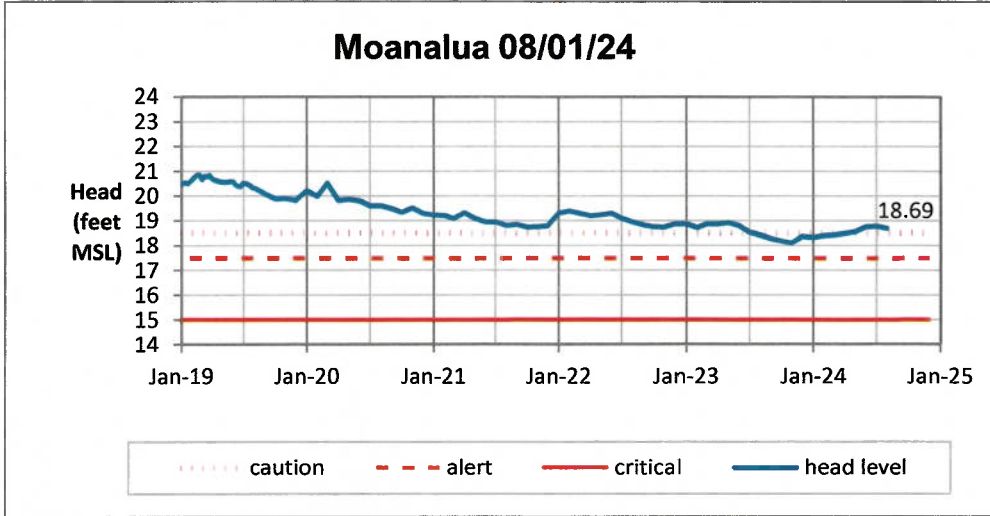
IMPORT/EXPORT BETWEEN WATER USE DISTRICTS			
FROM	TO		MGD
2	1	WINDWARD EXPORT	0.14
7	8	BARBERS PT LB	6.10

WATER USE DISTRICTS		SUBTOTAL	IMPORT	EXPORT	EFFECTIVE WATER DEMAND
1	HONOLULU	61.97	0.14	-	62.11
2	WINDWARD	18.54	-	0.14	18.40
3	NORTH SHORE	3.86	-	-	3.86
4	MILILANI	4.50	-	-	4.50
5	WAHIAWA	3.23	-	-	3.23
6	PEARL CITY-HALAWA	9.10	-	-	9.10
7	WAIPAHU-EWA	40.86	-	6.10	34.76
8	WAIANAE	4.49	6.10	-	10.60
TOTAL:		146.55	6.24	6.24	146.55

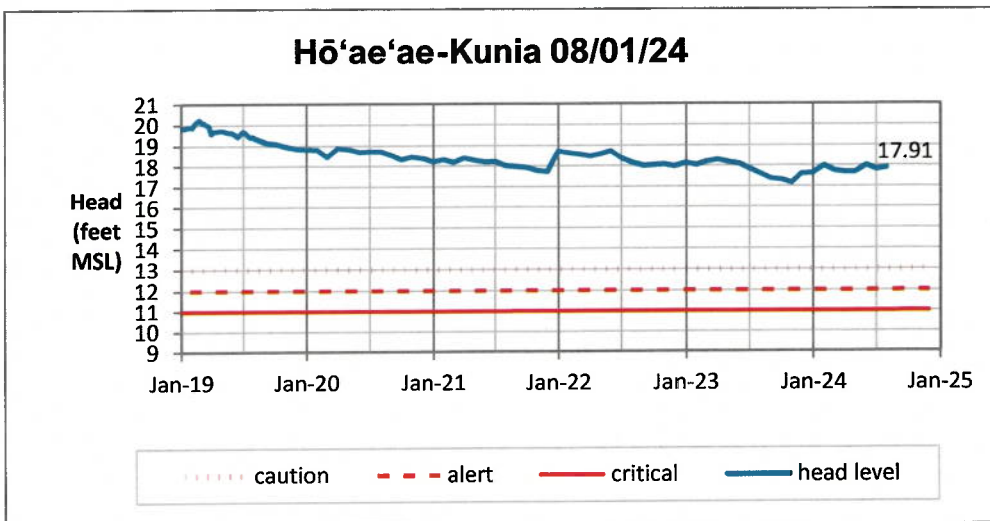
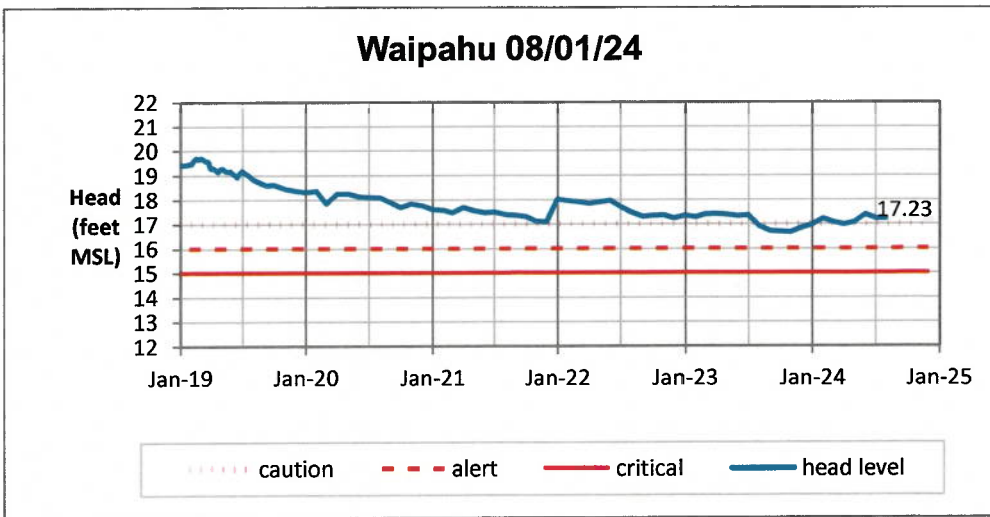
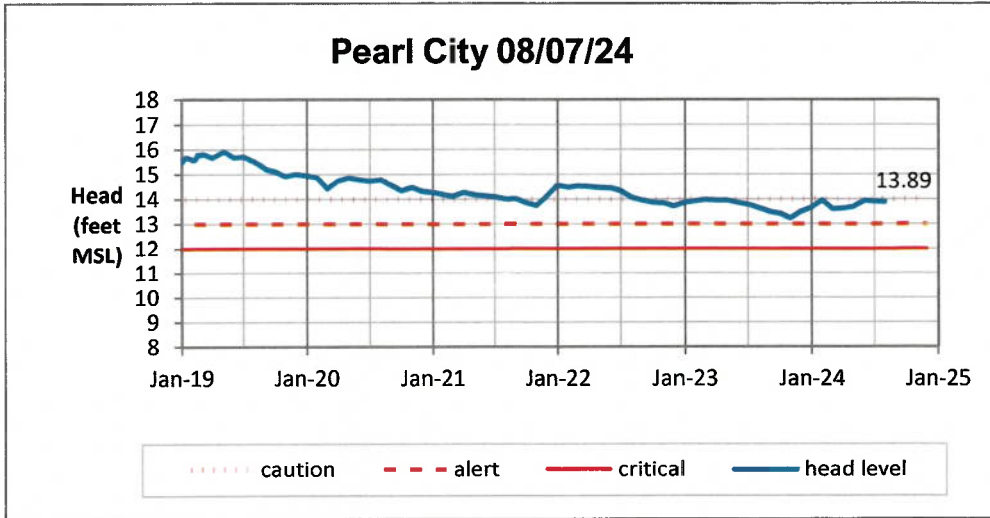
Head Report



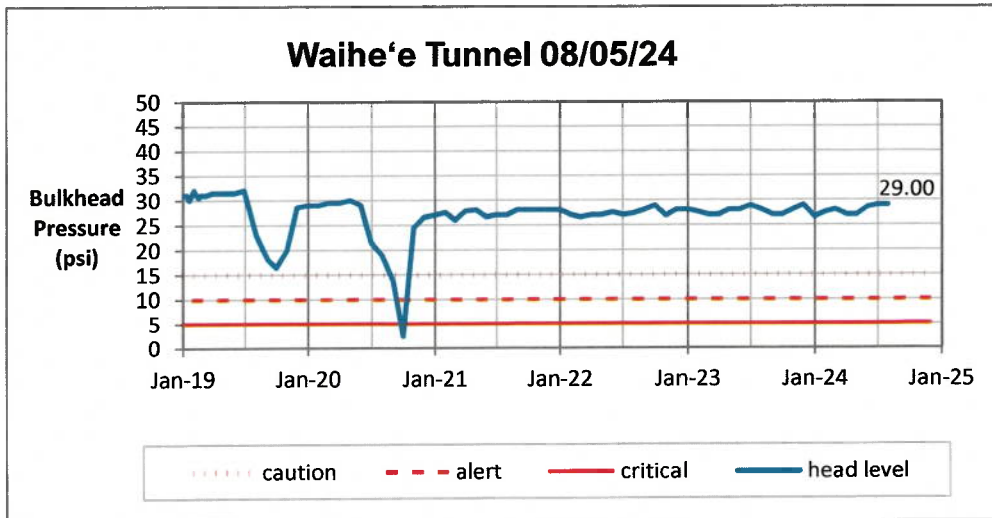
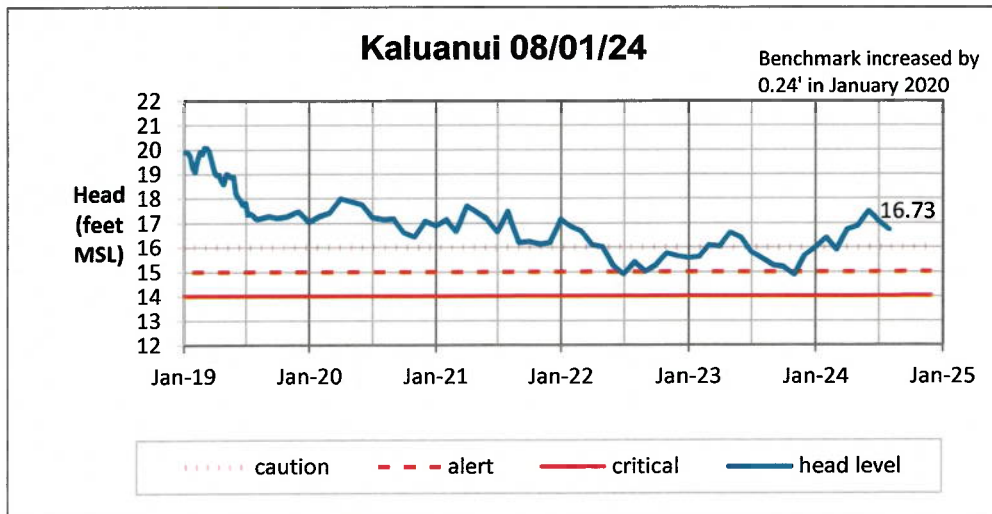
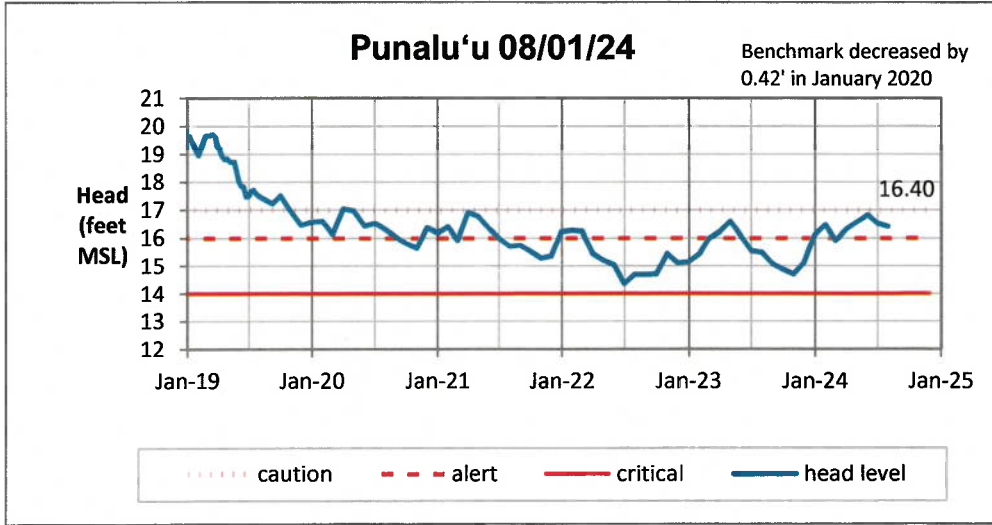
Head Report



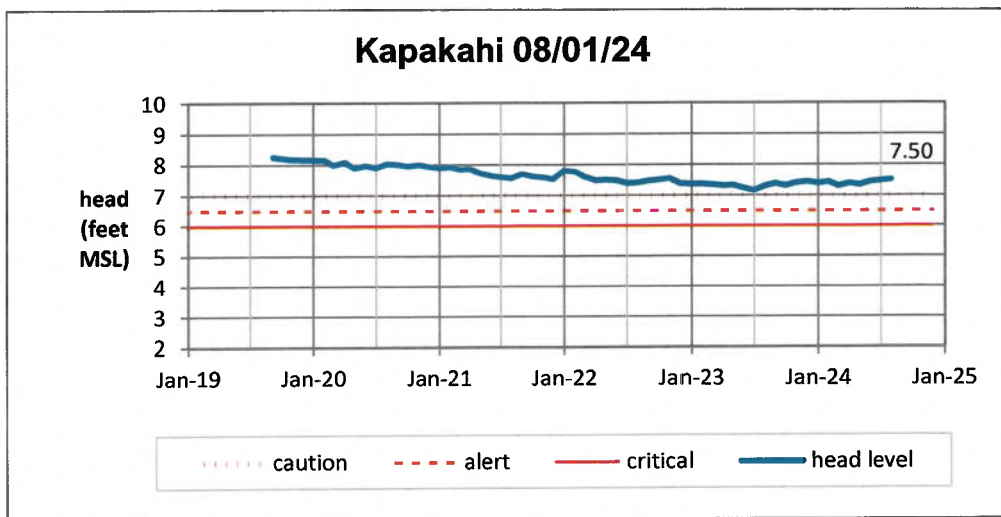
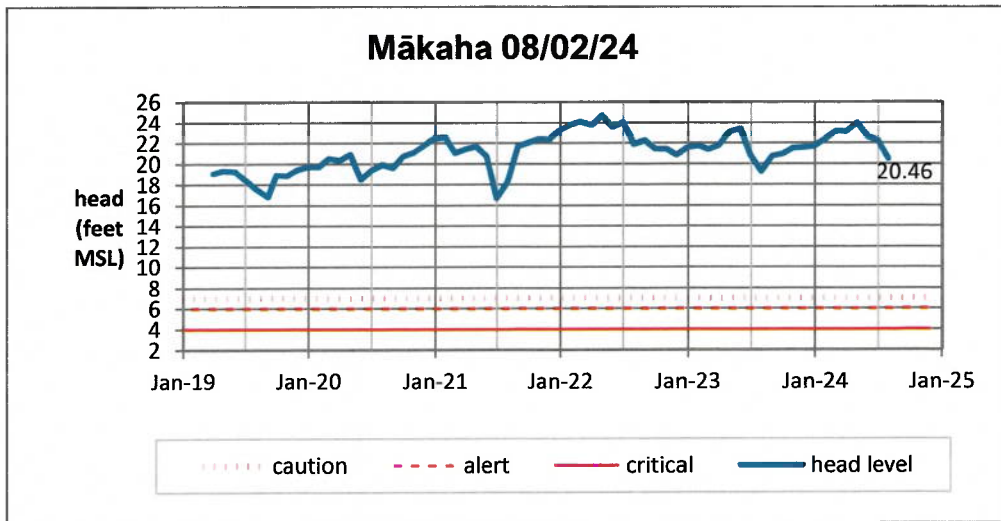
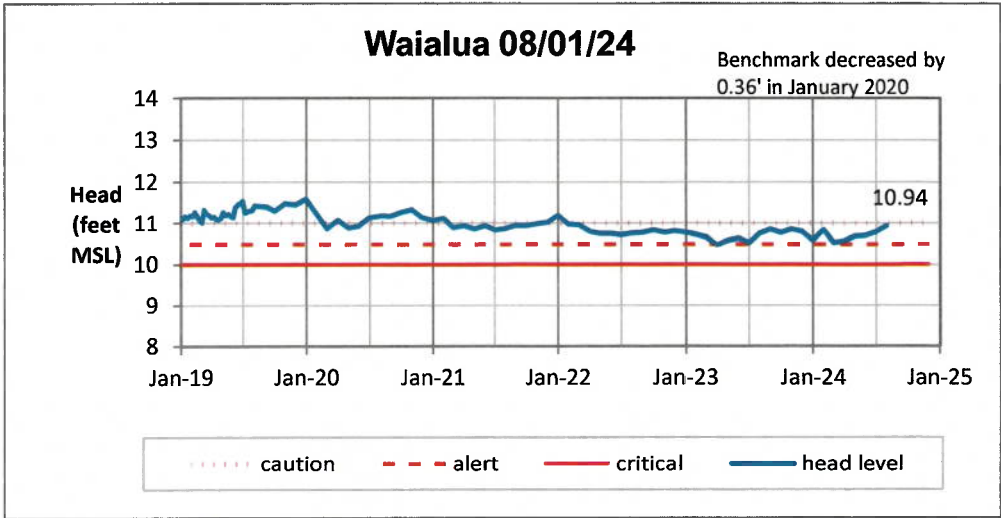
Head Report

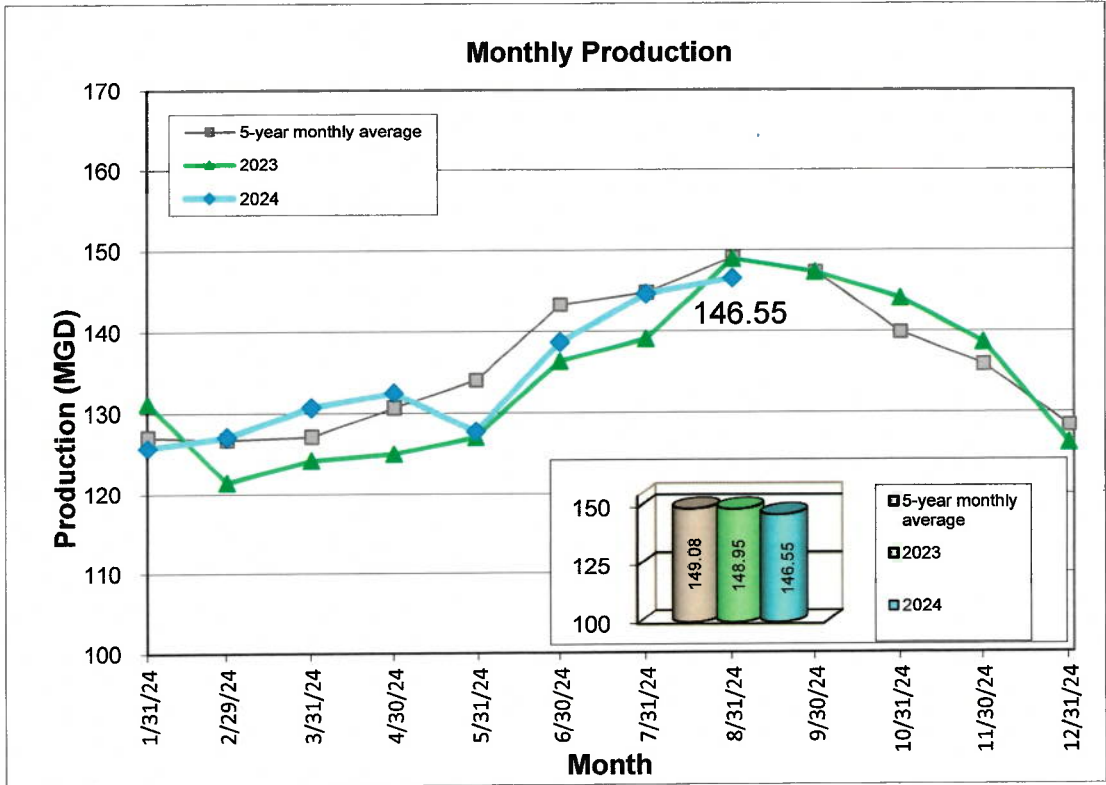
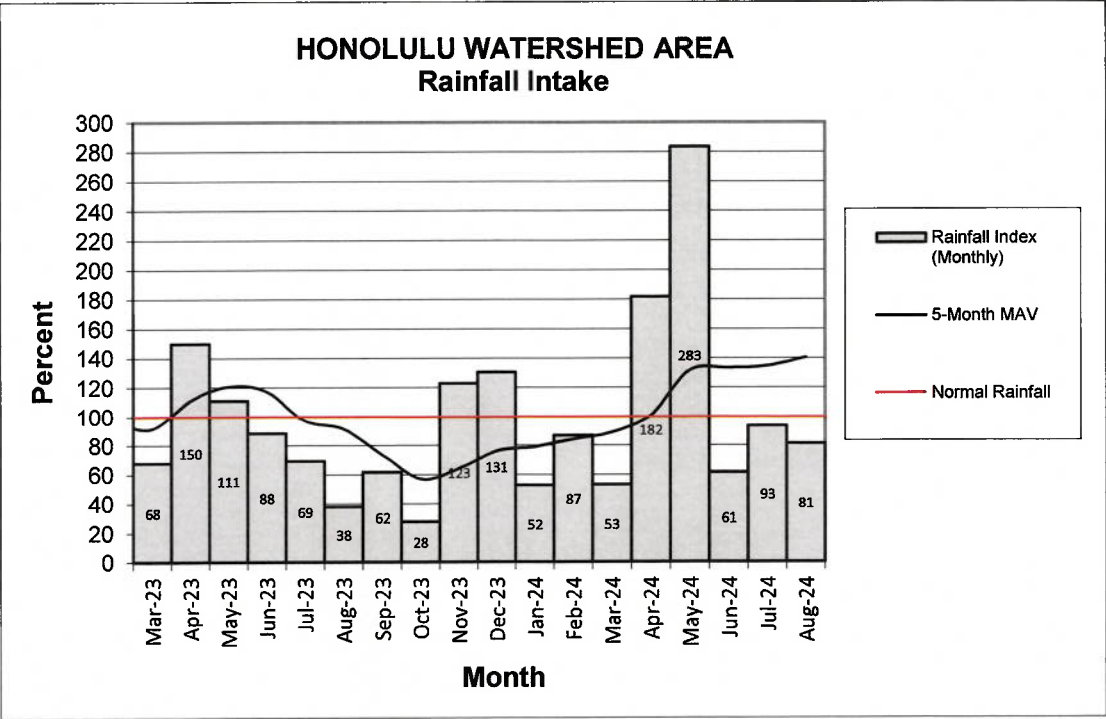


Head Report



Head Report





ITEM FOR INFORMATION NO. 7

"September 23, 2024

WATER MAIN
REPAIR
REPORT FOR
AUGUST 2024

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawai'i 96843

Chair and Members:

Subject: Water Main Repair Report for August 2024

Wayne Tello, Acting Program Administrator, Field Operations Division,
will report on water main repair work for the month of August 2024.

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

Wayne Tello, Acting Program Administrator, Field Operations Division,
gave the report.

Manager Lau pointed out that the Points of Interest continue to move in
an upward trend as the Leak Detection Team finds more leaks, led by the
Employee of the Year, Mr. Brian Chung.

Chair Anthony stated it is great to meet the individuals behind all the work
and thanked the Leak Detection Team.

At 4:14 PM, Chair Anthony called for a recess.

At 4:20 PM, Chair Anthony called the meeting back to order.

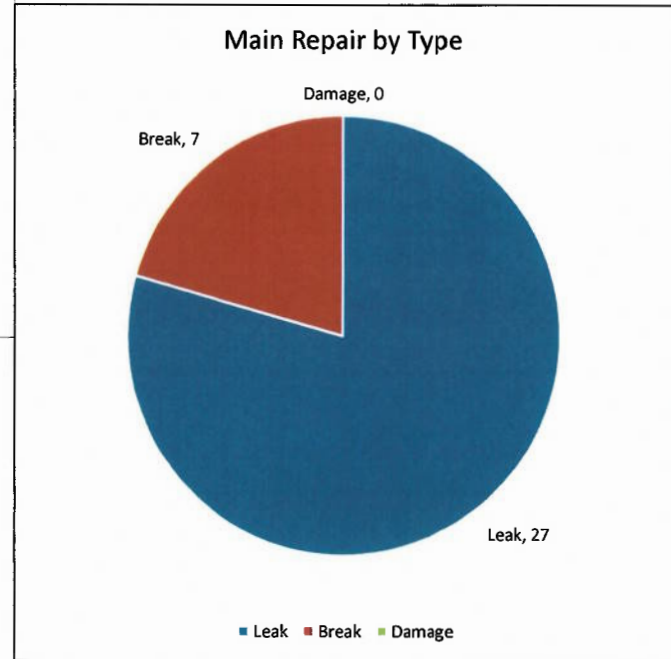
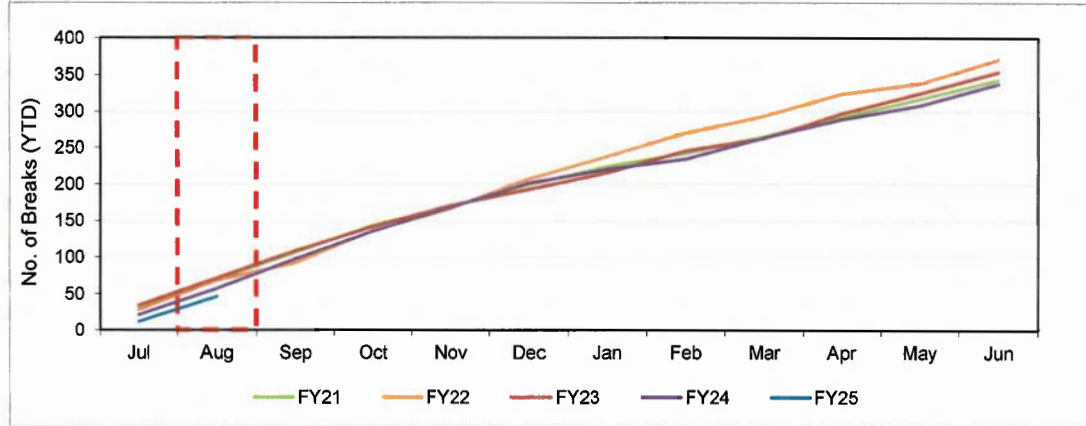
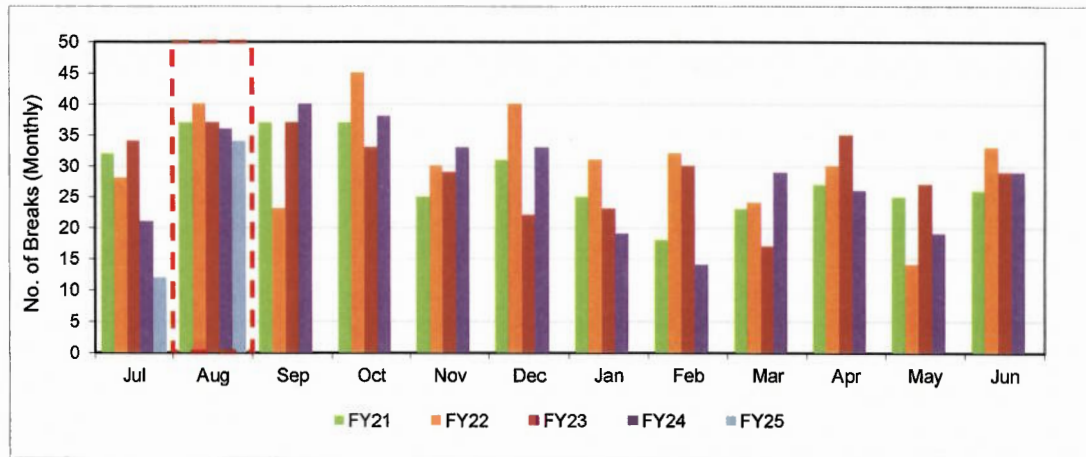
**WATER MAIN REPAIR REPORT
for August 2024**

Monthly Main Breaks

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2025	12	34	--	--	--	--	--	--	--	--	--	--	46
2024	21	36	40	38	33	33	19	14	29	26	19	29	337
2023	34	37	37	33	29	22	23	30	17	35	27	29	353
2022	28	40	23	45	30	40	31	32	24	30	14	33	370
2021	32	37	37	37	25	31	25	18	23	27	25	26	343

Main Repair by Type

Type	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
Leak	4	27	--	--	--	--	--	--	--	--	--	--	31
Break	7	7	--	--	--	--	--	--	--	--	--	--	14
Damage	1	0	--	--	--	--	--	--	--	--	--	--	1
Total	12	34	0	0	0	0	0	0	0	0	0	0	46



Date	Address	Size (In)	Pipe Type	Date	Address	Size (In)	Pipe Type
8/4/2024	2502 Rooke Ave, Honolulu	8	DI	8/28/2024	4542 Aukai Ave, Honolulu	8	CI
8/7/2024	91-410 Pupu St, Ewa Beach	8	CI	8/29/2024	1305 Kalakaua Ave, Honolulu	8	CI
8/7/2024	1218 Pihana St, Honolulu	8	CI	8/30/2024	4741 Kahala Ave, Honolulu	8	CI
8/7/2024	307D Kamani St, Honolulu	8	CI	8/30/2024	704 Hoomoe St, Pearl City	8	CI
8/7/2024	2723 Nihi St, Honolulu	4	PVC	8/30/2024	91-592 Pupu St, Ewa Beach	8	CI
8/8/2024	1222 Pihana St, Honolulu	8	CI	8/30/2024	141 Hoahana Pl, Honolulu	4	DI
8/8/2024	2336 Palolo Ave, Honolulu	8	CI	8/31/2024	3553 Maunalei Ave, Honolulu	6	CI
8/8/2024	2723 Nihi St, Honolulu	8	PVC				
8/9/2024	982 Hao St, Honolulu	8	CI				
8/9/2024	273 Iliha St, Kailua	12	AC				
8/12/2024	1511 Kalaniuka Pl, Honolulu	8	DI				
8/15/2024	3370 Likini St, Honolulu	6	CI				
8/19/2024	91-477 Fort Weaver Rd, Ewa Beach	8	CI				
8/20/2024	41-565 Hihimanu St, Waimanalo	6	CI				
8/21/2024	164 Goodale Ave, Waialua	8	CI				
8/21/2024	939 Ahuwale Pl, Honolulu	8	CI				
8/21/2024	2491 Halekoa Dr, Honolulu	8	CI				
8/24/2024	2058 Ala Mahamoe St, Honolulu	8	CI				
8/24/2024	254 Moomuku Pl, Honolulu	8	CI				
8/25/2024	67-021 Kaimanu Pl, Waialua	8	CI				
8/26/2024	818 Wiliwili St, Honolulu	6	CI				
8/26/2024	904 Hokulani St, Honolulu	8	CI				
8/27/2024	45-664 Loihi St, Kaneohe	4	CI				
8/27/2024	94-1014 Ka Uka Blvd, Waipahu	12	PVC				
8/27/2024	45-623 Keahala Rd, Kaneohe	16	CI				
8/27/2024	98-1668 Hoomaike St, Pearl City	8	CI				
8/28/2024	98-107 Kaliike Pl, Aiea	6	CI				

LEAK DETECTION for August 2024

POIs Investigated

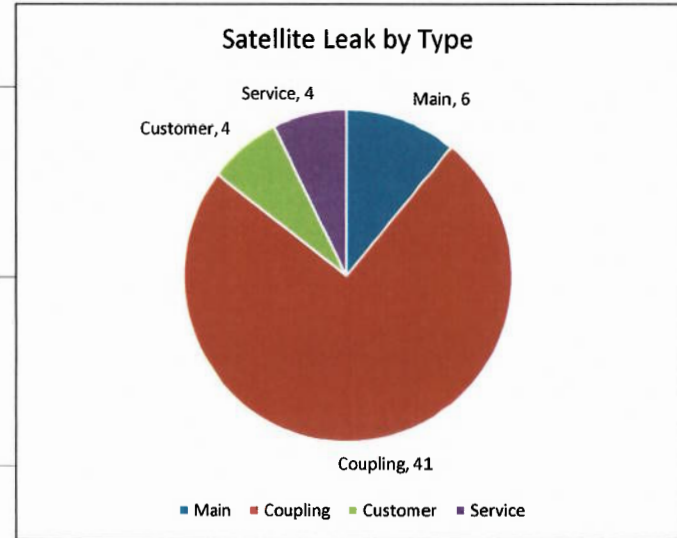
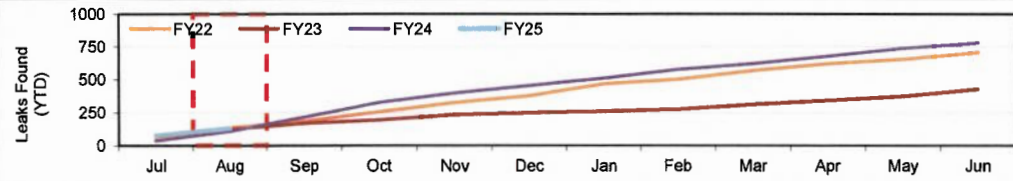
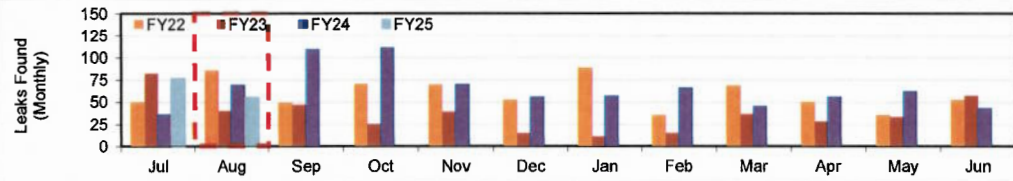
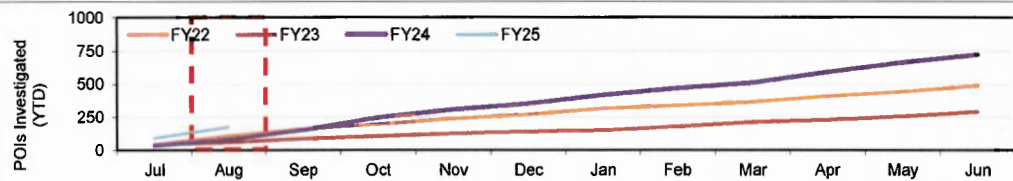
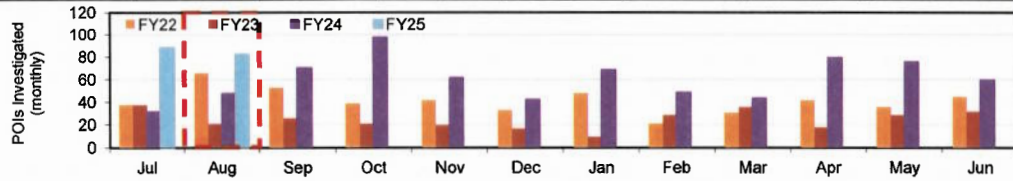
FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2025	88	82	--	--	--	--	--	--	--	--	--	--	170
2024	31	47	70	97	61	42	68	48	43	79	75	59	720
2023	37	20	25	20	19	16	9	28	35	17	28	31	285
2022	37	65	52	38	41	32	47	20	30	41	35	44	482

Leaks Found

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2025	76	55	--	--	--	--	--	--	--	--	--	--	131
2024	36	69	109	111	70	56	57	66	45	56	62	43	780
2023	82	40	47	25	39	15	11	15	36	28	33	57	428
2022	50	85	49	70	69	52	88	35	68	50	35	52	703

Satellite Leak by Type

Type	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
Main	8	6	--	--	--	--	--	--	--	--	--	--	14
Coupling	62	41	--	--	--	--	--	--	--	--	--	--	103
Customer	3	4	--	--	--	--	--	--	--	--	--	--	7
Service	3	4	--	--	--	--	--	--	--	--	--	--	7
Total	76	55	0	0	0	0	0	0	0	0	0	0	131



MOTION TO RECESS INTO EXECUTIVE SESSION

There being no further business, Chair Anthony, at 4:21 PM, called for a motion to adjourn the Open Session. Gene Albano so moved; seconded by Edwin Sniffen and unanimously carried.

Upon unanimous approved motion, the Board recessed into Executive Session Pursuant to [HRS § 92-5 (a)(4)] at 4:22 PM to Consider Issues Pertaining to Matters Posted for Discussion at an Executive Session.

OPEN SESSION

The Board reconvened in Open Session at 6:19 PM.

MOTION TO ADJOURN

There being no further business, Chair Anthony, at 6:21 PM, called for a motion to adjourn the Public Hearing and Regular Session. Edwin Sniffen so moved, seconded by Jonathan Kaneshiro, and unanimously carried.

The minutes of the Public Hearing and Regular Meeting held on September 23, 2024, are respectfully submitted,


 JOY CRUZ-ACHIU

APPROVED:


 NĀ'ĀLEHU ANTHONY
 Chair of the Board
 OCT 28 2024

Date

THE MINUTES OF THE PUBLIC HEARING AND REGULAR MEETING HELD ON SEPTEMBER 23, 2024, WERE APPROVED AT THE OCTOBER 28, 2024, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
KAPUA SPROAT			ABSENT
BRYAN P. ANDAYA	X		
LANCE WILHELM	X		
EDWIN H. SNIFFEN			ABSENT
GENE C. ALBANO	X		