

**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

RICK BLANGIARDI
MAYOR
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
BRYAN P. ANDAYA
LANCE WILHELM
KĒHAULANI PU'U
EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO, P.E., Ex-Officio

June 17, 2025

NOTICE

The Board of Water Supply, City and County of Honolulu, Regular Meeting will be held on Tuesday, June 23, 2025, 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, June 23, 2025, 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, June 20, 2025, 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, June 23, 2025:
 - 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 June 23, 2025, Regular Meeting of the Board of Water Supply is as follows:

ITEMS REQUIRING BOARD ACTION

1. Approval of the Minutes of the Public Hearing and Regular Meeting Held on May 27, 2025
2. Election of the Chair and Vice Chair of the Board of Water Supply Beginning July 1, 2025
3. Adoption of Resolution No. 1000, 2025, Authorizing Up to \$100,000,000 Principal Amount of Series 2025 State Revolving Fund Water System Revenue Loans
4. To Determine the Role of the Board in Staffing and Succession Planning and Creation of a Permitted Interaction Group Pursuant to HRS §92-2.5(b)

ITEMS FOR INFORMATION

1. Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination
2. Water System Revenue Bonds – Compliance with Rate Covenant
3. Status Update of Groundwater Levels at All Index Stations
4. Water Main Repair Report for May 2025

EXECUTIVE SESSION

1. Approval of the Minutes of the Executive Session Meeting Held on May 27, 2025
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/june-23-2025>. Closed captioning is available.

THE REGULAR MEETING OF THE BOARD OF WATER SUPPLY

June 23, 2025

At 2:00 PM on June 23, 2025, in the Public Service Building Board Room at 630 South Beretania Street, Honolulu, Hawai'i, Chair Nā'ālehu Anthony called to order the Regular Meeting.

Present: Nā'ālehu Anthony, Chair via Zoom
Bryan P. Andaya, Board Member
Lance Wilhelm, Board Member
Kēhaulani Pu'u, Board Member via Zoom
Edwin H. Sniffen, Ex-Officio
Gene Albano, Ex-Officio

Also Present: Ernest Lau, Manager and Chief Engineer
Erwin Kawata, Deputy Manager
Patrick Chun, Acting Program Administrator,
Capital Projects Division
Jewel Pharms, Assistant Program Administrator,
Customer Care
Kathleen Elliott-Pahinui, Information Officer,
Communications Office
Raelynn Nakabayashi, Executive Assistant I,
Executive Support Office
Wayne Tello, Acting Program Administrator,
Field Operations Division
Leanne Matsumoto, Waterworks Controller,
Finance Division
Michele Thomas, Executive Assistant I,
Human Resources Office via Vimeo
Henderson Nu'uhiwa, Program Administrator,
Information Technology Division
via Vimeo
Michael Matsuo, Land Administrator, Land Division
Kirk Iwamoto, Water Quality Laboratory Director,
Water Quality Division
Barry Usagawa, Program Administrator,
Water Resources Division
Pekelo Martin, Acting Program Administrator,
Water System Operations Division
Joyce Lin, Civil Engineer IV, Office of the Manager
and Chief Engineer
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

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

Absent: Jonathan Kaneshiro, Vice Chair

Chair Nā'ālehu Anthony opened the Board meeting with an 'olelo 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 a me ka 'aina kekahi.

Chair Anthony translated the 'olelo 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 #1924: Ku pākū ka pali o Nihoa i ka makani.

Chair Anthony translated 'ōlelo 1924: The cliff of Nihoa stands as a resistance against the wind.
Said of one who stands bravely in the face of adversity.

Chair Anthony welcomed everyone to the June 23, 2025, 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 play to share reminders for public participation and 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 on how 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 upon responding.

Chair Nā'ālehu Anthony announced that he was the only Board Member joining via Zoom and disclosed that he was alone at his location. In the Board room: Board Member Bryan Andaya, here; Board Member Edwin Sniffen, here; and Board Member Gene Albano, here. Vice Chair Jonathan Kaneshiro was excused, and Board Members Lance Wilhelm and Kēhaulani Pu'u would join as soon as possible.

REGULAR MEETING

APPROVAL OF MINUTES

Approval of the Minutes of the Public Hearing and Regular Meeting Held May 27, 2025.

MOTION TO APPROVE

Gene Albano and Bryan Andaya motioned and seconded, respectively, to approve the Minutes of the Public Hearing and Regular Meeting Held on May 27, 2025.

Ms. Cruz-Achui conducted a roll call: Board Member Bryan Andaya, aye; Board Member Edwin Sniffen, aye; Board Member Gene Albano, aye; and Chair Nā'ālehu Anthony, aye. Ms. Cruz-Achui announced that the motion passed with four ayes.

THE MINUTES OF THE PUBLIC HEARING AND REGULAR MEETING HELD ON MAY 27, 2025, WERE APPROVED AT THE JUNE 23, 2025, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO			ABSENT
BRYAN P. ANDAYA	X		
LANCE WILHELM			ABSENT
KĒHAULANI PU'U			ABSENT
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

"June 23, 2025

ELECTION OF
THE CHAIR AND
VICE CHAIR
OF THE BOARD
OF WATER
SUPPLY
BEGINNING
JULY 1, 2025

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

Chair and Members:

Subject: Election of the Chair and Vice Chair of the Board of Water
Supply Beginning July 1, 2025

The Bylaws of the Board of Water Supply provide that the Chair and Vice Chair of the Board shall be elected annually from among and by the appointed members of the Board.

Accordingly, election of the Chair and Vice Chair of the Board for the ensuing year commencing July 1, 2025, is on the agenda for this June 23, 2025 regular meeting.

Respectfully Submitted,

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

Attachment"

DISCUSSION: Ernest Lau, Manager and Chief Engineer of the Honolulu Board of Water Supply, gave the report. There were no comments or discussion.

NOMINATION
AND MOTION Board Member Edwin Sniffen nominated Nā'ālehu Anthony to continue as Chair.

Board Member Sniffen amended his nomination and nominated that Nā'ālehu Anthony continue as Chair and Jonathan Kaneshiro to continue as Vice Chair.

Chair Anthony shared that he had discussed the election of Chair and Vice Chair, as well as the possibility of being nominated, with Vice Chair Jonathan Kaneshiro. According to text communications, Chair Nā'ālehu shared that Vice Chair Kaneshiro would accept with the Board's support.

Gene Albano and Edwin Sniffen motioned and seconded the nomination of the Chair and Vice Chair.

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

NĀ'ĀLEHU ANTHONY WAS ELECTED AS CHAIR, AND JONATHAN KANESHIRO WAS ELECTED VICE CHAIR OF THE BOARD OF WATER SUPPLY BEGINNING JULY 1, 2025, TO JUNE 30, 2026, WAS ADOPTED ON JUNE 23, 2025

	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO			ABSENT
BRYAN P. ANDAYA	X		
LANCE WILHELM			ABSENT
KĒHAULANI PU'U			ABSENT
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

"June 23, 2025

ADOPTION OF
RESOLUTION NO.
1000, 2025,
AUTHORIZING UP
TO \$100,000,000
PRINCIPAL
AMOUNT OF
SERIEIS 2025
STATE
REVOLVING
FUND WATER
SYSTEM
REVENUE
LOANS

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

Chair and Members:

Subject: Adoption of Resolution No. 1000, 2025, Authorizing Up to
\$100,000,000 Principal Amount of Series 2025 State
Revolving Fund Water System Revenue Loans

The State Revolving Fund (SRF) is a program funded by the U.S. Environmental Protection Agency under the Clean Water and Safe Drinking Water Acts. The Board of Water Supply (BWS) has been participating in this program since 2004.

In order to continue participating in the SRF program, the Board will need to authorize additional borrowing.

We recommend adoption of Resolution No. 1000, 2025, authorizing up to \$100,000,000 aggregate principal amount of the BWS SRF Water System Revenue Loans, Series 2025 (Series 2025 Loans).

The Series 2025 Loans provide moneys to pay the costs of improvements to the Water System authorized in the capital budget of the BWS, to make a deposit to an SRF Series Reserve Account if applicable, and to pay costs of issuance of the Series 2025 Loans. The Series 2025 Loans are the eighth series of SRF Loans to be obtained by the BWS from the State Department of Health under and pursuant to the SRF General Resolution. To date, the Board of Water Supply has received \$306,277,497 in SRF Loans.

This resolution will support various capital improvement projects, including:

- 1) Kalihi Water System Improvements, Part VI;
- 2) Wilder Wells Starter Upgrades and Facility Repairs; and
- 3) Mililani Wells II Water Treatment Plant Improvements.

Resolution No. 1000, 2025 further authorizes any Authorized Officer of the BWS, subject to limitations, the power to determine and carry out

certain actions in connection with the issuance and execution of the Series 2025 Loans.

Respectfully Submitted,

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

Attachment”

The foregoing was for information only.

DISCUSSION: Leanne Matsumoto, Waterworks Controller, Finance Division, gave the report. There were no comments or discussion.

At 2:12 PM, Board Member Lance Wilhelm entered the Board room and joined the meeting.

MOTION TO APPROVE Bryan Andaya and Gene Albano motioned and seconded, respectively, the Adoption of Resolution No. 1000, 2025, Authorizing Up to \$100,000,000 Principal Amount of Series 2025 State Revolving Fund Water System Revenue Loans.

Ms. Cruz-Achiu conducted a roll call: 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 five ayes. Vice Chair Jonathan Kaneshiro and Board Members Kēhaulani Pu’u were absent.

ADOPTION OF RESOLUTION NO. 1000, 2025, AUTHORIZING UP TO \$100,000,000 PRINCIPAL AMOUNT OF SERIES 2025 STATE REVOLVING FUND WATER SYSTEM REVENUE LOANS WAS ADOPTED ON JUNE 23, 2025, BOARD MEETING			
	AYE	NO	COMMENT
NĀ’ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO			ABSENT
BRYAN P. ANDAYA	X		
LANCE WILHELM	X		
KĒHAULANI PU’U			ABSENT
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

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

**STATE REVOLVING FUND
WATER SYSTEM REVENUE LOAN
SERIES 2025 RESOLUTION NO. 1000, SERIES 2025 LOAN**

**AUTHORIZING UP TO
\$100,000,000 PRINCIPAL AMOUNT OF SERIES 2025 LOANS**

ADOPTED JUNE 23, 2025

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STATE REVOLVING FUND
WATER SYSTEM REVENUE LOAN
SERIES 2025 RESOLUTION NO. 1000, 2025

AUTHORIZING UP TO
\$100,000,000 PRINCIPAL AMOUNT OF SERIES 2025 LOANS

BE IT RESOLVED by the Board of Water Supply of the City and County of Honolulu, Hawaii (the "Board"), as follows:

ARTICLE I

DEFINITIONS AND STATUTORY AUTHORITY

Section 1.01. Series 2025 Resolution; Findings and Determination. (1) This State Revolving Fund Water System Revenue Loan Series 2025 Resolution authorizing up to \$100,000,000 principal amount of Series 2025 Loans is supplemental to, and constitutes a Series Resolution within the meaning of and is adopted in accordance with Article IX of, the Resolution, as hereinafter defined.

(2) It is hereby found and determined by the Board that it is necessary and desirable that the Board obtain from the Department of Health at this time one or more Loans to be designated as provided herein to provide monies to carry out one or more purposes of the Board.

Section 1.02. Definitions. (1) All terms which are defined in Section 1.01 of the Resolution shall have the same meanings, respectively, in this Series 2025 Resolution as such terms are given in said Section 1.01 of the Resolution.

(2) In addition, as used in this Series 2025 Resolution, unless the context shall otherwise require, the following terms shall have the following respective meanings:

"Resolution" means that certain resolution adopted by the Board on February 23, 2004 entitled "A Resolution Authorizing and Providing for State Revolving Fund Loans to be Obtained from time to time from the State of Hawaii Department of Health by the Board of Water Supply of the City and County of Honolulu, Hawaii, for the Purposes of the Water System of the City and County; Covenanting as to Establishment, Maintenance, Revision and Collection of Charges and Rates for the Use and Services of the Water System and the Collection and Disbursement of Revenues Derived therefrom; Pledging on a Junior and Subordinate Basis the Net Revenues Derived from the Water System to the Payment of the Principal of and Interest on such Loans as the same Fall Due; Creating and Establishing Certain Funds and Accounts; Setting Forth the Limitations or Conditions upon the Obtaining of Additional Loans Payable from such Revenues and Making Other Covenants and Agreements in connection with the Foregoing" as amended and supplemented.

"Series 2025 Loans" mean the Loans authorized by Article II of this Series 2025 Resolution.

“Series 2025 Project” means the Improvements authorized in the capital budget of the Board and identified in one or more SRF Series 2025 Loan Agreements to be financed.

“Series 2025 Resolution” means this State Revolving Fund Water System Revenue Loan Series 2025 Resolution authorizing up to \$100,000,000 principal amount of the Series 2025 Loans.

“SRF Series 2025 Loan Agreements” means one or more interim and final Loan Agreements to be entered into between the Department of Health and the Board pursuant to which the Department of Health is to make one or more loans to the Board and the Board is to obtain one or more of such loans from the Department of Health to finance the Improvements identified therein constituting a part of the Series 2025 Project.

(3) Words of any gender shall be deemed and construed to include correlative words of the other genders. Unless the context shall otherwise indicate, words importing the singular number shall include the plural number and vice versa, and words importing persons shall include firms, associations and corporations, including public bodies, as well as natural persons.

(4) The terms “hereby”, “hereof”, “hereto”, “herein”, “hereunder”, and any similar terms, as used in this Series 2025 Resolution, refer to this Series 2025 Resolution.

Section 1.03. Authority for the Series 2025 Resolution. This Series 2025 Resolution is adopted pursuant to the provisions of the Act and the Resolution.

ARTICLE II

AUTHORIZATION, TERMS AND OBTAINING OF SERIES 2025 LOANS

Section 2.01. Authorization of Series 2025 Loans, Principal Amount, Designation and Title. One or more Loans (collectively, the “Series 2025 Loans”) entitled to the benefit, protection and security of the Resolution is hereby authorized to be obtained from the Department of Health in an aggregate principal amount not to exceed \$100,000,000. The Series 2025 Loans may be initially obtained on different dates; provided that no Series 2025 Loan shall be obtained later than six years from the date of adoption of this Series 2025 Resolution. For purposes of this Series 2025 Resolution, a Series 2025 Loan is obtained when the Board receives money from the Department of Health and the amount of the Series 2025 Loan is the actual amount that the Board receives.

Section 2.02. Purposes. The purposes for which the Series 2025 Loans are being issued are (1) to pay the Costs of Improvements constituting the Series 2025 Project; and (2) to pay the costs of obtaining of the Series 2025 Loans.

Section 2.03. Delegation of Authority. (1) There is hereby delegated to any Authorized Officer of the Board, subject to the limitations contained herein and in the Resolution and the Act, the power with respect to the Series 2025 Loans to determine and carry out the following:

(a) The terms and provisions of each Series 2025 Loan to be obtained from the Department of Health to finance the cost of one or more Improvements; *provided, however,* that all terms and provisions shall be in the best interest of the Board and shall carry out the purposes of the Board;

(b) The principal amount and designation and title of each Series 2025 Loan to be obtained; *provided however,* that the principal amount of all Series 2025 Loans shall not exceed \$100,000,000 or, together with other bonds and loans of the Board, any applicable limit approved by the City Council to be issued or obtained by the Board;

(c) The specific Improvements constituting the Series 2025 Project to be financed from the proceeds of the Series 2025 Loans;

(d) The date or dates, maturity date or dates and principal amount of each maturity of each Series 2025 Loans;

(e) The interest rate or rates of each Series 2025 Loan, the date from which interest on such Series 2025 Loan shall accrue, the dates on which interest on such Series 2025 Loan shall be payable, if any; *provided, however,* that the true interest cost (as determined by an Authorized Officer of the Board, which determination shall be conclusive) on the Series 2025 Loans shall not exceed eight percent (8%) per annum;

(f) The Paying Agent or Paying Agents for the Series 2025 Loans and the place or places of payments of the principal, Sinking Fund Installments, if any, prepayment price of and interest on the Series 2025 Loans, if other than the Board;

(g) The prepayment prices, if any, and the prepayment terms, if any, for the Series 2025 Loans, *provided, however,* that the prepayment price of Series 2025 Loans at the election or direction of the Board shall not be greater than one hundred three percent (103%) of the principal amount of the Series 2025 Loans to be prepaid, plus accrued interest thereof to the prepayment date;

(h) Any provisions with respect to funds and accounts and subaccounts therein, if applicable, and the Revenues and application thereof, as provided in Article V of the Resolution;

(i) [reserved];

(j) Directions for the application of the proceeds of each Series 2025 Loan, including the interest on the Series 2025 Loans to be capitalized from the proceeds thereof, if any, and the date or dates to which such capitalized interest shall accrue; and

(k) Any other provisions deemed advisable by an Authorized Officer of the Board, not in conflict with the provisions hereof or of the Resolution.

(2) Such Authorized Officer shall set forth in the Series 2025 Loan Agreements the determinations or other actions taken pursuant to the authority granted herein or in the

Resolution and any such Series 2025 Loan Agreements shall be conclusive evidence of the action or determination of such Authorized Officer as to the matters stated therein.

Section 2.04. Authority to Enter into Series 2025 Loan Agreements. Any Authorized Officer of the Board is hereby authorized to execute, and acknowledge and agree to, one or more Series 2025 Loan Agreements in the name and on behalf of the Board in substantially the form as presented at the meeting at which this Series 2025 Resolution is adopted, which form is hereby approved, with such changes, insertions and omissions as may be approved by such Authorized Officers, such execution and acknowledgement and agreement being conclusive evidence of such approval; provided that no Series 2025 Loan Agreement shall be entered into later than four years from the date of adoption of this Series 2025 Resolution

Section 2.05. Execution of Documents. Any Authorized Officer of the Board is hereby authorized to execute and deliver, in the name and on behalf of the Board, any and all documents and instruments, and to do and cause to be done any and all acts and things, such Authorized Officer deems necessary or advisable in connection with obtaining the Series 2025 Loans from the Department of Health and to carry out the transactions contemplated by this Series 2025 Resolution.

ARTICLE III

APPLICATION OF PROCEEDS

Section 3.01. Application of Proceeds. On the date each Series 2025 Loan is obtained, the proceeds of such Series 2025 Loan shall be applied in accordance with the written direction of any Authorized Officer given pursuant to Section 2.03(1)(j) of this Series 2025 Resolution.

ARTICLE IV

MISCELLANEOUS

Section 4.01. Effectiveness. The Series 2025 Resolution shall become effective immediately upon its adoption.

INTRODUCED BY:




NĀ'ĀLEHU ANTHONY, Chair

Date of Introduction: June 23, 2025

ADOPTION OF RESOLUTION NO. 1000, 2025, AUTHORIZING UP TO \$100,000,000 PRINCIPAL AMOUNT OF SERIES 2025 STATE REVOLVING FUND WATER SYSTEM REVENUE LOANS WAS ADOPTED ON JUNE 23, 2025, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO			ABSENT
BRYAN P. ANDAYA	X		
LANCE WILHELM	X		
KĒHAULANI PU'U			ABSENT
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

The above and foregoing resolution is hereby
approved as to form and legality this
June 23, 2025, Series 2025 Loan.



Deputy Corporation Counsel
City and County of Honolulu
JESSICA Y. WONG

"June 23, 2025

TO DETERMINE
THE ROLE OF
THE BOARD IN
STAFFING AND
SUCCESSION
PLANNING AND
CREATION OF
A PERMITTED
INTERACTION
GROUP PURSUANT
TO SECTION
HRS §92-2.5(b)

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

Chair and Members:

Subject: To Determine the Role of the Board in Staffing and
Succession Planning and Creation of a Permitted
interaction Group Pursuant to HRS § 92-2.5(b)

The BWS continues to face staffing challenges with around 100 vacancies throughout the department. In addition, about 20 percent of the BWS workforce is nearing or at the age to qualify for retirement. Succession planning is critical to ensure that the institutional knowledge and abilities are transferred to the remaining staff. Organizational sustainability is essential for the BWS to be able to carry out its mission of providing safe, dependable, and affordable water now and into the future.

The Board is committed to supporting the department in finding solutions to these challenges and has requested to explore the formation of a Permitted Interaction Group that can work with the department to address this area.

Respectfully submitted,

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

DISCUSSION:

Board Member Gene Albano asked if Chair Anthony or any Board Member who was present at the previous Board meeting would share a summary of what was discussed.

Board Member Lance Wilhelm explained that at the May 27, 2025, Executive Session, the Board discussed the Manager's evaluation and the challenges the BWS has faced with leadership. Therefore, it was determined that a permitted interaction group (PIG) would be the most suitable venue for discussing succession planning. He shared that he volunteered to lead the PIG.

Board Member Bryan Andaya agreed with the summary and supported the creation of a PIG.

Board Member Albano expressed his support for creating a PIG to ensure the legacy of the Manager is sustained.

Board Member Wilhelm recommended Board Member Bryan Andaya to be a part of the PIG.

Board Member Andaya accepted the position as a member of the PIG.

Board Member Albano inquired if there are any issues with having three members in a PIG meeting.

Board Member Andaya replied that it's an exception to the requirement of a PIG.

Board Member Wilhelm stated that a PIG can have a maximum of three Board members.

Board Member Albano agreed to be a participating member of the PIG.

Chair Anthony stated that although Board Member Andaya's term expired, the Board anticipates him to maintain his Board member position until his position is filled. He asked whether it would be reasonable for Board Member Andaya to be designated as a PIG member, given that his term as a Board member is indefinite.

Board Member Andaya responded that he would leave it up to the Board Members to decide whether he could provide any help.

Board Member Albano commented that since Board Member Wilhelm and he are fairly new to the BWS, he recommends that Board Member Andaya, who has years of involvement with the BWS, could be beneficial, even if his term is indefinite.

Board Member Wilhelm stated that he is also willing to take the risk and have Board Member Andaya be part of the PIG, even if his term is indefinite, in hopes of being able to move with urgency to develop a staffing succession plan.

Chair Anthony named Board Members Wilhelm, Andaya, and Albano as the official PIG members.

**MOTION TO
APPROVE**

Edwin Sniffen and Lance Wilhem motioned and seconded, respectively, to determine the role of the Board in staffing and succession planning and creation of the Permitted Interaction Group pursuant to HRS §92-2.5(B).

Ms. Cruz-Achiu conducted a roll call: 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 five ayes. Vice Chair Jonathan Kaneshiro and Board Members Kēhaulani Pu'u were absent.

TO DETERMINE THE ROLE OF THE BOARD IN STAFFING AND SUCCESSION PLANNING AND CREATION OF A PERMITTED INTERACTION GROUP PURSUANT OF HRS §92-2.5(B) WERE APPROVED ON JUNE 23, 2025			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO			ABSENT
BRYAN P. ANDAYA	X		
LANCE WILHELM	X		
KĒHAULANI PU'U			ABSENT
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

Board Member Andaya introduced his family, who were in attendance at the Board meeting in person. His wife, Mary Ann and daughters, Avalyne, who is on break from college in Australia and Alyna.

At 2:24 PM, Chair Anthony recognized Board Member Kēhaulani Pu'u who joined the meeting via Zoom.

Board Member Kēhaulani Pu'u disclosed that she was alone at her location.

ITEM FOR INFORMATION NO. 1

"June 23, 2025

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 shared that the intent of the Red Hill Water Alliance
Initiative (WAI) is to gather everyone who relies on Hawai'i's water
resources. The creation of the Red Hill WAI and the passage of Act 197
allow for both the City and the State to be involved.

Manager Lau expressed his appreciation for Dawn Chang, Chair of the
Department of Land and Natural Resources, for taking responsibility for
leading the Red Hill WAI. The Red Hill WAI will provide various
opportunities, ranging from long-term monitoring to different types of
funding, that will contribute to the cleanup and restoration of water
resources. The Governor, the Mayor, the Chairperson of the City, the
Honolulu City Council, the President of the Senate, and the Speaker of
the House all came together to support and sign the statement, which
states "we" stand together in one voice. The Red Hill WAI efforts will help
ensure that future generations are informed about long-term
environmental issues, such as those at Red Hill. Manager Lau thanked
the Governor, the State Legislature, the House, and the Senate for their
support. Special thanks to Vice Speaker Linda Ichiyama, who remained
involved and compiled the Red Hill WAI report.



JUNE 2025 RED HILL UPDATES

June 23, 2025

boardofwatersupply.com

RECENT EVENTS

5/29:

- Monthly Update Meeting with UH Red Hill Tracer Dye Research Group
- Community Representation Initiative Meeting



Navy Closure Task Force -Red Hill Open House on May 21, 2025



UPDATES FROM NAVY CLOSURE TASK FORCE –RED HILL

SLUDGE AND RESIDUAL FUEL REMOVAL

0 1 3 0 9 . 0

GALLONS RESIDUAL FUEL REMOVED

**As of May 27, 2025*

0 0 2 4 3 . 0

GALLONS SLUDGE REMOVED

Sludge is removed by lowering personnel to the bottom of the tank where it is manually shoveled out and put into drums. The drums are sealed and sent off the island for disposal at a permitted waste disposal facility on the continental U.S.



Source: Navy Closure Task Force –Red Hill

NCTF-RH Provides Tank Cleaning Progress Update

NCTF-RH continues tank cleaning operations to safely and deliberately decommission the underground storage tanks and close the Red Hill Bulk Fuel Storage Facility.

Tank cleaning operations of Tanks 7 and 8 are complete, in accordance with the EPA and DOH approved tank cleaning plan and are pending regulatory approval of their cleanliness validation reports.

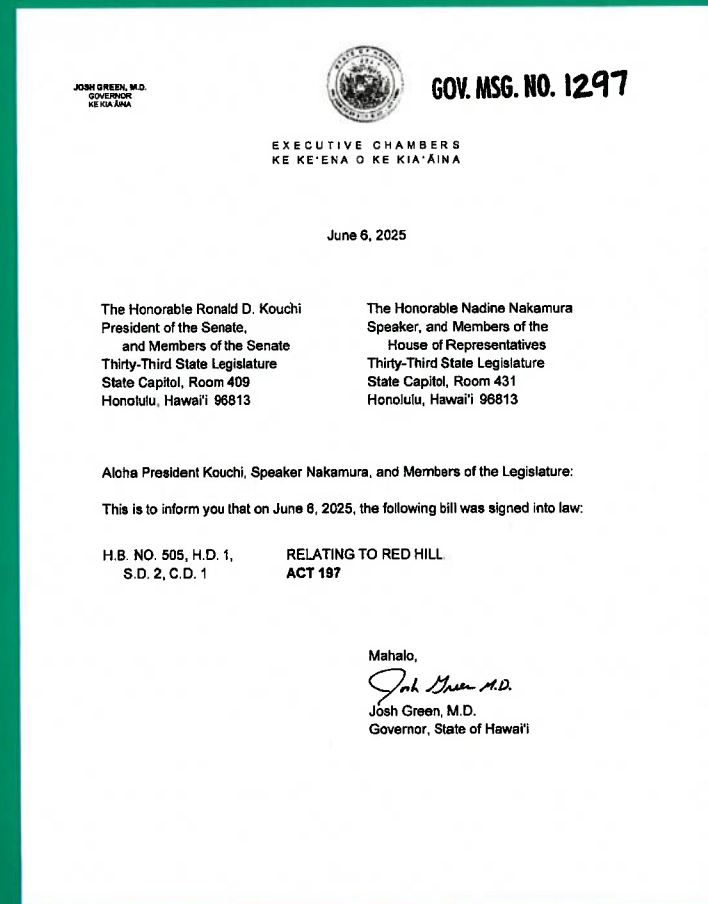
Work is underway in Tanks 3 and 4 including installation and inspection of infrastructure before pressure washing. Tanks 5 and 6 are set to begin pressure washing operations in the coming weeks. The NCTF-RH team completed degassing and sludge removal operations in the tanks earlier this year.

Stay up to date with tank cleaning operations with the Tank Cleaning dashboard on the NCTF-RH website (www.navyclosuretaskforce.navy.mil) and the mobile app.



RED HILL WAI –ACT 196

- HB505, CD1 – Relating to Red Hill was signed into law on June 6, 2025, as Act 197.
- Creation of a Red Hill Water Alliance Initiative (WAI) Coordinator within the Department of Land and Natural Resources to coordinate WAI initiatives across State and City agencies.
- Establishes a Red Hill remediation special fund.



THE RED HILL WAI POLICY COORDINATOR

- Shall serve as the State's policy **lead on WAI initiatives**.
- Be placed in the office of the chairperson of the Board of Land and Natural Resources.
- **Facilitate implementation and monitoring, and interface with federal entities** on WAI initiatives outlined in the WAI's November 2023 report.
- Periodically and **regularly review**:
 - A. The health status of the ecosystem; and
 - B. The **state of science and opportunities for remediation and rehabilitation**
- Develop and maintain a **public-facing test results dashboard** describing the significance of results from the State and city and county of Honolulu, as part of a broader public education program; and
- Coordinate the implementation of a thirty-six-month **public information and education program** to describe, inform, and **educate the general public** and institutions on the post-defueling remediation phases for Red Hill to restore public trust, secure public support, and address health and environmental concerns.



RED HILL REMEDIATION SPECIAL FUND

- a) There is established in the State Treasury the Red Hill remediation special fund, into which shall be deposited the following moneys:
 - 1) Appropriations to the special fund from any source, including the United States government, legislature, and City and County of Honolulu;
 - 2) Gifts, donations, and grants from public agencies, including the United States government, and private persons; and
 - 3) All interest earned on or accrued to moneys deposited in the special fund.
- b) The special fund shall be administered by the WAI policy coordinator.
- c) The moneys in the special fund shall be used to address contamination resulting from the Red Hill Bulk Fuel Storage Facility, including monitoring, applied research, public outreach and education, and evaluation; provided that the cost of remediation of the aquifer shall be borne by the federal government.



UPCOMING EVENTS

We continue to look forward to additional information on:

- Red Hill Tracer Dye Study by UH
- Proposed Reactivation of Navy Aiea-Halawa Shaft and Red Hill Shaft





MAHALO!

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

June 2025 Red Hill Updates

ITEM FOR INFORMATION NO. 2

"June 23, 2025

WATER
SYSTEM
REVENUE
BONDS -
COMPLIANCE
WITH RATE
COVENANT

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

Chair and Members:

Subject: Water System Revenue Bonds – Compliance with Rate
Covenant

In accordance with Article VIII, Section 8.02, Rates and Charges, of the Water System Revenue Bonds, Resolution No. 717, 2001, we have completed a review of the financial condition of the Board of Water Supply for the purpose of estimating whether the Net Revenues for the current fiscal year and the next succeeding fiscal year will be sufficient to comply with the rate covenant in Section 8.02.

Our review included an examination of the financial and accounting records, which we considered necessary to express an opinion on the adequacy of the department's rates and other charges such that Net Revenues shall not be less than the Net Revenue Requirement in each fiscal year.

In our opinion, Net Revenues for fiscal years 2025 and 2026 will not be less than the Net Revenue Requirement for such fiscal years.

The attached schedules present the actual and estimated revenues and expenditures in compliance with the above rate covenant.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: Leanne Matsumoto, Waterworks Controller, Finance Division, gave the report. There were no comments or discussion.

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU
SUPPLEMENTAL SCHEDULE OF NET REVENUE REQUIREMENT
PROJECTED AS OF JUNE 30, 2025

	<u>Amount</u>
REVENUES	
Water sales	\$ 297,255,178
Interest	22,017,255
Other	<u>5,889,705</u>
Total revenues	<u><u>325,162,137</u></u>
DEDUCTIONS	
Operating expenses	227,131,879
Less depreciation expense	<u>(49,721,927)</u>
Total deductions	<u>177,409,952</u>
Net revenues	<u><u>\$ 147,752,185</u></u>
NET REVENUE REQUIREMENT	
Greater of:	
1) Aggregate debt service	\$ 31,367,684
Required deposits - subordinate obligation fund	<u>31,367,684</u>
2) Aggregate debt service	31,367,684
	x 1.20
Net revenue requirement	<u><u>\$ 37,641,221</u></u>
Target New Requirement of 1.7	53,325,063
Current ratio	4.71

Note: Subject to change after year end adjustments

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU
SUPPLEMENTAL SCHEDULE OF NET REVENUE REQUIREMENT
PROJECTED AS OF JUNE 30, 2026

	<u>Amount</u>
REVENUES	
Water sales	\$ 316,500,000
Interest	15,000,000
Other	<u>1,525,000</u>
Total revenues	<u><u>333,025,000</u></u>
DEDUCTIONS	
Operating expenses	241,078,420
Total deductions	<u>241,078,420</u>
Net revenues	<u><u>\$ 91,946,580</u></u>
NET REVENUE REQUIREMENT	
Greater of:	
1) Aggregate debt service	\$ 31,542,368
Required deposits - subordinate obligation fund	<u>31,542,368</u>
2) Aggregate debt service	31,542,368
x	<u>1.20</u>
Net revenue requirement	<u><u>\$ 37,850,842</u></u>
Target New Requirement of 1.7	53,622,026
Current ratio	2.92

ITEM FOR INFORMATION NO. 3

"June 23, 2025

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 May 2025. Pearl City and Waialua are in Caution Status. Kaimukī and Punalu'u are in Alert Status. The monthly production average for May 2025 was 136.70 million gallons per day.

The Board of Water Supply rainfall index for the month of May 2025 was 127 percent of normal, with a 5-month moving average of 104 percent. As of June 10, 2025, the Hawai'i Drought Monitor shows no drought conditions along most of the windward coast of O'ahu, grading to abnormally dry conditions over much of the leeward and eastern portions of the island, further grading to moderate drought conditions along a small portion of the leeward coast. The National Weather Service is forecasting above-normal precipitation through August 2025.

Most monitoring wells exhibited stable to slightly decreasing head levels for the month of May 2025. This likely reflects the relatively higher rainfall offset by seasonally increasing production. Average monthly production for May 2025 is higher than May 2024 and the 5-year monthly average.

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.

**PRODUCTION, HEAD AND RAINFALL REPORT
MONTH OF MAY 2025**

POTABLE

STATION	MGD
HONOLULU (1)	
KULIOUOU	0.06
WAILUPE	0.00
AINA KOA	0.00
AINA KOA II	0.01
MANOA II	0.93
PALOLO	1.44
KAIMUKI HIGH	2.49
KAIMUKI LOW	0.80
WILDER	8.94
BERETANIA HIGH	0.91
BERETANIA LOW	1.47
KALIHI HIGH	3.80
KALIHI LOW	2.63
KAPALAMA	0.13
KALIHI SHAFT	7.51
MOANALUA	2.70
HALAWA SHAFT	0.00
KAAMILO	0.04
KALAUAO	8.11
PUNANANI	12.22
KAAHUMANU	0.26
HECO WAIU	2.71
MANANA	0.22
WAIALAE IKI	0.56
WELLS SUBTOTAL:	57.91
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.00
GRAVITY SUBTTL:	0.17
HONOLULU SUBTTL:	58.08

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.26
WAIMANALO III	0.00
KUOU I	1.31
KUOU II	0.11
KUOU III	0.69
LULUKU	0.85
HAIKU	0.38
IOLEKAA	0.00
KAHALUU	0.57
KAHANA	0.34
PUNALUU I	0.00
PUNALUU II	3.01
PUNALUU III	1.20
KALUANUI	1.18
MAAKUA	0.39
HAUULA	0.23
WELLS SUBTOTAL:	10.53
WAIM. TUNNELS I & II	0.00
WAIM. TUNNELS III&IV	0.19
WAIHEE INCL. WELLS	0.31
WAIHEE TUNNEL	4.60
LULUKU TUNNEL	0.22
HAIKU TUNNEL	0.26
KAHALUU TUNNEL	1.44
GRAVITY SUBTOTAL:	7.03
WIND. SUBTOTAL:	17.56

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.43
OPANA	0.97
WAIALEE I	0.41
WAIALEE II	0.00
HALEIWA	0.00
WAIALUA	1.53
N.SHORE SUBTOTAL:	3.35

STATION	MGD
MILILANI (4)	
MILILANI I	2.69
MILILANI II	0.00
MILILANI III	0.64
MILILANI IV	0.46
MILILANI SUBTOTAL:	3.80

STATION	MGD
WAHIAWA (5)	
WAHIAWA	1.21
WAHIAWA II	1.71
WAHIAWA SUBTOTAL:	2.92

STATION	MGD
PEARL CITY-HALAWA (6)	
HALAWA 277	0.00
HALAWA 550	0.00
AIEA	0.00
AIEA GULCH 497	0.89
AIEA GULCH 550	0.20
KAONOHI I	1.94
WAIMALU I	0.00
NEWTOWN	1.78
WAIU	1.71
PEARL CITY I	0.81
PEARL CITY II	0.99
PEARL CITY III	0.19
PEARL CITY SHAFT	0.92
PEARL CITY-HALAWA SUBTOTAL:	9.43

STATION	MGD
WAIPAHU-EWA (7)	
WAIPIO HTS.	1.80
WAIPIO HTS. I	0.74
WAIPIO HTS. II	0.30
WAIPIO HTS. III	1.17
WAIPAHU	6.68
WAIPAHU II	1.88
WAIPAHU III	3.17
WAIPAHU IV	2.83
KUNIA I	5.14
KUNIA II	1.77
KUNIA III	1.45
HOAEAE	5.65
HONOULIULI I	0.00
HONOULIULI II	5.36
MAKAKILO	0.00
WAIPAHU-EWA SUBTOTAL:	37.95

STATION	MGD
WAIANAE (8)	
MAKAHA I	0.51
MAKAHA II	0.00
MAKAHA III	0.18
MAKAHA V	0.30
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.00
WAIANAE I	0.00
WAIANAE II	0.23
WAIANAE III	0.83
WELLS SUBTOTAL:	2.04
WAI. C&C TUNNEL	1.40
WAI. PLANT. TUNNELS	0.18
GRAVITY SUBTOTAL:	1.58
WAIANAE SUBTOTAL:	3.62

NONPOTABLE

NONPOTABLE	MGD
KALAUAO SPRINGS	0.37
BARBERS POINT WELL	1.03
GLOVER TUNNEL NP	0.30
NONPOTABLE TOTAL:	1.70

RECYCLED WATER (APRIL 2025)

RECYCLED WATER	MGD
HONOULIULI WRF R-1	6.40
HONOULIULI WRF RO	1.52
RECYCLED TOTAL:	7.92

PRODUCTION, HEAD AND RAINFALL REPORT **MONTH OF MAY 2025**

PRODUCTION SUMMARIES

TOTAL WATER	MGD
PUMPAGE	127.92
GRAVITY	8.78
POTABLE TOTAL:	136.70
NONPOTABLE	1.70
RECYCLED WATER	7.92
TOTAL WATER:	146.32

CWRM PERMITTED USE AND BWS ASSESSED YIELDS FOR BWS POTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE/ BWS YLDS	MAY 2024	DIFF. A-B
1	HONOLULU	83.32	57.91	25.41
2	WINDWARD	25.02	17.56	7.46
3	NORTH SHORE	4.70	3.35	1.35
4	MILILANI	7.53	3.80	3.73
5	WAHIAWA	4.27	2.92	1.35
6	PEARL CITY-HALAWA	12.25	9.43	2.82
7	WAIPAHU-EWA	50.63	37.95	12.68
8	WAIANAE	4.34	3.62	0.72
TOTAL:		192.06	136.53	55.52

CWRM PERMITTED USE FOR BWS NONPOTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE	MAY 2024	DIFF. A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.03	-0.03
TOTAL:		1.00	1.03	-0.03

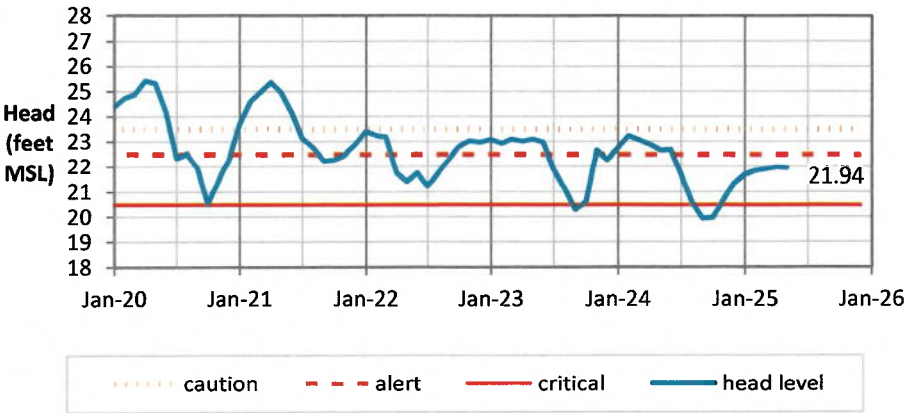
EFFECTIVE WATER DEMAND PER DISTRICT

IMPORT/EXPORT BETWEEN WATER USE DISTRICTS			
FROM	TO		MGD
2	1	WINDWARD EXPORT	0.10
7	8	BARBERS PT LB	5.83

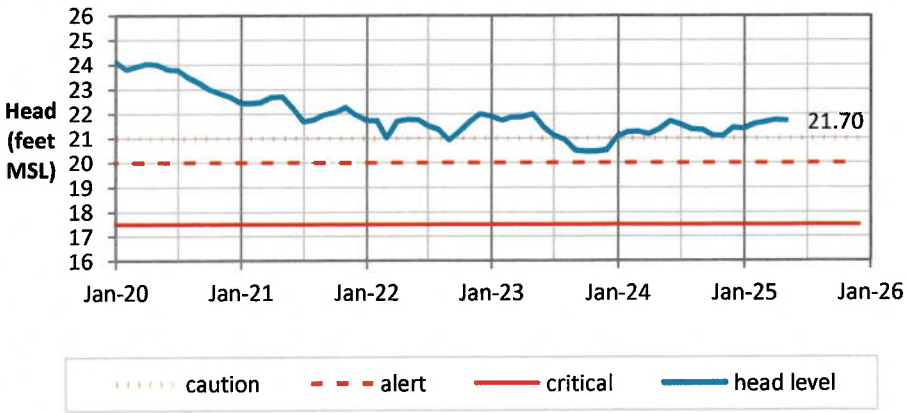
WATER USE DISTRICTS		SUBTOTAL	IMPORT	EXPORT	EFFECTIVE WATER DEMAND
1	HONOLULU	58.08	0.10	-	58.18
2	WINDWARD	17.56	-	0.10	17.46
3	NORTH SHORE	3.35	-	-	3.35
4	MILILANI	3.80	-	-	3.80
5	WAHIAWA	2.92	-	-	2.92
6	PEARL CITY-HALAWA	9.43	-	-	9.43
7	WAIPAHU-EWA	37.95	-	5.83	32.12
8	WAIANAE	3.62	5.83	-	9.45
TOTAL:		136.70	5.93	5.93	136.70

Head Report

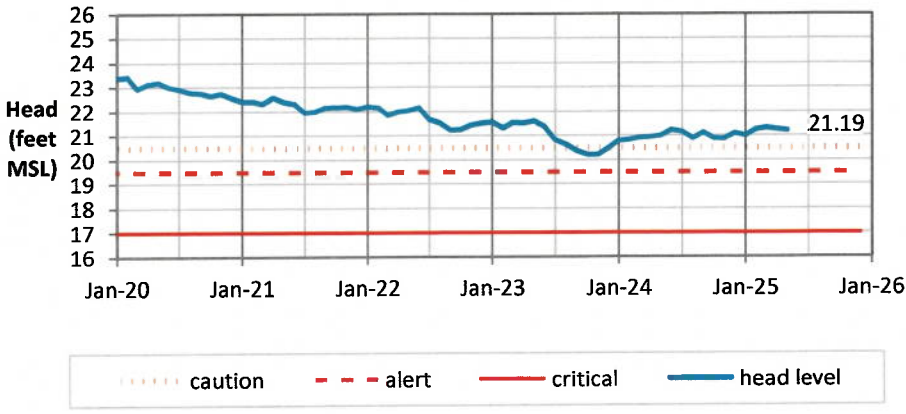
Kaimukī 05/01/2025



Beretania 05/01/2025

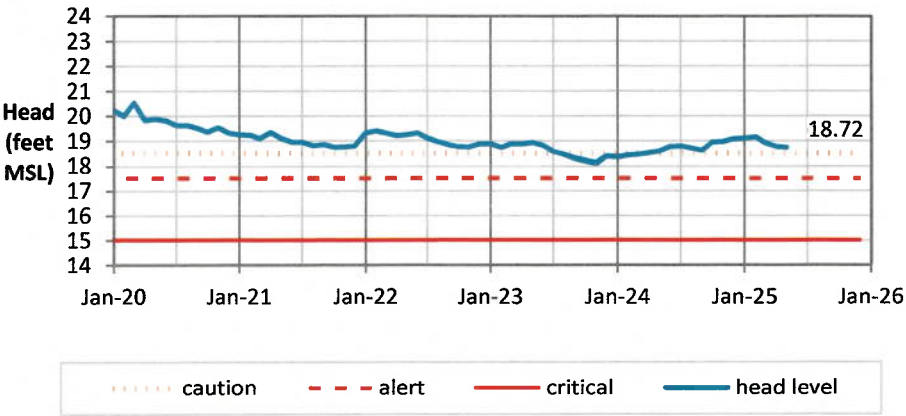


Kalihi 05/01/2025

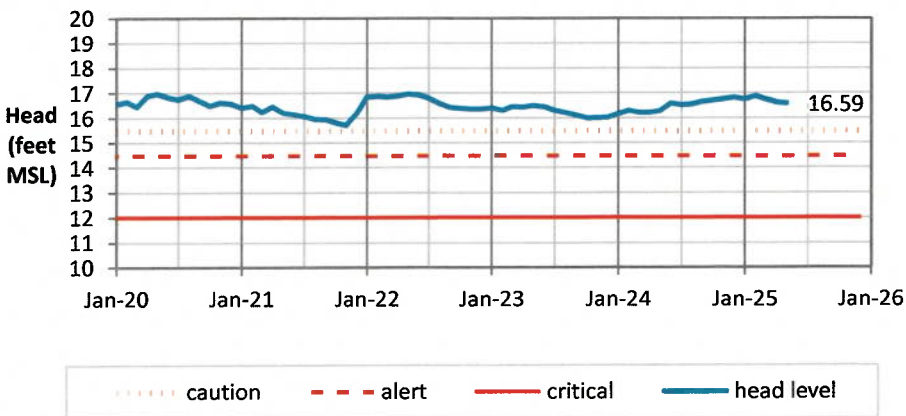


Head Report

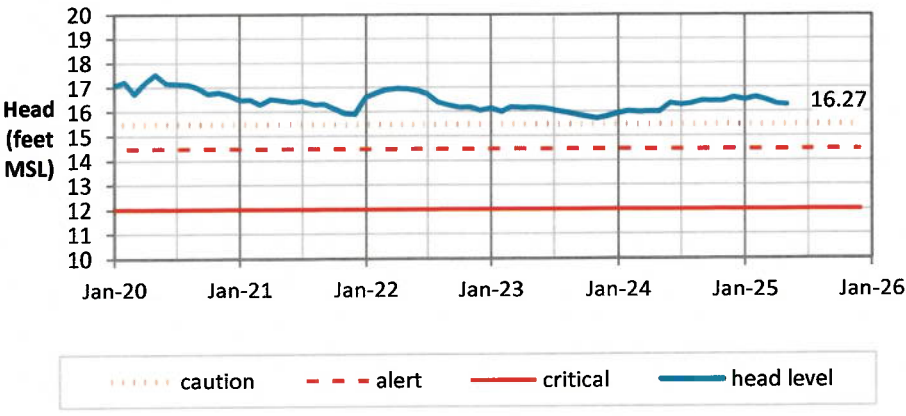
Moanalua 05/01/2025



Hālawā 05/01/2025

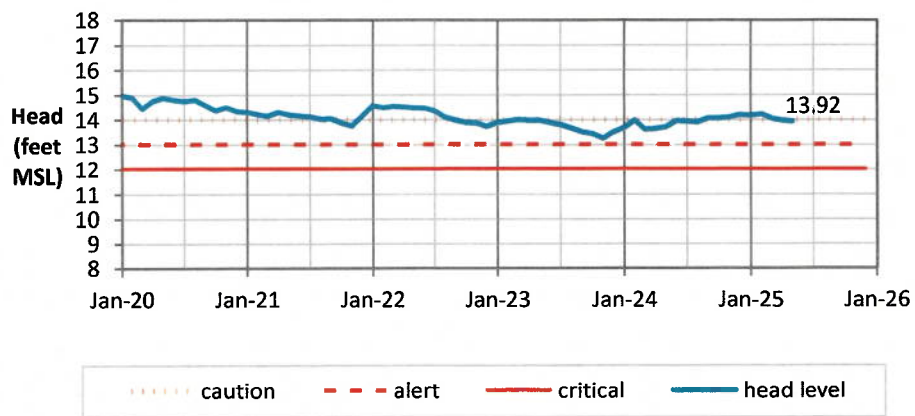


Kalauao 05/05/2025

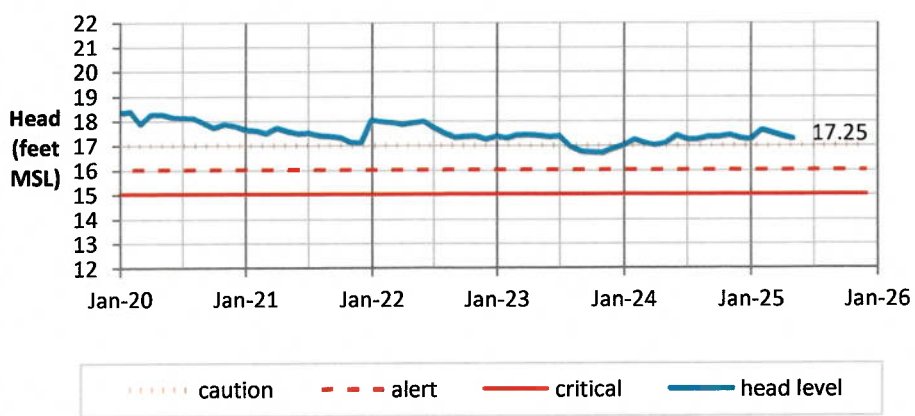


Head Report

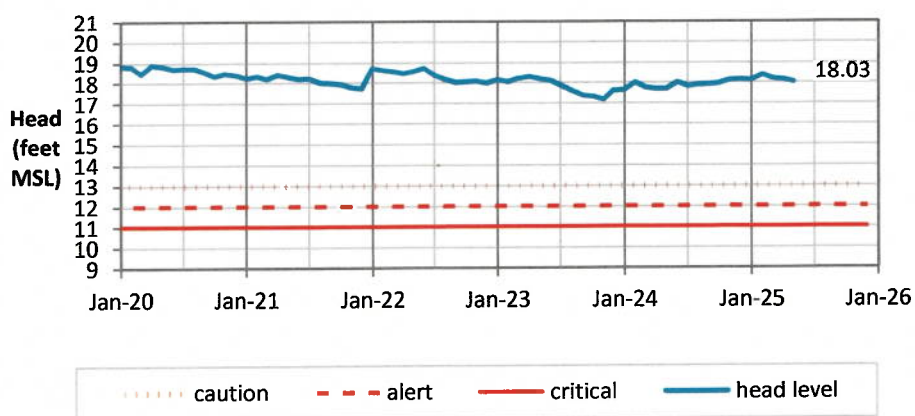
Pearl City 05/07/2025



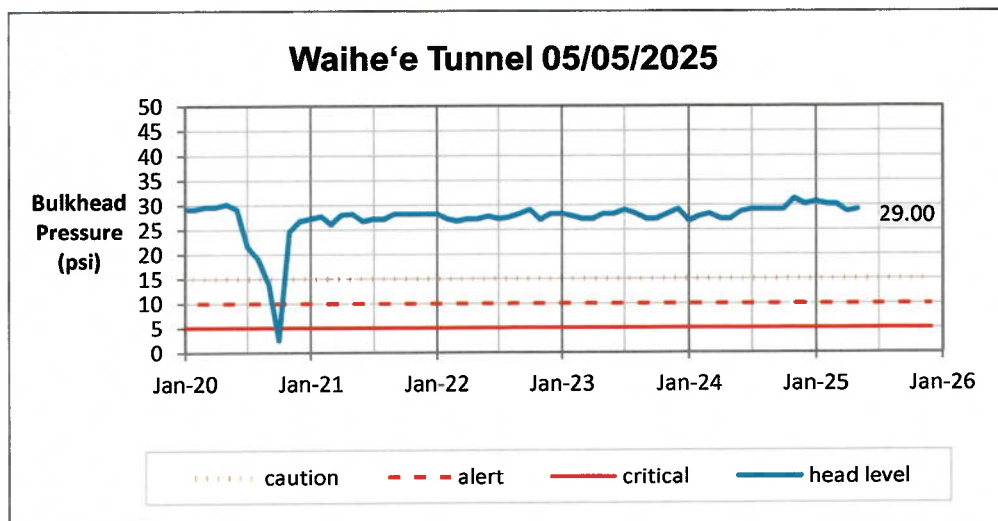
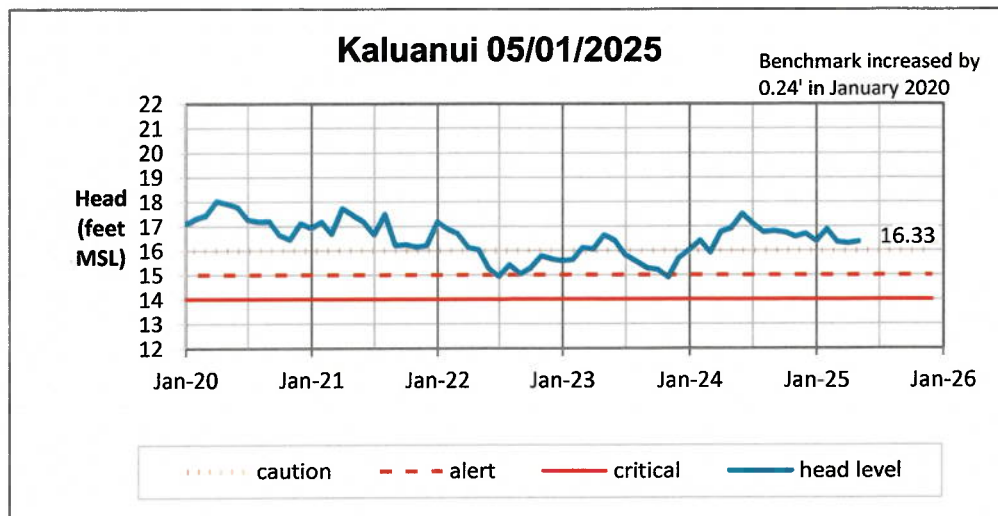
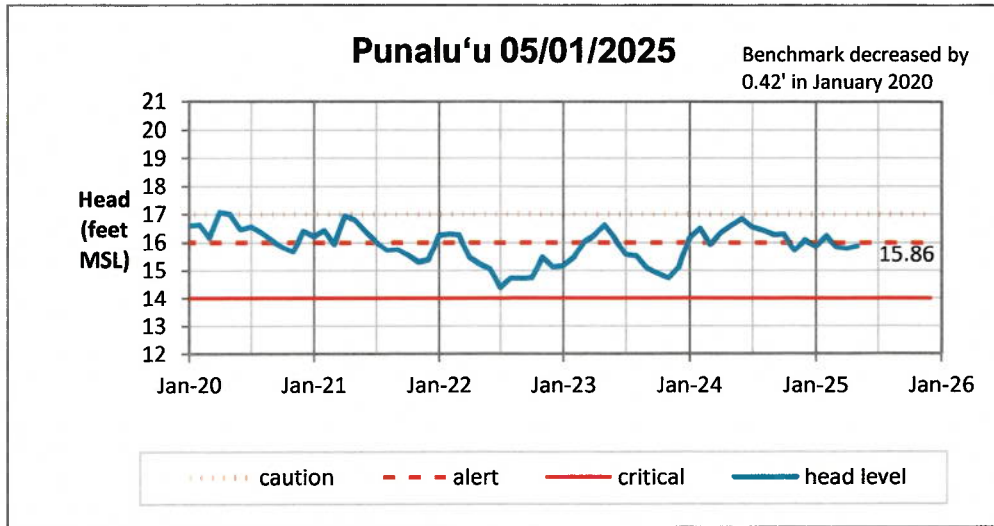
Waipahu 05/01/2025



Hō'ae'ae-Kunia 05/01/2025



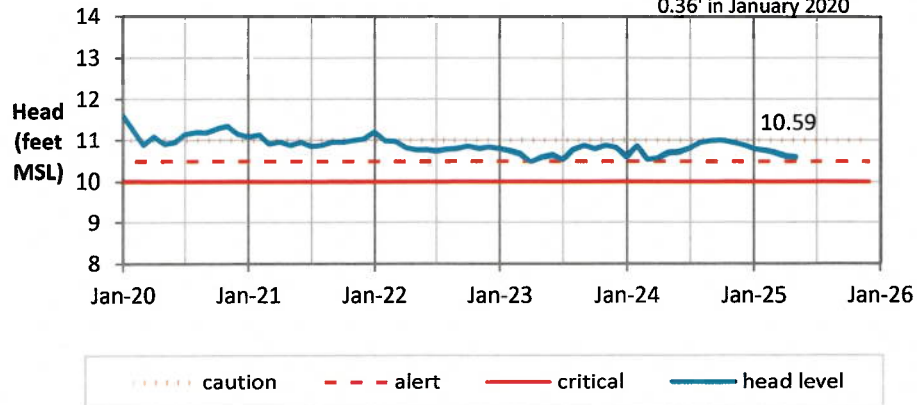
Head Report



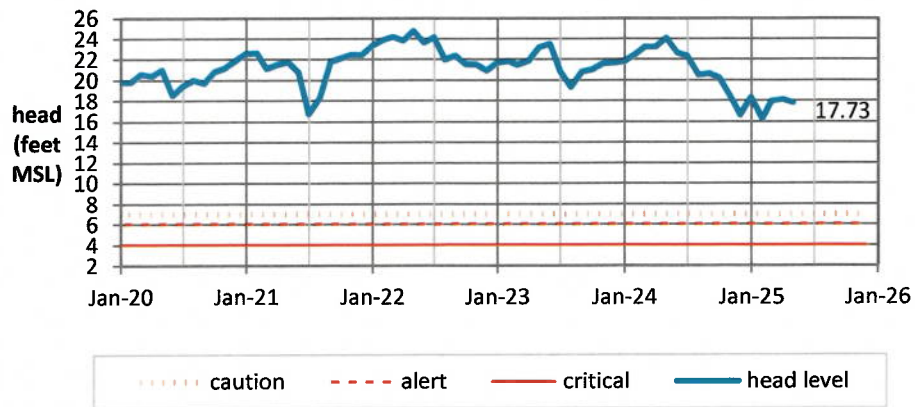
Head Report

Waialua 05/01/2025

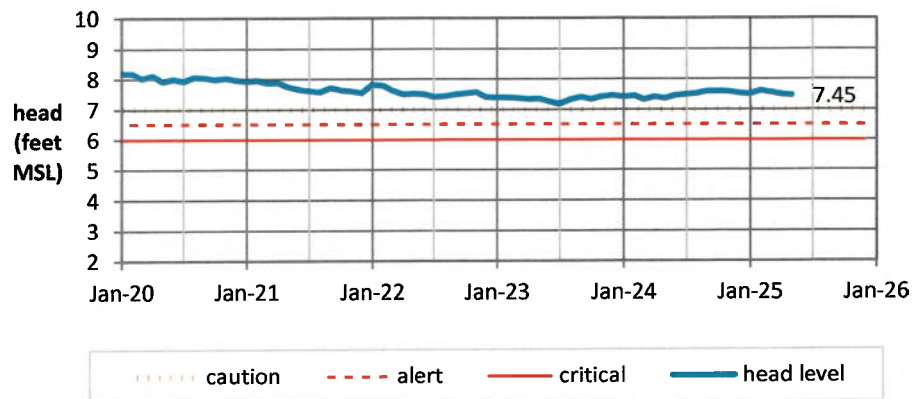
Benchmark decreased by
0.36' in January 2020

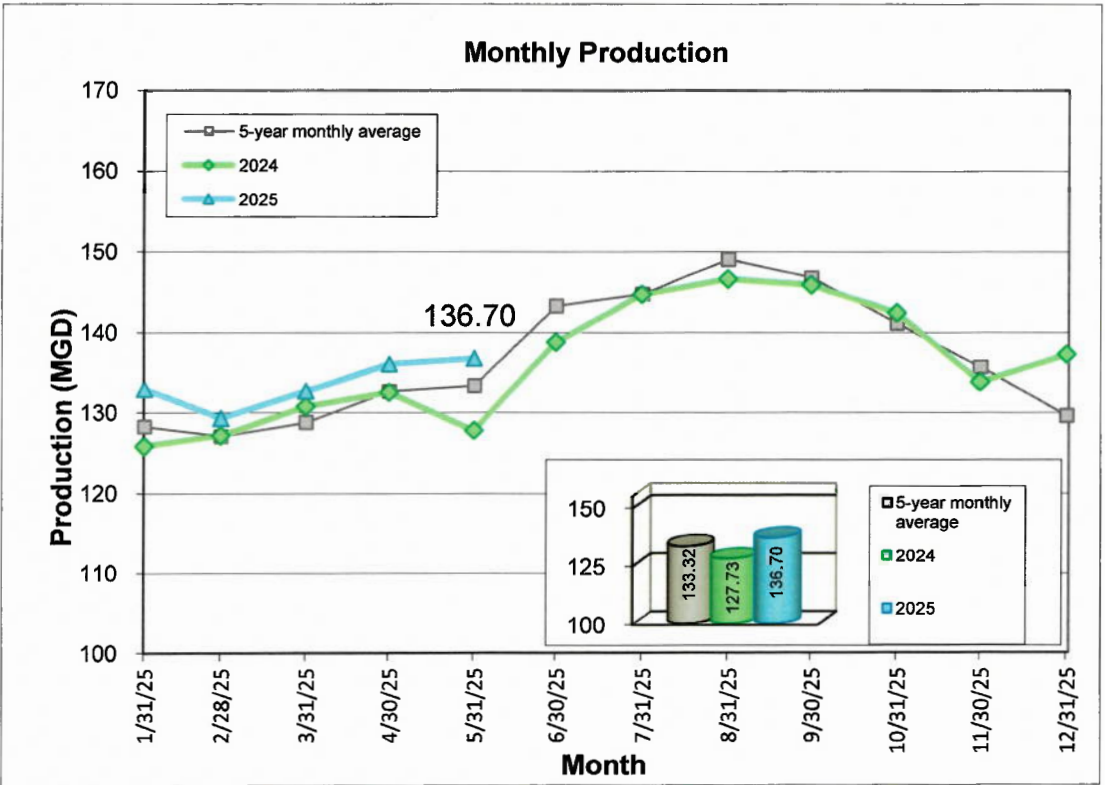
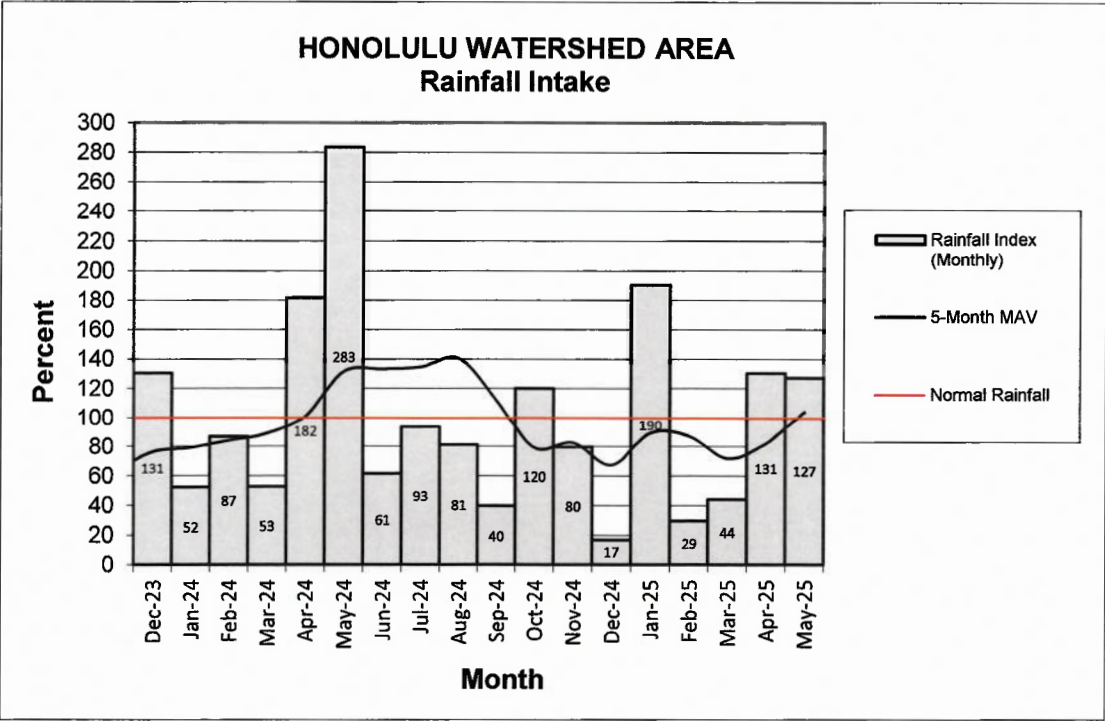


Mākaha 05/07/2025



Kapakahi 05/01/2025





ITEM FOR INFORMATION NO. 4

"June 23, 2025

WATER MAIN
REPAIR
REPORT FOR
MAY 2025

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 May 2025

Wayne Tello, Acting Program Administrator, Field Operations Division,
will report on water main repair work for the month of May 2025.

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.

Board Member Andaya commented that at the American Water Works
Association (AWWA) conference, a new leak detection meter reading
system was introduced, and inquired if the BWS is looking to incorporate
this new system.

Mr. Wayne Tello shared that the new leak detection meter reading system
introduced at the AWWA conference would be able to detect leaks on
both the customer and BWS side of the meter and will provide a point of
interest. Currently the BWS is working on a separate system; therefore,
will not be incorporating the newly introduced leak detection meter
reading system.

Manager Lau commented that the BWS supports sending staff to annual
conferences to learn of new technology and methods to improve the
BWS.

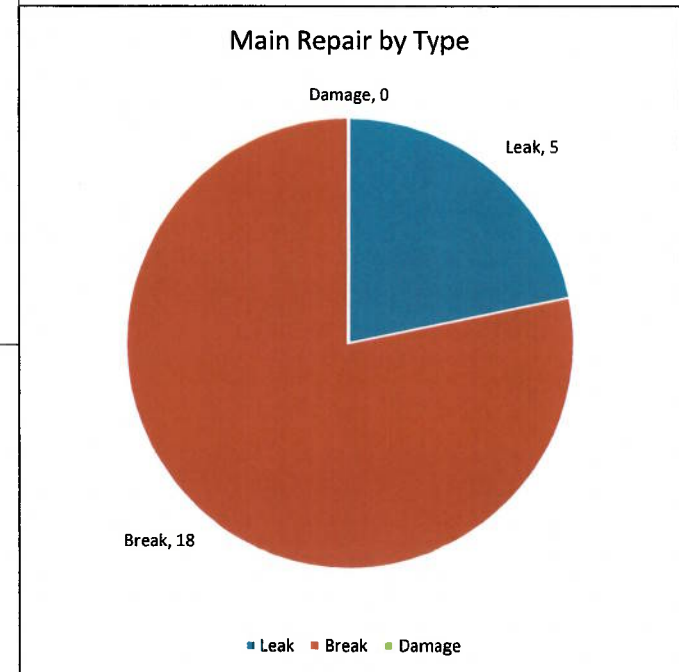
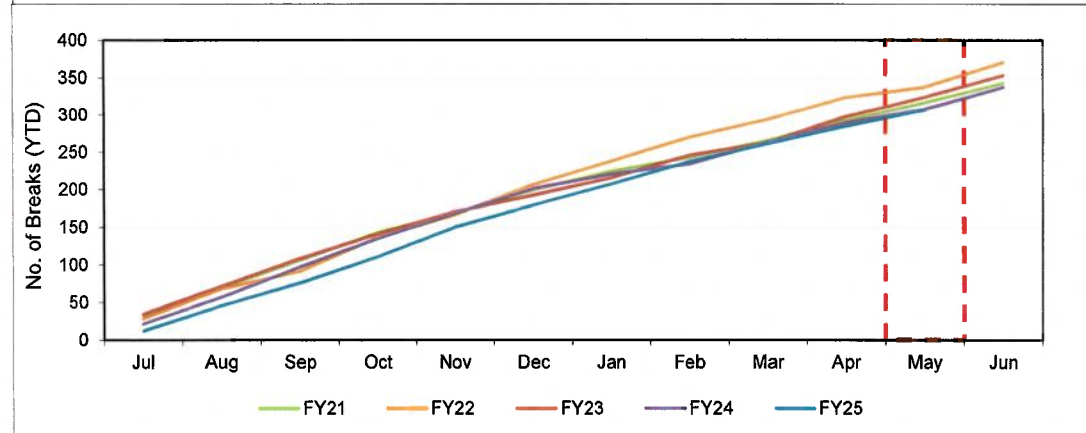
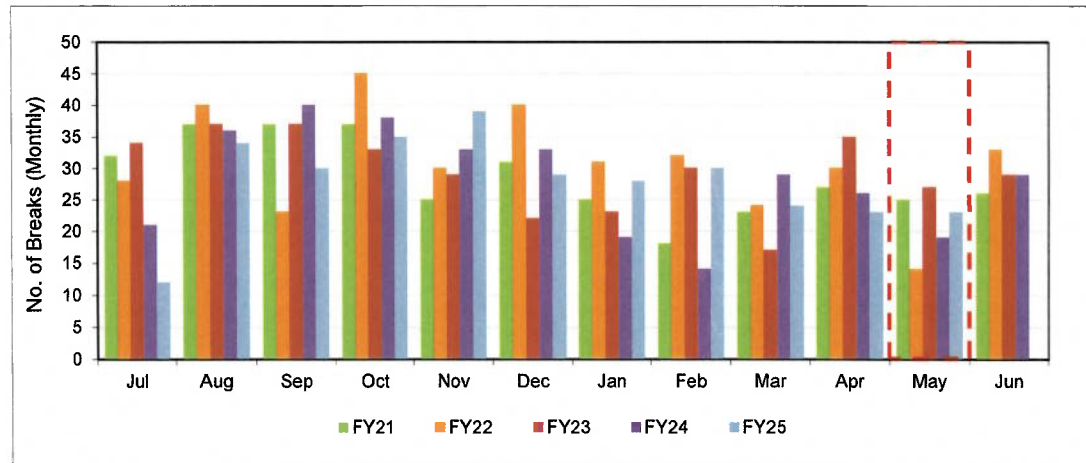
**WATER MAIN REPAIR REPORT
for May 2025**

Monthly Main Breaks

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2025	12	34	30	35	39	29	28	30	24	23	23	--	307
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	14	24	20	10	14	11	6	7	5	--	142
Break	7	7	15	10	19	19	13	19	18	15	18	--	160
Damage	1	0	1	1	0	0	1	0	0	1	0	--	5
Total	12	34	30	35	39	29	28	30	24	23	23	0	307



Date	Address	Size (In)	Pipe Type	Date	Address	Size (In)	Pipe Type
5/1/2025	91-651 Kilipoe St, Ewa Beach	8	CI				
5/1/2025	2940 Park St, Honolulu	6	CI				
5/1/2025	98-647 Moanalua Lp, Aiea	8	CI				
5/3/2025	51-372 Kamehameha Hwy, Kaaawa	6	CI				
5/4/2025	87-1610 Kuualoha Rd, Waianae	8	DI				
5/7/2025	46-280 Auna St, Kaneohe	8	CI				
5/7/2025	3230 Kaohinani Dr, Honolulu	8	PVC				
5/8/2025	51-094 Kamehameha Hwy, Kaaawa	6	CI				
5/9/2025	1253 Pihana St, Honolulu	8	CI				
5/9/2025	1223 Pihana St, Honolulu	8	CI				
5/10/2025	98-1775 Ipuala Lp, Aiea	8	CI				
5/11/2025	2944 Numana Rd, Honolulu	8	DI				
5/12/2025	327 N Kuakini St, Honolulu	12	CI				
5/13/2025	9 Aikahi Lp, Kailua	12	AC				
5/15/2025	531 Iliaina St, Kailua	8	AC				
5/15/2025	38 Wood St, Honolulu	8	PVC				
5/17/2025	1648 Ala Kiao Pl, Honolulu	8	PVC				
5/20/2025	3124 Monsarrat Ave, Honolulu	6	CI				
5/20/2025	45-543 Kuuipo Pl, Kaneohe	4	CI				
5/24/2025	340 Ulupaina St, Kailua	8	AC				
5/28/2025	45-715 Keneke St, Kaneohe	8	CI				
5/30/2025	45-556 Halekou Rd, Kaneohe	8	CI				
5/31/2025	94-591 Kipou St, Waipahu	8	CI				

LEAK DETECTION for May 2025

POIs Investigated

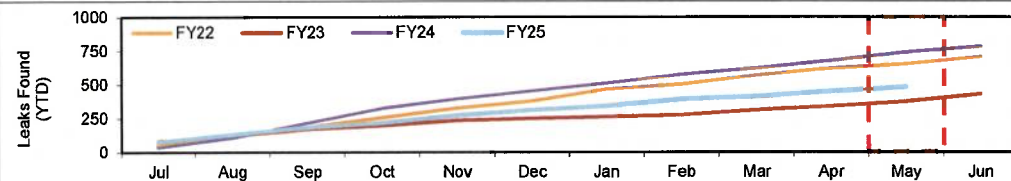
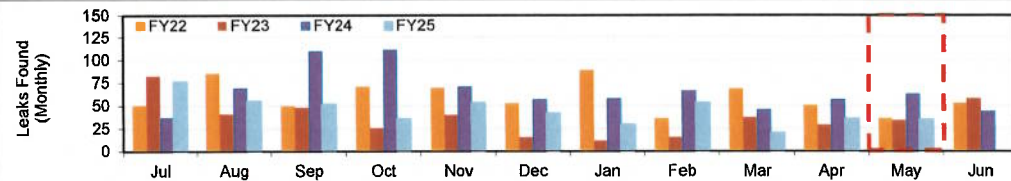
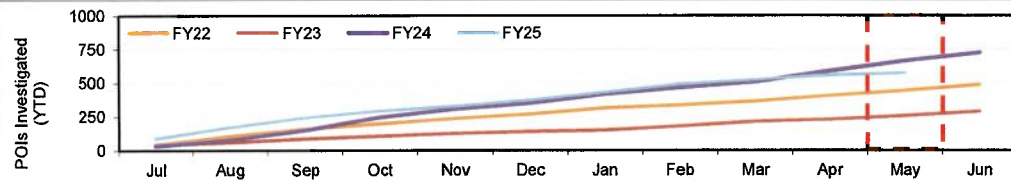
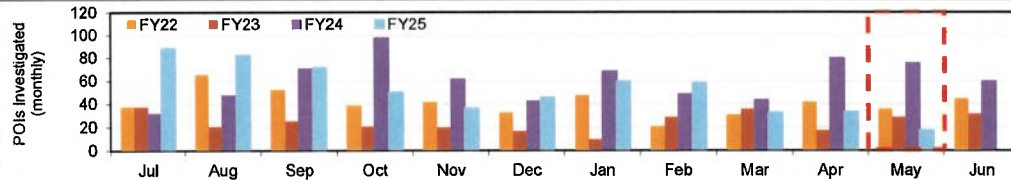
FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2025	88	82	71	50	36	45	59	58	32	33	17	--	571
2024	31	47	70	97	61	42	68	48	43	79	75	59	720
2023	37	20	25	20	19	16	9	28	35	17	28	31	285
2022	37	65	52	38	41	32	47	20	30	41	35	44	482

Leaks Found

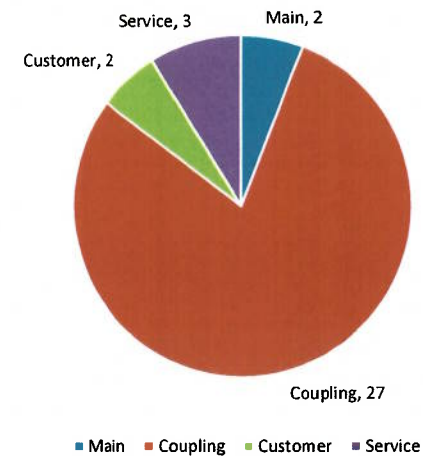
FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2025	76	55	51	35	53	41	29	53	20	35	34	--	482
2024	36	69	109	111	70	56	57	66	45	56	62	43	780
2023	82	40	47	25	39	15	11	15	36	28	33	57	428
2022	50	85	49	70	69	52	88	35	68	50	35	52	703

Satellite Leak by Type

Type	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
Main	8	6	2	3	2	5	1	3	5	3	2	--	40
Coupling	62	41	43	24	41	29	23	41	9	22	27	--	362
Customer	3	4	1	5	3	4	4	7	1	4	2	--	38
Service	3	4	5	3	7	3	1	2	5	6	3	--	42
Total	76	55	51	35	53	41	29	53	20	35	34	0	482



Satellite Leak by Type



**MOTION TO
RECESS INTO
EXECUTIVE
SESSION**

At 2:42 PM, the Chair Anthony, called for a motion to recess and prepare the room for Executive Session. Edwin Sniffen so moved; seconded by Bryan Andaya and unanimously carried.

At 2:51 PM Chair Anthony called the meeting back into order.

There being no further business, Chair Anthony, at 2:53 PM, called for a motion to recess and prepare the room for Executive Session. adjourn the Open Session. Edwin Sniffen so moved; seconded by Bryan Andaya and unanimously carried.

Upon unanimous approved motion, the Board recessed into Executive Session Pursuant to [HRS § 92-5 (a)(4)] at 2:54 PM to Consider Issues Pertaining to Matters Posted for Discussion at an Executive Session.

**OPEN
SESSION**

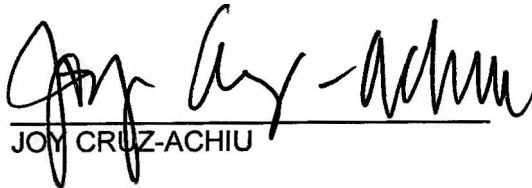
The Board reconvened in Open Session at 4:23 PM.

Chair Anthony announced and disclosed that during Executive Session the Board acted on executive session agenda item three pertaining to matters concerning the Manager and Chief Engineer's evaluation, including his salary and retroactive pay.

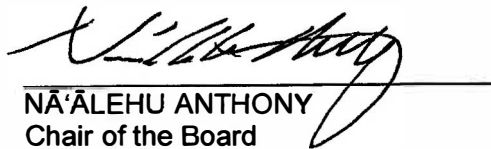
**MOTION TO
ADJOURN**

There being no further business, Chair Anthony, at 4:24 PM, called for a motion to adjourn the Regular Session. Lance Wilhelm so moved, seconded by Edwin Sniffen, and unanimously carried.

The minutes of the Regular Meeting held on June 23, 2025, are respectfully submitted,


JOY CRUZ-ACHIU

APPROVED:


NĀ'ĀLEHU ANTHONY
Chair of the Board
AUG 25 2025
Date

THE MINUTES OF THE REGULAR MEETING HELD ON JUNE 23, 2025, WERE APPROVED AT THE AUGUST 25, 2025, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO			ABSTAIN
BRYAN P. ANDAYA			ABSENT
LANCE WILHELM	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		