

**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 KAWA TA
DEPUTY MANAGER
HOPE MANAKIA



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

August 19, 2025

NOTICE

The Board of Water Supply, City and County of Honolulu, Regular Meeting will be held on Monday, August 25, 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, August 25 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, August 22, 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, August 25, 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 August 25, 2025, Regular Meeting of the Board of Water Supply is as follows:

ITEMS REQUIRING BOARD ACTION

1. Approval of the Minutes of the Regular Meeting Held on June 23, 2025
2. Approval of the Minutes of the Regular Meeting Held on July 28, 2025
3. Adoption of Resolution No. 1001, 2025, Resolution of Appreciation for Former Board Member Kēhaulani Pu'u

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, 2025
3. Capital Improvement Program Semi-Annual Update and Revisions to Fiscal Year 2025 Operating and Capital Improvement Program Budgets
4. Status Update of Groundwater Levels at All Index Stations
5. Water Main Repair Report for July 2025

EXECUTIVE SESSION

1. Approval of the Minutes of the Executive Session Held on May 27, 2025
2. Approval of the Minutes of the Executive Session Held on June 23, 2025
3. Approval of the Minutes of the Executive Session Held on June 30, 2025

MINUTES

To watch the recording of this meeting, please click on the following link:
<https://vimeo.com/bwshonolulu/aug-25-2025>. Closed captioning is available.

THE REGULAR MEETING OF THE BOARD OF WATER SUPPLY

August 25, 2025

At 2:00 PM on August 25, 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
Jonathan Kaneshiro, Vice Chair
Bryan P. Andaya, Board Member via Zoom
Lance Wilhelm, Board Member
Edwin Sniffen, Ex-Officio via Zoom
Gene Albano, Ex-Officio

Also Present: Ernest Lau, Manager and Chief Engineer
Jennifer, Elflein Program Administrator,
Customer Care via Vimeo
Kathleen Elliott-Pahinui, Information Officer,
Communications Office
Raelynn Nakabayashi, Executive Assistant I,
Executive Support Office
Daniel Lee, Acting Program Administrator,
Field Operations Division
Patrick Chun, Acting Program Administrator,
Capital Projects Division
Leanne Matsumoto, Waterworks Controller,
Finance Division
Michele Thomas, Executive Assistant I,
Human Resources Office via Zoom
Henderson Nu'uhiwa, Program Administrator,
Information Technology Division
Michael Matsuo, Land Administrator, Land Division
Kirk Iwamoto, Water Quality Laboratory Director,
Water Quality Division
Barry Usagawa, Program Administrator,
Water Resources Division
Cary Watanabe, Assistant Program Administrator,
Water System Operations Division
Joyce Lin, Acting Departmental Staff Executive
Assistant, Office of the Manager and
Chief Engineer
Kimberly Kuwaye, Manager's 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

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

Absent: Erwin Kawata, Deputy Manager

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 'ākoako '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 mana'o mai ka wahine e kakau ka puke 'ōlelo no'eau.

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 thought by the person who wrote the 'Olelo No'eau, Hawaiian Proverb book.

'Ōlelo: Ho'okahi o ku'u noi i ka po'e: e mālama i ko lākou mo'olelo, ma kahi e mau ai...nā mo'opuna aku ana, nā kualua, a makemake nā mo'opuna, e lohe i ko kākou leo.

Chair Anthony translated 'ōlelo: I have only one favor to ask of people: to take care of their stories, let them be kept in a permanent place...so that their grandchildren and great-grandchildren can come and hear our voices." — *Mary Kawena Pukui*

Chair Anthony welcomed everyone to the August 25, 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.

Joining via Zoom: Board Member Edwin Sniffen responded "aye" and disclosed that he was also alone at his location. In the Board room: Vice Chair Jonathan Kaneshiro, aye; Board Member Lance Wilhelm responded "e'o"; and Board Member Gene Albano responded "aye". Chair Nā'ālehu Anthony was in the Board room, and Board Member Bryan Andaya was absent.

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

REGULAR MEETING

APPROVAL OF MINUTES

Approval of the Minutes of the Regular Meeting Held June 23, 2025.

MOTION TO APPROVE

Gene Albano and Lance Wilhelm motioned and seconded, respectively, to approve the Minutes of the Regular Meeting Held on June 23, 2025

Ms. Cruz-Achui conducted a roll call: Vice Chair Jonathan Kaneshiro, abstained; Board Member Lance Wilhelm, aye; Board Member Gene Albano, 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 and one abstention. Board Member Byan Andaya was absent.

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		

APPROVAL OF MINUTES

Approval of the Minutes of the Regular Meeting Held July 28, 2025

MOTION TO APPROVE

Lance Wilhelm and Gene Albano motioned and seconded, respectively, to approve the Minutes of the Regular Meeting Held on July 28, 2025

Ms. Cruz-Achiu conducted a roll call: Vice Chair Jonathan Kaneshiro, 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. Board Member Bryan Andaya was absent.

THE MINUTES OF THE REGULAR MEETING HELD ON JULY 28, 2025, WERE APPROVED AT THE AUGUST 25, 2025, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
BRYAN P. ANDAYA			ABSENT
LANCE WILHELM	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO	X		

“August 25, 2025

ADOPTION OF
RESOLUTION
NO. 1001, 2025,
RESOLUTION OF
APPRECIATION
FOR FORMER
BOARD MEMBER
KĒHAULANI PU’U

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

Chair and Members:

Subject: Adoption of Resolution No. 1001, 2025, Resolution of
Appreciation for Former Board Member Kēhaulani Pu’u

Board Member Kēhaulani Pu’u has notified this Board of Directors that she has resigned from her position as a director.

We recommend the adoption of Resolution No. 1001, 2025, to recognize and thank Ms. Pu’u for her 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:

Nā’ālehu Anthony, Chair, Board of Directors and Ernest Lau, Manager and Chief Engineer of the Honolulu Board of Water Supply, gave the report.

Chair Anthony expressed his appreciation for former Board Member Kēhaulani Pu’u’s and wished her the best in her future endeavors.

MOTION
TO APPROVE

Lance Wilhelm and Gene Albano motioned and seconded, respectively, to Adopt Resolution No. 1001, 2025, Resolution of Appreciation for Former Board Member Kēhaulani Pu’u.

Ms. Cruz-Achiu conducted a roll call: Vice Chair Jonathan Kaneshiro, 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. Board Member Bryan Andaya was absent.

ADOPTION OF RESOLUTION NO. 1001, 2025,
 RESOLUTION OF APPRECIATION FOR FORMER
 BOARD MEMBER KĒHAULANI PU'U, WAS ADOPTED
 AT THE AUGUST 25, 2025, BOARD MEETING

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



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

RESOLUTION NO. 1001, 2025

**KĒHAULANI PU‘U
IN APPRECIATION FOR SERVING AS A MEMBER
OF THE BOARD OF WATER SUPPLY**

WHEREAS, KĒHAULANI PU‘U has ably served as a member of the Board of Water Supply (BWS), City and County of Honolulu since December 2024, and she has recently notified the Board of her resignation; and

WHEREAS, MS. PU‘U’s experience and work as Chief Operating Officer for the Office of Hawaiian Affairs from July 2024 to July 2025; and her current and previous work as deputy director of the City & County of Honolulu’s Department of Parks & Recreation; and in various capacities with Kamehameha Schools, including her position as Kealakūlia Division director in the schools’ community education division; coupled with the esteem of her colleagues, has resulted in additional recognition and respect for the Board; and

WHEREAS, MS. PU‘U’s professional, academic, and community affiliations and her familiarity with government matters and the Hawaiian language and culture have made her an asset to the Board and a helpful resource in its deliberations, as she provided useful insights and counsel to its members; and

WHEREAS, as a Board member, KĒHAULANI PU‘U has supported and encouraged initiatives that have improved the BWS’s fiscal management and day-to-day operations, and volunteered her time and expertise to help effect business and policy decisions for the Board that will benefit the Board of Water Supply and O‘ahu’s water users for many years to come; and

WHEREAS, MS. PU‘U’s service is a testament to her commitment to maintaining a municipal water system worthy of trust from the public it serves; 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 KĒHAULANI PU‘U our deep appreciation and gratitude for her service to this Board and Department; and

BE IT FURTHER RESOLVED that the Members of this Board extend to KĒHAULANI PU‘U our sincere aloha and best wishes for continued success in all her future endeavors; and

BE IT FINALLY RESOLVED that this Resolution be presented to KĒHAULANI PU‘U.

Adopted this 25th day of August 2025
Board of Water Supply, Honolulu, Hawai‘i



Resolution No. 1001, 2025


NĀ‘ĀLEHU ANTHONY
Chair of the Board

ITEM FOR INFORMATION NO. 1

"August 25, 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, Acting Departmental Staff Executive Assistant, 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, Acting Departmental Staff Executive Assistant, Office of the
Manager and Chief Engineer, gave the report. There were no comments
or discussion.



AUGUST 2025 RED HILL UPDATES

August 25, 2025

boardofwatersupply.com

RECENT EVENTS

July 31st

- Community Representation Initiative Meeting

August 14th

- University of Hawai'i at Mānoa –Red Hill Tracer Study Update

August 20th

- Navy Closure Task Force –Red Hill Open House
5 -7 PM at the Oahu Veterans Center -1298 Kukila Street



UPDATES FROM NAVY CLOSURE TASK FORCE –RED HILL

SLUDGE AND RESIDUAL FUEL REMOVAL

0 2 5 0 2 . 0

GALLONS RESIDUAL FUEL REMOVED

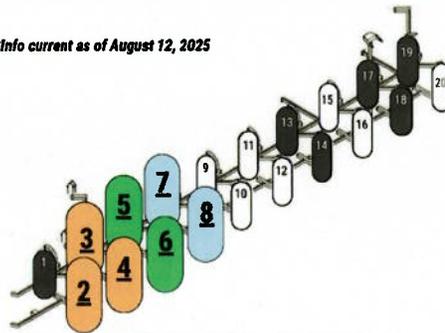
**As of August 12, 2025*

0 0 3 2 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.

**Info current as of August 12, 2025*



- Step 1 – Preparation (Approx. 2-3 months):**
 - Isolate tank and disconnect piping
 - Install tank ventilation equipment and inject water to soften sludge
 - Remove flowable sludge
 - Begin tank ventilation with forced air
- Step 2 – Remove Solid Sludge (Approx. 2-3 months):**
 - Inspect and repair central tower and catwalk
 - Install center tower elevator; load test tower and catwalk
 - Remove solid sludge
- Step 3 – Pressure Washing (Approx. 1-2 months):**
 - Set up pressure washing system and
 - Pressure wash with 3% Simple Green
 - Rinse, continuously removing rinsate
 - Dry tank interior and validate cleanliness; submit cleaning report
 - Receive regulatory agency final approval that tank is clean
- Step 4 – Tank Decommission (Approx. 1-2 Months):**
 - Remove booms and infrastructure
 - Install permanent lockable steel hatch at the entrance

Black tanks were empty and out of service prior to defueling.



RED HILL
HIGHLIGHTS
20th Edition; Aug. 05, 2025

The mission of Navy Closure Task Force - Red Hill (NCTF-RH) is to execute the permitted decommissioning of the Red Hill Bulk Fuel Storage Facility (RHBF) safely and expeditiously, and continue long-term environmental remediation in coordination with State and Federal regulators in order to protect public health and the environment.

Tank Cleaning Update: Degassing and Pressure Washing

Tank 2 degassing operations at the Red Hill Bulk Fuel Storage Facility are complete with no significant impacts to air quality. Air quality monitoring data is available on the NCTF-RH website and mobile app.

NCTF-RH began pressure washing tank 5 at the facility and is preparing to begin pressure washing operations in tank 6 in the coming weeks.

The pressure washing process, which is approved by the Environmental Protection Agency (EPA) and Hawaii Department of Health (DOH), includes using a mixture of up to 3% Simple Green cleaning solution and 97% reclaimed filtered water from the Red Hill Shaft.

As directed by DOH, the wash water, which is generated from pressure washing, is tested for a full spectrum of analytes beyond the normal hazardous waste characterization required by the EPA. Once tested, NCTF-RH oversees the transport of it to a DOH-approved facility on island where it is managed according to their permit.

Following pressure washing, the surface of the tank will be visually inspected by the Navy cleaning contractor in accordance with their quality control plan, and NCTF-RH personnel will conduct a quality assurance check. Per the approved Tank Cleaning Verification Plan, an independent third-party validator will then inspect and certify the tank surfaces are clean, and the Navy will submit a cleanliness validation report to the regulators for approval before beginning the tank decommissioning process.



Source: Navy Closure Task Force - Red Hill



UPCOMING EVENTS

August 27th

- Pearl Harbor –Hickam –Kalaeloa Restoration Advisory Board (RAB)
6-8 PM at the Oahu Veteran's Center at 1298 Kukila Street

September 24th

- BWS Monitoring Well Community Meeting
6PM at the Aiea Public Library at 99-374 Pohai Place





MAHALO!

August 2025 Red Hill Updates

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

ITEM FOR INFORMATION NO. 2

“August 25, 2025

FINANCIAL
UPDATE FOR THE
QUARTER ENDED
JUNE 30, 2025

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, 2025

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:

Leanne Matsumoto, Waterworks Controller, Finance Division, gave the report.

Board Member Lance Wilhelm commented that he understands the BWS is understaffed. However, the personnel budget does not account for vacant positions; instead, it reflects the total full-time equivalent (FTE) positions.

Manager Ernest Lau stated that the BWS's authorized FTE is 741; however, the actual employed employee count is 550. The BWS is currently undergoing a reorganization process and converting its multi-skilled worker (MSW) program from a temporary civil service status to a permanent civil service program as it continues to try to fill positions. He explained that the BWS only budgets positions that are currently filled and estimated positions that may be filled within the fiscal year.

Board Member Wilhelm commented that these reports and snapshots are helpful. However, comparing the numbers of staffing positions to FTEs, whether budgeted or not, year over year, reveals that it's not sustainable.

Manager Lau responded that BWS requires a larger workforce but faces challenges in filling specialized or highly skilled positions, such as engineering roles. He mentioned that compensation plays a significant role in filling positions.

Board Member Wilhelm suggested considering a comparison with other City departments. He commented that other City departments and the private sector may also be facing the same challenges in filling technical positions.

Manager Lau replied that the BWS will work on a comparison to present to the Board at the next update.

Board Member Gene Albano shared that the City's budget is set on an annual basis and therefore, departments must account for the ultimate number of staff. However, it would be impractical to expect each department to fill 100% of its vacant positions; therefore, understanding which positions are most critical and hiring those positions would be the primary goal. For example, the Department of Facility Maintenance (DFM) identified that manual labor positions are in the greatest need.

Manager Lau stated that the BWS Human Resources Offices (HRO) also report on their recruitment and separation status, which indicates that the BWS employee count has remained flat.

Chair Anthony suggested that the next Recruitment Status and Financial Update be presented during the same Board meeting to facilitate understanding, comparison, and discussion.

Board Member Albano shared that his department, DFM, has successfully filled positions and reduced the number of vacancies. He noted that filling positions often requires generating new ideas, adjusting and pivoting, and encouraging others in similar vacant positions to advocate for them. He shared that he personally went out to recruit candidates and highlighted the positive values of becoming a public servant, aside from the financial benefits. Being able to communicate these values to a candidate makes all the difference, even if it's just one of 10.

Manager Lau added that retaining employees is also essential.

At 2:34 PM, Chair Anthony announced that Board Member Bryan Andaya joined the Board meeting via Zoom.

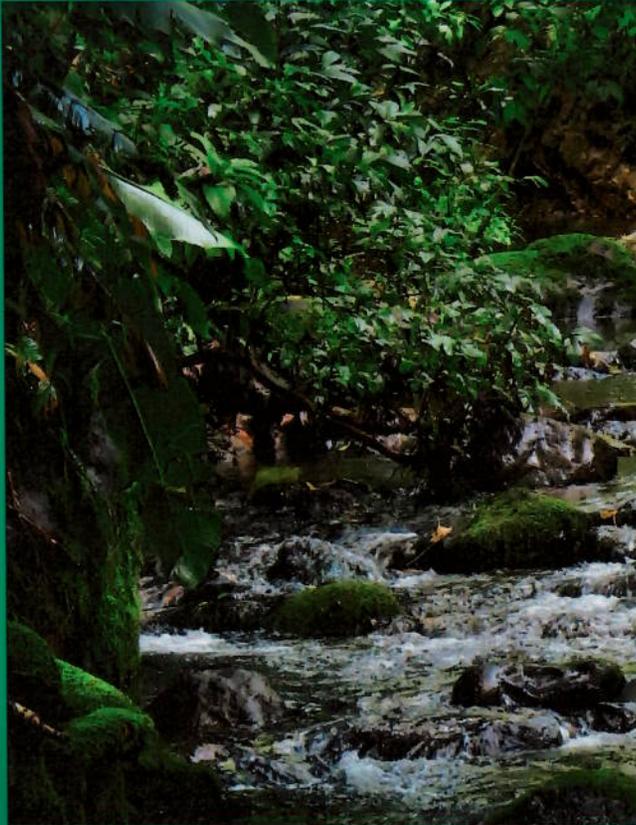
Michele Thomas, Executive Assistant I, Human Resources Office, shared that the HRO has been proactive in recruiting and has had Manager Lau involved in the process, joining various career fairs. The HRO faces multiple challenges and is implementing different strategies to address difficult-to-fill positions, including highly skilled, high-turnover, and managerial and supervisory roles. Since the permitted interaction group has been formed, Manager Lau and Ms. Thomas have made themselves

available to answer any questions and share the challenges of recruiting for civil service positions.

Ms. Thomas added that during each fiscal year's budgeting process, each division must determine and indicate which position(s) will be filled during the fiscal year, as the BWS and the City budget differently due to the distinction between where funds originate, the general coffer versus water rates revenues. The HRO will continue to work on innovative recruitment efforts.

Manager Lau stated that he does not have the answer to how to fill vacant positions; however, he is open to any ideas and suggestions. He mentioned that Ms. Thomas's following report will be scheduled at the same time as the Financial Update.

Chair Anthony suggested that future reports include identifying critical junctures and a roster of projects ready for proposal (RFP).



FINANCIAL
PERFORMANCE
JULY 2024–JUNE 2025

Leanne Matsumoto
August 25, 2025
boardofwatersupply.com



BUDGET TO ACTUAL JULY 2024 – JUNE 2025

- Actual Revenue \$322.1 million vs.
- Budgeted Revenue \$299.2 million

- Operating costs are \$231.3 million vs.
- Budgeted costs of \$272.6 million

- Actual Net Revenue \$90.8 million vs.
- Budgeted Net Revenue \$26.6 million



COST DRIVERS

Year to Date June 2025

	Actual (millions)	Budget (millions)
• Personnel	\$49.3	\$64.2
• Material, Supplies & Services	\$72.6	\$88.3
• Equipment	\$ 3.1	\$ 5.9
• Debt Service	\$ 42.2	\$42.5
• Utilities	\$ 29.5	\$38.3



OPERATING BUDGET VS ACTUAL

FY2025 4TH QUARTER: JUL 24 – JUN 25

BUDGETED EXPENDITURES ARE \$272.6M VS. ACTUAL EXPENDITURES OF \$231.3M
OF THE \$41.3M VARIANCE...

Fixed Charges - \$15.2M Under Budget

- Electric Power (\$8.8M Under)
- Miscellaneous Payroll (\$7.0M Under)

Field Operations - \$8.0M Under Budget

- Materials & Supplies (Storeroom) (\$2.2M Under)
- Other Contractual Services (\$1.9M Under)
- Salaries and Wages (\$1.6M Under)
- Emergency & Contracted Road Repairs (\$1.0M Under)

Water System Operations - \$4.3M Under Budget

- General Plant and Equipment over \$5K (\$1.5M Under)
- Salaries and Wages (\$1.5M Under)
- Professional Services (\$1.2M Under)

Information Technology - \$3.4M Under Budget

- Other Contractual Services (\$2.2M Under)

Executive Support Office - \$3.2M Under Budget

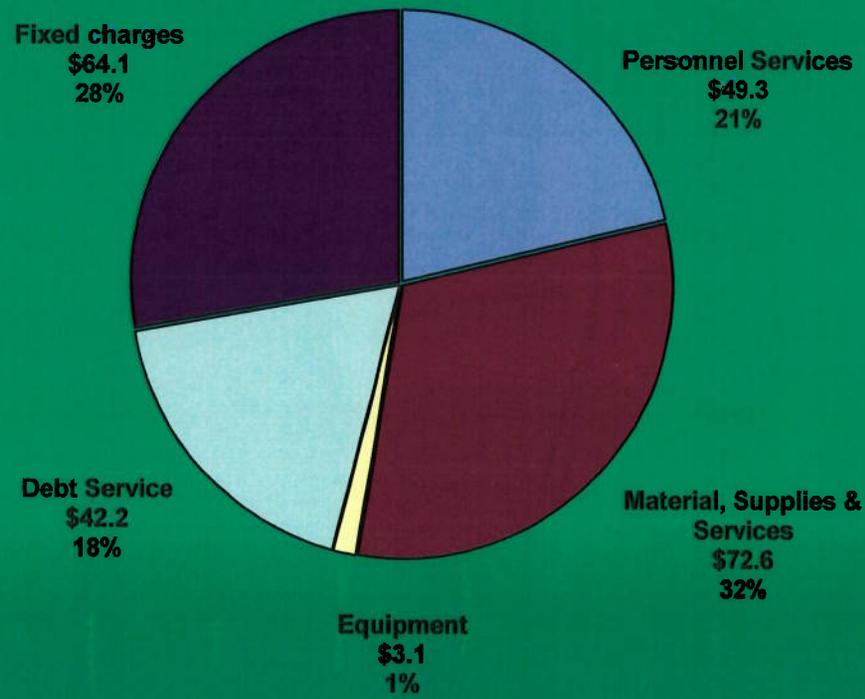
- Professional Services (\$3.4M Under)

Water Resources - \$2.2M Under Budget

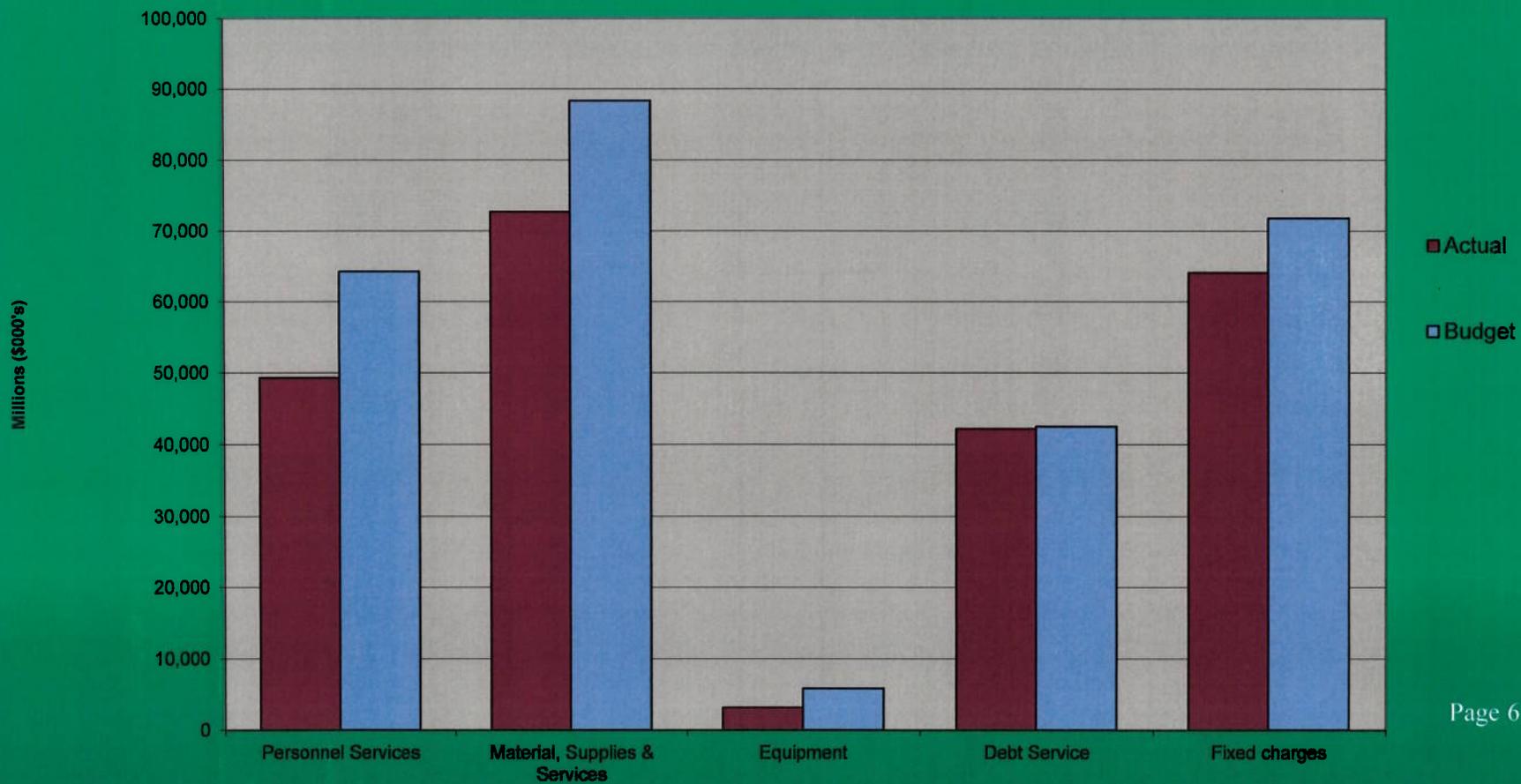
- Other Services (\$1.2M Under)



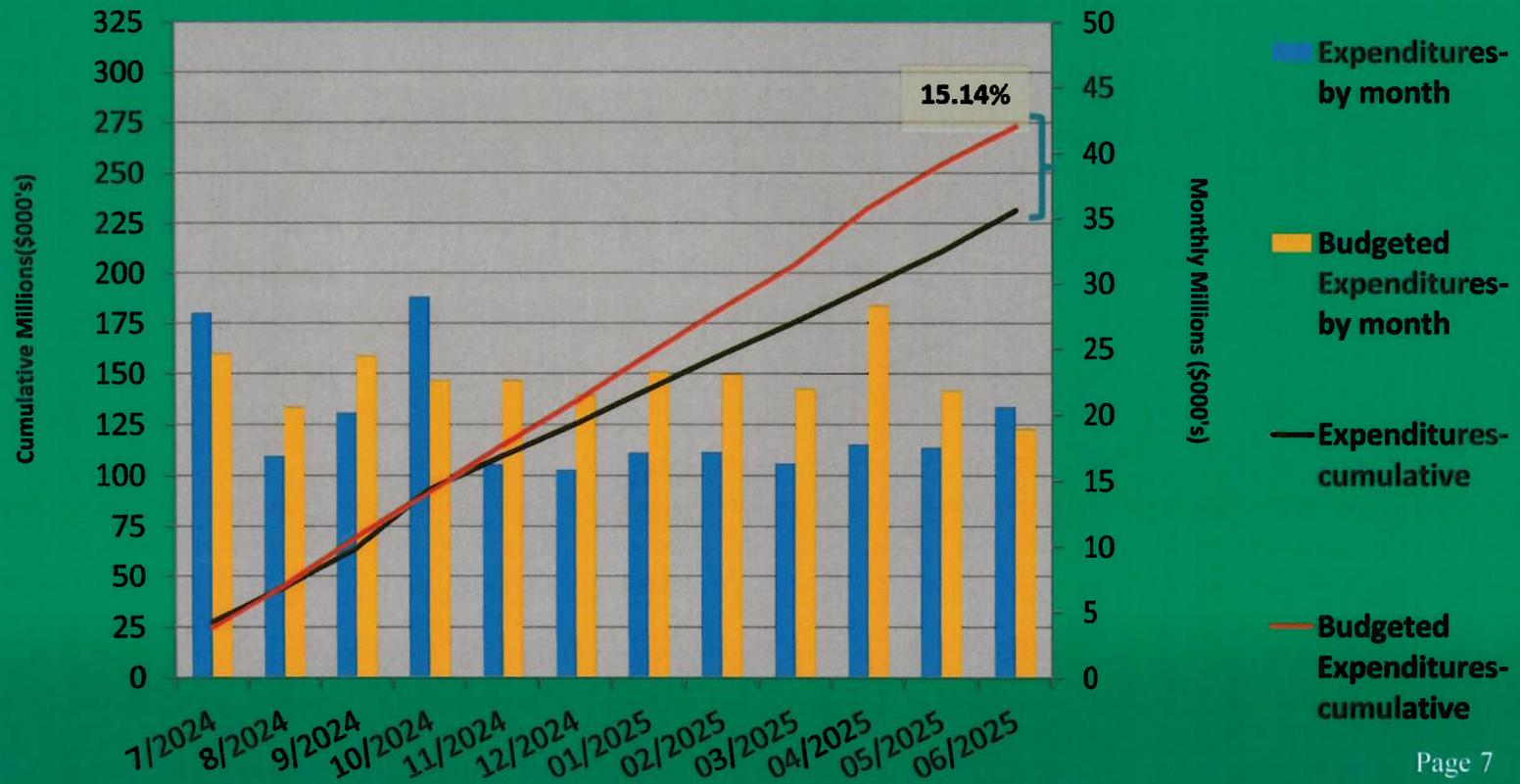
Total Operating Expenditures - \$231.3
As of June 30, 2025
(millions of dollars)



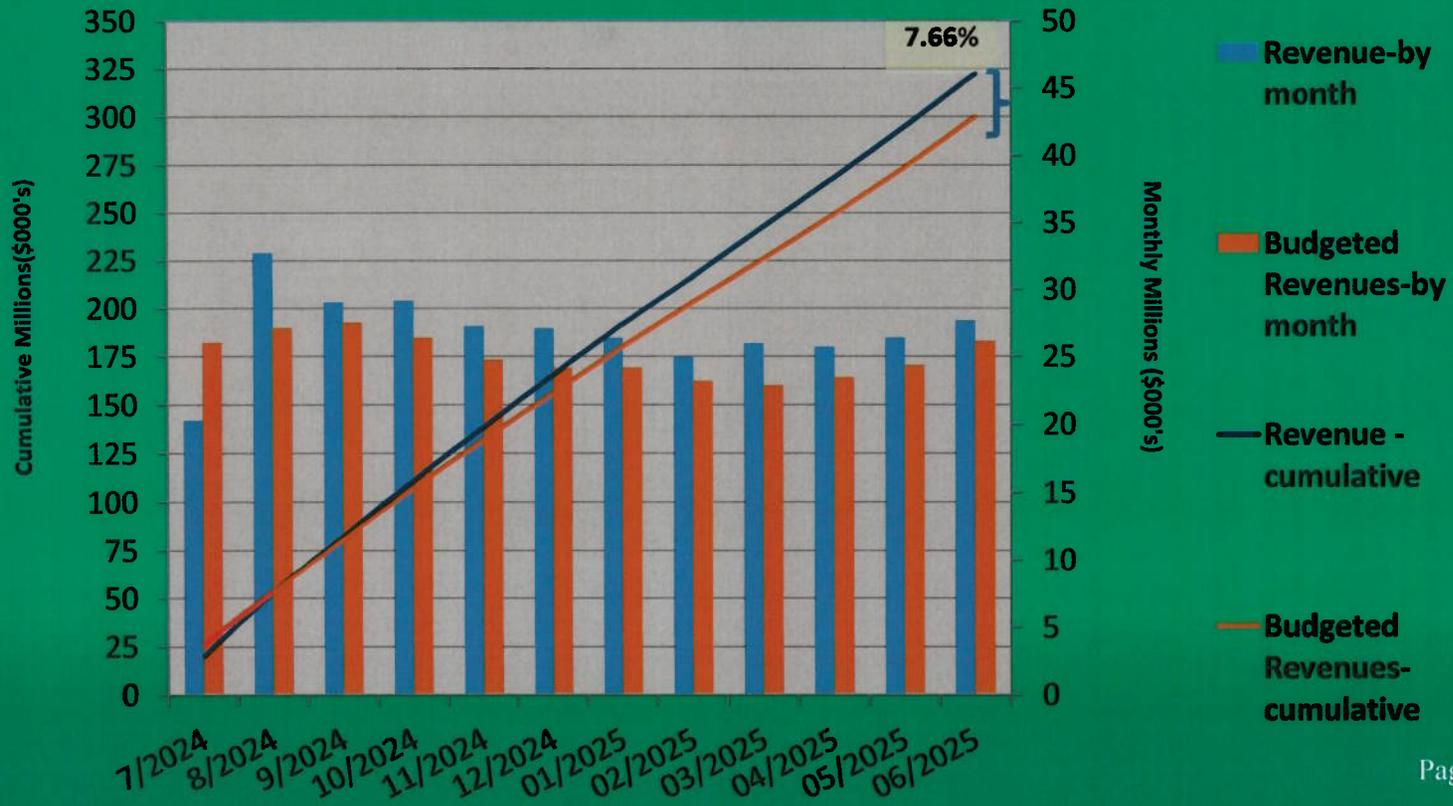
Operating Expenditures by Category (Budget vs. Actual)
As of June 30, 2025



BUDGETED OPERATING EXPENDITURES FY 2025



BUDGETED OPERATING REVENUES FY 2025





Mahalo!

BOARD OF WATER SUPPLY

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Page 9



**Budget vs. Actual
Revenue and Expense Totals
As of June 30, 2025**

	YTD Actuals	YTD Budget	Favorable/ (Unfavorable) Variance
Revenues	322,116	299,200	22,916
Operating Expenses	(231,343)	(272,620)	41,277
Net Revenues (expenditures)	<u>90,773</u>	<u>26,580</u>	<u>64,193</u>

Board Of Water Supply
Statement of Revenues, Expenses And Change In Net Assets
As of June 30, 2025

Current Month Actual	% Revenue	Last Year Actual	% Revenue	Description	Year to Date Actual	% Revenue	Last Year to Date Actual	% Revenue	% Change
REVENUE									
25,372,592.60	100.00	22,563,761.34	100.00	OPERATING REVENUE	303,052,017.74	100.00	260,139,438.24	100.00	16.50
25,372,592.60	100.00	22,563,761.34	100.00	REVENUE	303,052,017.74	100.00	260,139,438.24	100.00	16.50
OPERATING EXPENSES									
6,469,333.80-	25.50	3,505,814.96-	15.54	LABOR COSTS	45,830,317.46-	15.12	40,721,226.15-	15.65	12.55
2,546,878.28-	10.04	6,685,593.05-	29.63	SERVICES	35,949,440.91-	11.86	41,895,917.80-	16.11	14.19-
482,817.50-	1.90	367,120.30-	1.63	SUPPLIES	7,962,471.86-	2.63	7,710,893.17-	2.96	3.26
21,757.38-	.09	27,787.38-	.12	EDUCATION & TRAINING	122,181.58-	.04	139,078.08-	.05	12.15-
645,240.90-	2.54	4,731,809.19-	20.97	UTILITIES	26,769,666.58-	8.83	30,294,963.83-	11.65	11.64-
185,458.32-	.73	902,075.59-	4.00	REPAIR AND MAINTENANCE	2,505,226.47-	.83	5,380,011.04-	2.07	53.43-
114,090.47	.45	770,686.96-	3.42	MISC	19,067,061.96-	6.29	19,445,482.21-	7.48	1.95-
2,134,135.57-	8.41	6,902,336.34	30.59	RETIREMENT SYSTEM CONTRIBUTIO	27,688,228.42-	9.14	16,668,060.63-	6.41	66.12
13,180.22	.05	369,853.50-	1.64	MISC EMPLOYEES' BENEFITS	726,454.87-	.24	792,316.80-	.30	8.31-
12,358,351.06-	48.71	10,458,404.59-	46.35	OPERATING EXPENSES	166,621,050.11-	54.98	163,047,949.71-	62.68	2.19
2,940,943.11	11.59	14,184,230.39	62.86	NON OPERATING REVENUE AND EXPE	41,204,355.87	13.60	28,948,740.25	11.13	42.34
834,949.12	3.29	8,716,416.15	38.63	CONTRIBUTION IN AID	28,378,551.62	9.36	20,902,707.22	8.04	35.76
197,923.41-	.78	76,309.31-	.34	LEASE	887,970.10-	.29	879,421.76-	.34	.97
9,509,216.68-	37.48	7,034,905.96-	31.18	OTHER EXPENSES	63,453,190.02-	20.94	56,551,753.47-	21.74	12.20
7,082,993.68	27.92	27,894,788.02	123.63	Change In Net Assets	141,672,715.00	46.75	89,511,760.77	34.41	58.27

Board Of Water Supply
Balance Sheet
As of June 30, 2025

Description	***** Amounts *****			***** Change *****	
	Current	Last Month End	Last Year End	This Month	This Year
ASSETS					
CURRENT ASSETS	61,330,849.74	71,201,860.49	57,517,335.79	(9,871,010.75)	3,813,513.95
RESTRICTED ASSETS	47,122,369.26	20,764,163.58	31,983,661.15	26,358,205.68	15,138,708.11
INVESTMENTS	748,047,933.65	754,823,913.24	748,196,553.97	(6,775,979.59)	(148,620.32)
OTHER ASSETS	11,413,370.24	12,008,723.85	14,330,634.83	(595,353.61)	(2,917,264.59)
PROPERTY / PLANT	1,481,810,190.29	1,484,392,230.86	1,433,736,995.20	(2,582,040.57)	48,073,195.09
DEFERRED OUTFLOWS OF RESOURCE	10,639,878.00	10,639,878.00	10,639,878.00	-	-
DEFERRED OUTFLOWS OF RESOURCE	33,954,744.14	33,954,744.14	33,954,744.14	-	-
ASSETS	2,394,319,335.32	2,387,785,514.16	2,330,359,803.08	6,533,821.16	63,959,532.24
LIABILITIES					
CURRENT LIABILITIES	25,159,099.01	23,916,307.82	75,162,033.55	1,242,791.19	(50,002,934.54)
OTHER LIABILITIES	74,820,532.73	76,563,085.32	94,641,880.41	(1,742,552.59)	(19,821,347.68)
BONDS PAYABLE, NONCURRENT	522,842,610.17	522,890,667.50	529,823,881.53	(48,057.33)	(6,981,271.36)
LEASE LIABILITY	3,501,802.27	3,503,156.06	4,409,431.45	(1,353.79)	(907,629.18)
NET PENSION LIABILITY	128,552,203.00	128,552,203.00	128,552,203.00	-	-
NET OPEB LIABILITY	47,203,284.00	47,203,284.00	47,203,284.00	-	-
DEFERRED INFLOWS OF RESOURCES	16,099,869.00	16,099,869.00	16,099,869.00	-	-
LIABILITIES	818,179,400.18	818,728,572.70	895,892,582.94	(549,172.52)	(77,713,182.76)
NET ASSETS					
RETAINED EARNINGS	202,304,259.77	339,174,023.30	254,340,236.12	-	-
FUND BALANCE	594,633,831.66	594,633,831.66	594,633,831.66	-	-
RESERVE FOR ENCUMBRANCES	637,529,128.71	500,659,365.18	585,493,152.36	-	-
CURRENT YEAR CHANGES TO FU	141,672,715.00	134,589,721.32		7,082,993.68	141,672,715.00
NET ASSETS	1,576,139,935.14	1,569,056,941.46	1,434,467,220.14	7,082,993.68	141,672,715.00
TOTAL LIABILITIES AND NET ASSETS	2,394,319,335.32	2,387,785,514.16	2,330,359,803.08	6,533,821.16	63,959,532.24

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

(\$000's)

CIFIS 25820-3021

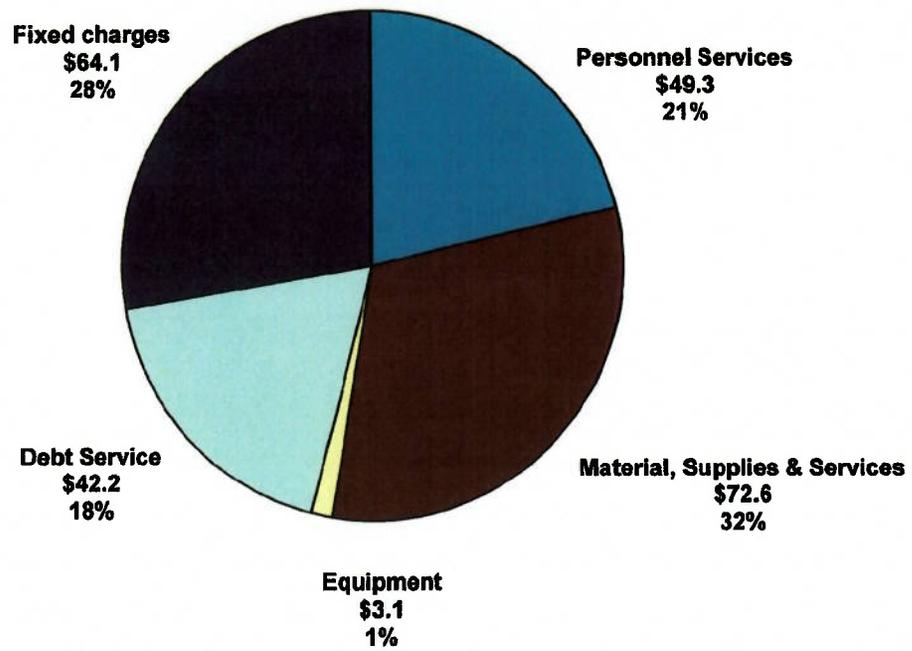
AS OF 6/30/2025

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>322,116</u>	<u>299,200</u>	<u>(22,916)</u>	<u>7.66-</u>	<u>REVENUE</u>	<u>322,116</u>		<u>299,200</u>	<u>(22,916)</u>	<u>7.66-</u>
				OPERATING EXPENSES:					
49,287	57,209	7,922	13.85	Personnel Services	49,287		57,209	7,922	13.85
				MATERIALS AND SUPPLIES					
37,795	48,671	10,876	22.35	Services	22,205	15,590	48,671	10,876	22.35
16,692	18,637	1,945	10.44	Supplies	13,382	3,310	18,637	1,945	10.44
227	447	220	49.22	Education & Training	226	1	447	220	49.22
				Utilities					
6,775	4,453	(2,322)	52.14-	Repairs & Maint	5,857	918	4,453	(2,322)	52.14-
11,205	16,077	4,872	30.30	Misc	8,268	2,937	16,077	4,872	30.30
				Equipment					
3,145	5,857	2,712	46.30	Equipment	299	2,846	5,857	2,712	46.30
				Debt Service					
42,155	42,497	342	.80	Debt Service	42,155		42,497	342	.80
				FIXED CHARGES:					
29,617	38,444	8,827	22.96	Utilities	29,617		38,444	8,827	22.96
3,300	3,519	219	6.22	Case Fees	3,300		3,519	219	6.22
16,142	16,529	387	2.34	Retirement System Contribution	16,142		16,529	387	2.34
15,003	20,280	5,277	26.02	Misc Employees' Benefits	14,851	152	20,280	5,277	26.02
<u>231,343</u>	<u>272,620</u>	<u>41,277</u>	<u>15.14</u>	<u>TOTAL OPERATING EXPENDITURES</u>	<u>205,589</u>	<u>25,754</u>	<u>272,620</u>	<u>41,277</u>	<u>15.14</u>
<u>90,773</u>	<u>26,580</u>	<u>(64,193)</u>		<u>NET REVENUES (EXPENDITURES)</u>	<u>116,527</u>	<u>(25,754)</u>	<u>26,580</u>	<u>(64,193)</u>	

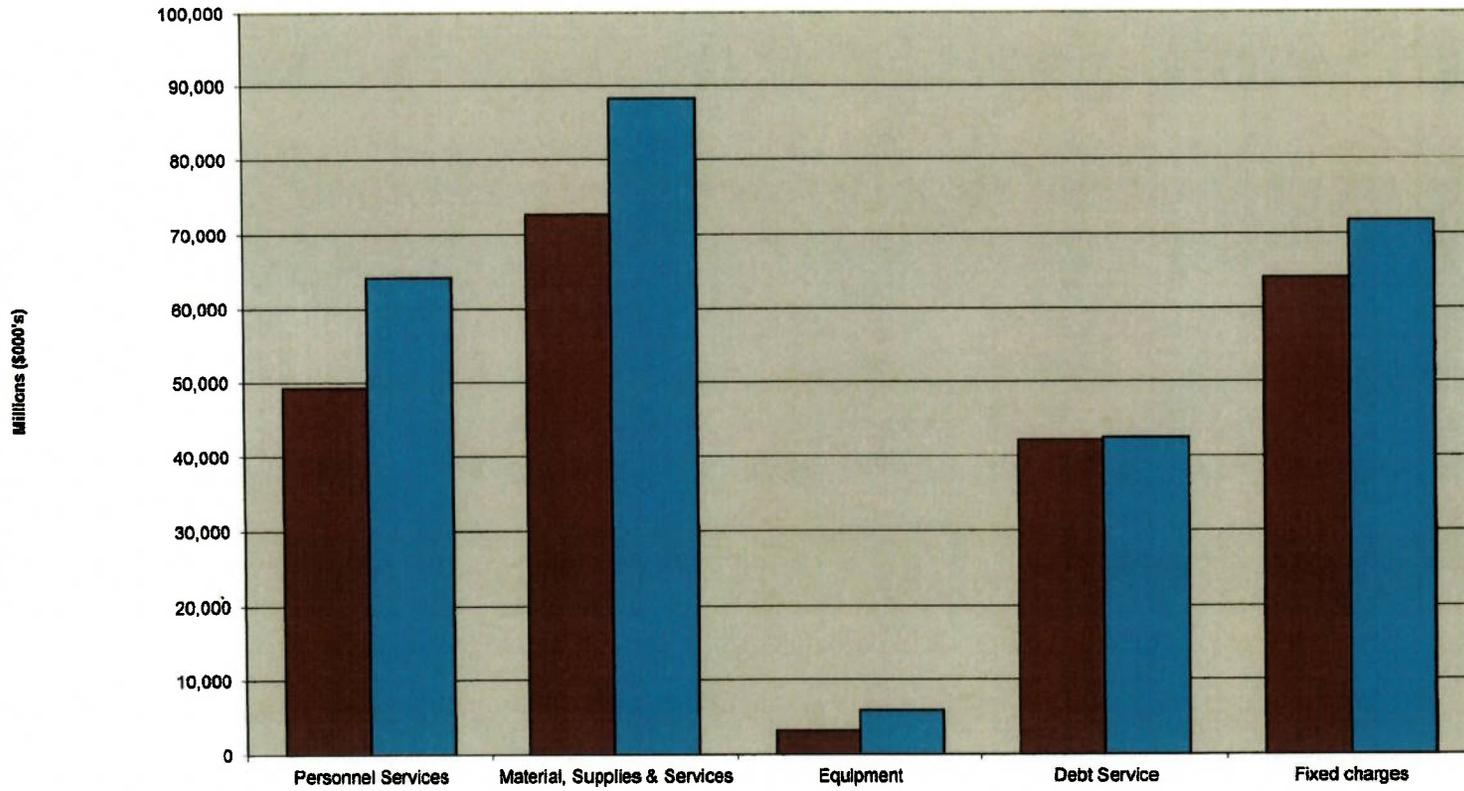
Total Operating Expenditures - \$231.3
As of June 30, 2025
(millions of dollars)



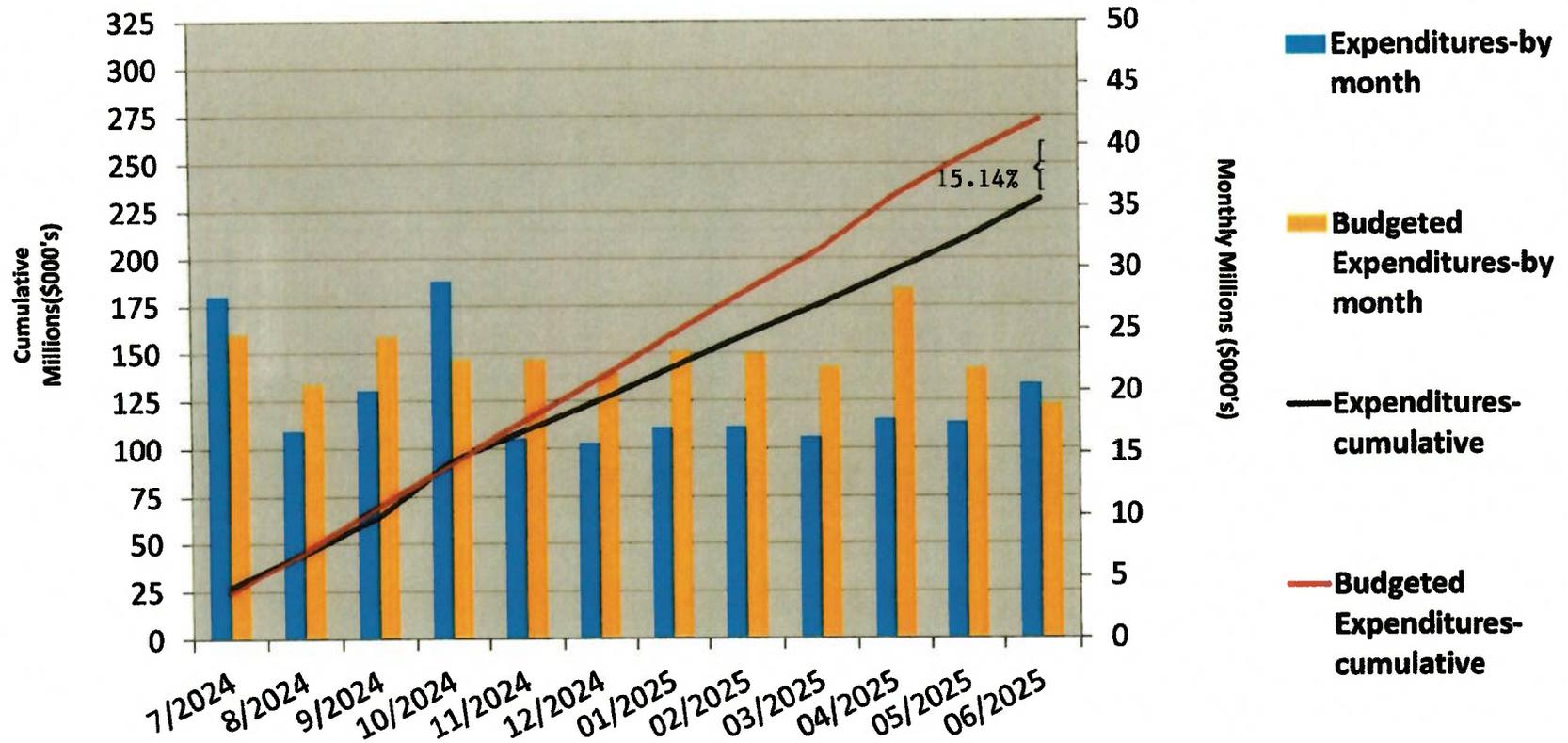
**Operating Expenditures by Category (Budget vs. Actual)
As of June 30, 2025**

■ Actual

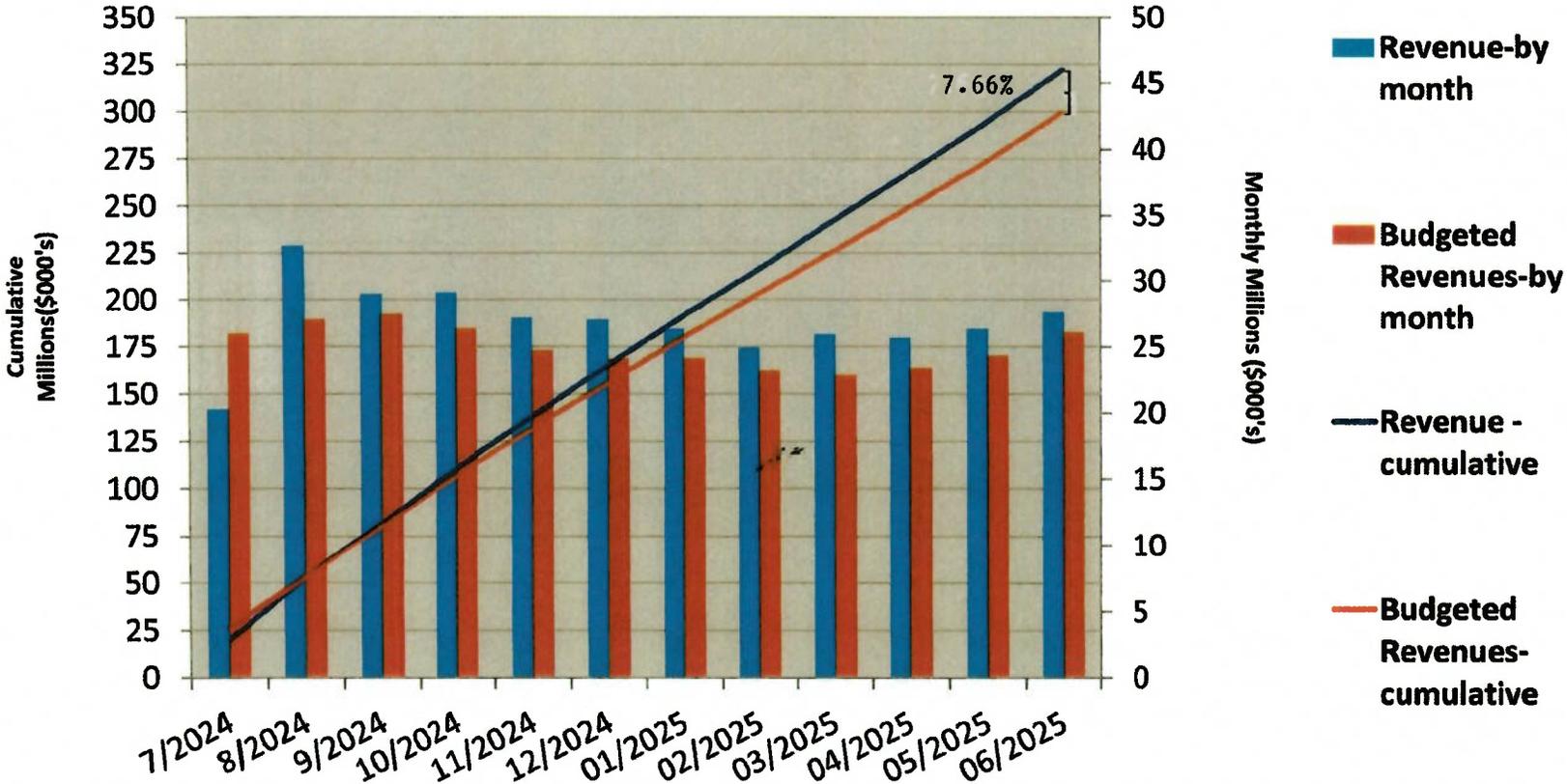
■ Budget



BUDGETED OPERATING EXPENDITURES FY 2025



BUDGETED OPERATING REVENUES FY 2025



7.66%

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

ITEM FOR INFORMATION NO. 3

“August 25, 2025

CAPITAL
IMPROVEMENT
PROGRAM
SEMI-ANNUAL
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 and Revisions to Fiscal Year 2025 Operating and Capital Improvement Program Budgets

Patrick Chun, from the Capital Projects Division, and Raelynn Nakabayashi, from the Executive Support Office, will provide updates on the execution of the Fiscal Year 2025 Capital Improvement Program Budget and Revisions to the Fiscal Year 2025 Operating and Capital Improvement Program Budgets, respectively.

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 I, Executive Support Office, gave the report.

Board Member Wilhelm commented that the BWS is spending the budgeted amount; however, he expressed concern about the number of additional design projects being added to the budget. He inquired about the amount of backlog created when design projects are added but not built.

Manager Lau stated that the construction phase is a challenge due to the permitting process.

Mr. Patrick Chun explained that for the design projects, the Division tries to balance capacity to put out projects and project priorities, and tries to complete as many projects as possible. However, on the construction side, projects tend to accumulate. The BWS continues to work through the contracts and tries to get them resolved and closed to minimize delays.

Board Member Wilhelm noted that determining the size of the future CIP accumulation is challenging, given the design completion, completion rate, contract condition, and whether the CIP list is expanding.

Manager Lau explained that there are some challenges, including the need to secure permits before breaking ground. Some involve the challenges associated with state historic preservation and navigating the process outlined in the Hawai'i Revised Statutes (HRS) 6e and Section 106, particularly when utilizing federal funding. As the BWS progresses through its projects, it will address any issues that may arise. He commended Mr. Chun for the great job he is doing and moving projects towards completion.

Board Member Wilhelm commented that the BWS is doing excellent designing and planning in advance; however, completing a project is taking longer than expected. He expressed concern that nothing is being completed, despite the rate increases having gone into effect. He suggested that the BWS provide information that would give the Board Members and the public an overall picture of BWS CIP projects.

Manager Lau responded that the BWS will develop a presentation to provide a visual picture.

Board Member Albano inquired if awarding the project is what is holding the CIP from moving forward.

Manager Lau replied that the awarding process is not holding the project back, but rather by the permitting process and the receipt of the Notice to Proceed (NTP) to commence construction, as well as the challenges encountered during construction, the change orders, and how issues and disputes are resolved between the contractor and the BWS. If the contract files a lawsuit and is litigated in court, the project is slowed down even more.

Chair Anthony noted that the BWS has highlighted the construction challenges primarily related to permit acquisition, which is reflected in the graph's hockey stick pattern, illustrating the completion of CIP projects throughout the fiscal year. He mentioned that Board Member Edwin Sniffen, the Director of the State of Hawai'i Department of Transportation (HDOT), has utilized effective tools and resources to complete some of his department's projects, which could be useful for the completion of BWS CIP projects.

Manager Lau commented that the BWS has been closely watching Board Member Sniffen complete HDOT projects.

Chair Anthony referred to slide seven and stated that the first two large projects on the list are the Kalaeloa Sea Water Desalination Facility, followed by the Lead and Copper Rule Improvements (LCRI) Implementation, which does not contribute to reaching the 20 miles of pipe replacement a year goal. He commented that he wonders if this is a convention of how the BWS is defining success. Chair Anthony stated that the BWS, unfortunately, had to shift its CIP in the past three years to focus on replacing capacity and resources that were affected, causing a

ripple effect in the BWS's force. However, the BWS claims success, having replaced 20 miles of pipeline annually. Notably, the funding for the top four CIP projects remains unencumbered and is unrelated to pipeline replacement. In that case, the BWS may need to consider various factors defining its success, such as the budget planning process and CIP project planning in each phase, to avoid any lawsuits.

FUNDING FOR LARGE PROJECTS – NOT ENCUMBERED

- \$49,700,000 - Kalaheoa Sea Water Desalination Facility
 - WIFIA Funding – WIFIA Loan still in progress
- \$28,576,000 - Lead and Copper Rule Improvements (LCRI) Implementation
 - SRF Funding – Inventory accepted by DOH as submitted
- \$7,500,000 - Mākaha Shaft Tunnel Rehabilitation
 - Improvement (Bond) Funding – defer due to water quality
- \$5,000,000 - Temporary Drinking Water Treatment Systems
 - Operating (Cash) Funding – reprogram into FY26



Chair Anthony stated that the Board of Directors is made up of members from the private sector, City Department, and State Department, sharing different views and suggestions for the betterment of the agency.

Board Member Wilhelm shared his view on the duties of a Board Member, stating that as a board member, they should share and discuss the different metrics and strategies, and come to an agreement on how to move forward and help achieve the BWS's goal. With his construction expertise, he could provide valuable tips on managing construction volume, cap, and burn rate, help identify any issues that may require more resources, and work out a plan. He noted that unless metrics are discussed and measured, and a plan is put into place, it would remain anecdotal.

Manager Lau noted that this is an ideal opportunity to discuss the metrics for measuring success, as the BWS is currently working on the Water Master Plan Update, which incorporates these metrics. He welcomes any comments and input.

Board Member Bryan Andaya commented that he is pleased the BWS is taking the opportunity to address the ongoing issues surrounding its CIP. He also commented that filling vacant key positions in the Capital Projects Division, determining the percentage is overdue, and examining the causes of delays in the CIP would be beneficial.

Chair Anthony asked Board Member Sniffen to chime in and share how he's been able to overcome permitting challenges.

Board Member Edwin Sniffen commented that most departments have encountered issues with the State Historic Preservation Division (SHPD). The SHPD has since added capacity to its workforce to expand its capabilities beyond the Department of Transportation (DOT), which will help expedite the permitting process. He suggested that the infrastructure community come together and build a partnership with SHPD that would benefit all departments and agencies statewide, including the BWS. Board Member Sniffen shared that SHPD has restructured its department and praised their efficiency and the good job they are doing.

Board Member Sniffen also commented that another piece of the SHPD's project delivery is the contractors. He shared that the DOT is moving forward with open-ended contracts with engineering, planning, and construction firms to eliminate the time it would take to find a company to procure a project. It also reduces and eliminates a significant amount of wait time for a project, saving money on material costs.

Board Member Wilhelm inquired if the multiple award task order contracting (MATOC) can be used.

Board Member Albano asked if IDIQ can be implemented into the annual CIP budget.

Mr. Chun shared that the BWS has a similar setup as the DOT. The BWS has a variety of design IDIQ contracts, including time and materials, electrical designs, civil, hazardous material, and archaeology contracts.

Board Member Albano inquired if the BWS has the same setup for the construction side of CIP projects.

Manager Lau replied that the BWS is working to expand that same idea on the construction side. He shared that the BWS meets with the SHPD monthly to discuss the BWS backlog list and critical projects on the list. Manager Lau also mentioned that the BWS meets with Jessica Puff, Program Administrator at the SHPD, every month. Ms. Puff and Board Member Sniffen both suggested that the BWS enter into a programmatic agreement and Memorandum of Agreement (MOA), which would allow a BWS employee with the same qualifications and delegated authority to perform the same type of work that SHPD would do and be of low risk to them. The SHPD would delegate the authority to the BWS to conduct its own review and approval, and then report back to them regularly. The BWS is currently procuring a consultant to assist with a programmatic agreement, enabling the use of federal funds under HRS Section 106 and HRS 6e. He stated that it may not solve all the issues the BWS faces, but it will assist with the repetitive and low-risk steps required to expedite the SHPD process. Other projects, such as pipeline work in sensitive areas, may be a slower process due to the possible discovery of iwi kūpuna.

At 3:11 PM, Board Member Andaya disconnected from Zoom and left the Board meeting.

Manager Lau agreed with Board Member Sniffen's statement about all State and City departments and agencies coming together to assist SHPD. He said regular meeting with SHPD seems to be helping with prioritizing. However, the SHPD is not the only permit the BWS must acquire for some projects. Projects such as exploratory and monitoring wells, for which the BWS needs to drill and construct, require the approval of the Commission of Water Resource Management (CWRM). The BWS also meets with the Department of Land and Natural Resources (DLNR) monthly to address and prioritize projects. One of the biggest challenges for the BWS is obtaining the required permits. Manager Lau shared that the BWS has been granted by the Department of Permitting and Planning (DPP), through ordinance, the ability to self-permit, self-approve, and self-code review specific categories of work, which reduces some of the workload on the DPP.

Manager Lau spoke on the Lead and Copper Rule Improvement (LCRI) Implementation, which focuses on the removal of lead from the system. The BWS found no lead or copper in its system during its research and validation up to the meter. Unfortunately, the LCRI requires more investigation on the customer side of the meter, which would exceed the anticipated \$28 million (M).

Chair Anthony also wanted to recognize the BWS for all its efforts and hard work.



BOARD OF WATER
SUPPLY
FY 2025 CAPITAL
IMPROVEMENTS
PROGRAM BUDGET
EXECUTION

Patrick Chun, P.E.
August 25, 2025

boardofwatersupply.com

Quarterly Capital Improvement Program Status Report
All Divisions
as of June 30, 2025

Quarter Awarded	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Awarded to Date	Total Budgeted
Design Contracts Awarded (#/\$)	1	\$ 750,000.00	2	\$ 5,155,373.00	3	\$ 3,194,688.00	11	\$ 12,651,005.14	\$ 21,751,066.14	\$ 61,111,000.00
Construction Contracts Awarded (#/\$)	3	\$ 1,030,710.00	4	\$ 5,327,359.00	2	\$ 402,595.00	29	\$ 141,867,053.99	\$ 148,627,717.99	\$ 217,800,000.00
Land Purchases (#/\$)	0	\$ -	0	\$ -		\$ -		\$ -	\$ -	\$ 600,000.00
Project Totals	4	\$1,780,710.00	6	\$10,482,732.00	5	\$3,597,283.00	40	\$154,518,059.13	\$170,378,784.13	\$279,511,000.00

Quarter Completed	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Totals
Design Contracts Completed (#/\$)	2	\$ 1,304,678.60	1	\$ 1,500,580.05	2	\$ 627,226.90	0	\$ -	\$ 3,432,485.55
Construction Contracts Completed (#/\$)	5	\$ 14,554,188.00	0	\$ -	6	\$ 10,388,326.04	2	\$ 7,849,514.10	\$ 32,792,028.14
Totals	7	\$15,858,866.60	1	\$1,500,580.05	8	\$11,015,552.94	2	\$7,849,514.10	\$36,224,513.69

Ongoing Projects	
Ongoing Design Projects (#)	334
Ongoing Design Projects (\$)	\$169,739,888.90
Ongoing Construction Projects (#)	144
Ongoing Construction Projects (\$)	\$625,498,231.30



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

DESIGN AND CONSTRUCTION PROJECTS AWARDED - THIRD QUARTER FY 2025

Item #	Project Title	Expend Type	Budget Amount	Awarded
012E	Waianae Well Pump No. 1 Replacement	Const	379,595.00	379,595.00
040G	Waahila 405 Rock Removal	Const	23,000.00	23,000.00
006	Environmental Investigation of Emerging Contaminants	P&E	3,000,000.00	3,000,000.00
027	Topographic Survey for Service Lateral Replacements in Hawai'i Kai	P&E	150,000.00	89,946.00
41A	Engineering Building Marquee Canopy Replacement	P&E	104,742.00	104,742.00
3rd Quarter Totals			\$3,657,337.00	\$3,597,283.00

DESIGN AND CONSTRUCTION PROJECTS COMPLETED - THIRD QUARTER FY 2025

Job #	Project Title	Completion Date	Contract Amount
22-041	Security Fencing Improvements for Kunia 228 Reservoir Nos. 1	1/14/2025	3,082,942.00
22-010G	Punalu'u Wells III Replacement of Pump No. 1	2/28/2025	216,615.00
23-010J	Punalu'u Wells III Pump No. 1 Additional Brush and Bail	2/28/2025	16,300.00
17-040	Nu'uuanu Reservoir No. 4 Dam Improvements	2/20/2025	5,768,000.00
18-052G	Repair and Reroofing of Nu'uuanu 822 Reservoir	2/26/2025	762,169.04
2020-006	Waiawa 228 Reservoir Environmental Assessment	3/13/2025	377,226.90
22-040D	Access Road Repair and Drainage Improvements for Kalihi 614 Reservoir	3/20/2025	542,300.00
2019-001B	Technical and Professional Services for Various Construction Management Services	3/20/2025	250,000.00
3rd Quarter Totals			\$11,015,552.94



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

CONSTRUCTION PROJECTS AWARDED - FOURTH QUARTER FY 2025

Item #	Project Title	Expend Type	Budget Amount	Awarded
001A	Monitoring Well at Site S	Const	9,000,000.00	2,526,690.00
001B	Monitoring Well D2 at Site D	Const		1,642,869.00
001D	Monitoring Well at Site Y	Const		2,082,557.00
009	Waipi'o Heights Wells II Pump Replacement and Electrical Upgrades	Const	3,750,000.00	7,960,000.00
010	Waiau Booster No. 2 Renovation	Const	5,000,000.00	5,497,000.00
011	Pearl City Booster No. 3 MCC Replacement	Const	4,000,000.00	4,526,494.00
012G	Luluku Well Traffic Control	Const	6,400.00	6,400.00
012H	Iolekaa Well Pump No. 1 Pull and Inspect	Const	179,040.00	179,040.00
013A	Temporary Pump Connections Aina Haina Booster	Const	3,500,000.00	854,700.00
013B	Temporary Pump Connections Kamehame Booster I	Const		535,000.00
013D	Temporary Pump Connections Makakilo Booster II	Const		620,000.00
020	Keolu Hills Water System Improvements, Part II	Const	18,000,000.00	21,997,554.00
021	Mā'ilī'ili Road 20-Inch Main, Pa'akea Road to Luualaei Homestead Road	Const	7,500,000.00	9,401,903.00
022	Alī'ipoe Drive and Pa'ihī Street Area Water System Improvements	Const	13,000,000.00	9,220,000.00
023	Waiapo Place, Waihua Place and Waimomona Place Water System Improvements	Const	5,000,000.00	5,550,000.00
025	Service Lateral Replacement in Pālolo Area	Const	1,000,000.00	4,112,015.00
033	Mililani Wells I GAC Valve Replacement	Const	3,000,000.00	2,986,600.00
035	Mānana Wells Control Valve Installation	Const	2,000,000.00	1,555,000.00
036	Ka'ahumanu Wells Control Valve Renovation	Const	2,000,000.00	1,313,000.00
037	'āina Koa Booster Stations MCC Improvements and Repairs, Phase 3	Const	625,909.00	625,909.00
039A	Security Fencing at Kaimuki Pump Station	Const	613,129.00	613,129.00
040A	Kapolei 215' Reservoir No. 1 Repair	Const	6,000,000.00	843,150.00
040E	Aiea 277' Reservoir Repair	Const		2,577,719.00
040H	Keanu Line Booster Mute Structure	Const		1,344,000.00
040J	Beretania Public Service Building 4th Floor Multipurpose Room Audio Visual System	Const		706,588.99
045	Ma'akua Wells Unit No. 2	Const	5,750,000.00	6,528,500.00
048	East Kapolei 215 R-1 3.0 MG Reservoir	Const	20,000,000.00	15,824,610.00
049	Kualaka'i Parkway 16-Inch Recycled Water Main	Const	15,000,000.00	11,262,898.00
052	Kalaeloa Sea Water Desalination Facility	Const	68,700,000.00	18,973,728.00
4th Quarter Totals			\$193,624,478.00	\$141,867,053.99



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

DESIGN PROJECTS AWARDED - FOURTH QUARTER FY 2025

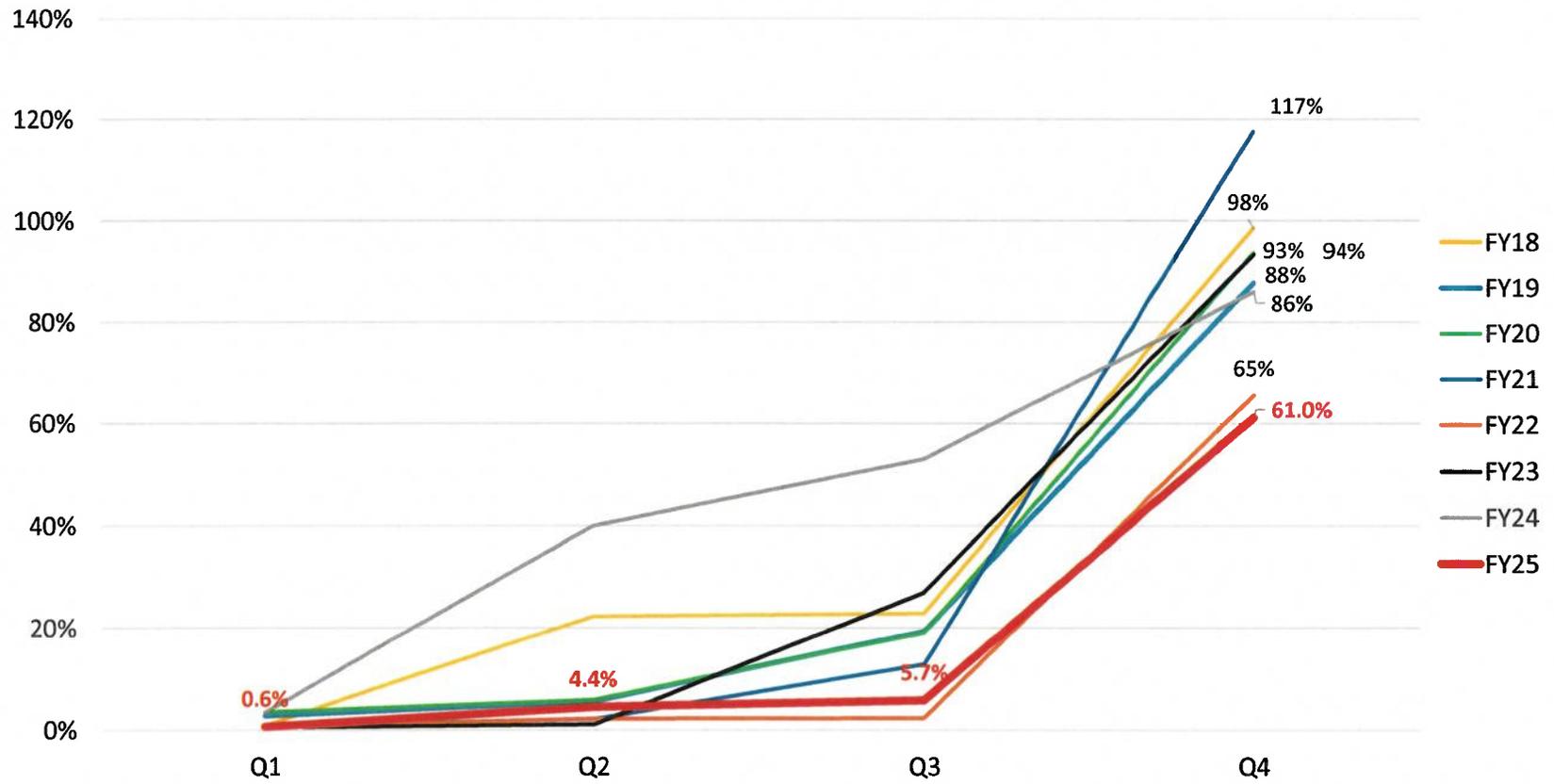
Item #	Project Title	Expend Type	Budget Amount	Awarded
004	Exploratory Wells for Red Hill Contamination Response – Waiiau 550'	P&E	1,638,834.00	1,638,834.00
005	BWS Water Master Plan Update	P&E	3,851,500.00	3,851,500.00
008	Construction Management for Various BWS - WSO Construction Projects	P&E	500,000.00	500,000.00
014	Wai'alaie Iki Booster No. 3 MCC Replacement	P&E	400,000.00	576,751.00
015	Hālawa Booster No. 1 Pump and MCC Replacement	P&E	450,000.00	668,823.91
016	'Ālewa Heights Booster No. 1 MCC Replacement	P&E	400,000.00	619,004.00
024	Farrington Highway 24-Inch Main Rehabilitation	P&E	1,500,000.00	1,714,856.23
029	'Ālewa Drive Water System Improvements, 'Ālewa Heights Booster 1 to Booster 2	P&E	769,185.00	769,185.00
038	SCADA System and Instrumentation & Controls Consultation and Support Services	P&E	2,300,000.00	1,700,000.00
041B	Reservoir Repair at Bella Vista 180, Haha'ione 500, Hawai'i Loa Ridge 1125 and Round Top 705	P&E	252,959.00	252,959.00
041D	Reservoir Repairs at Halawa 277, Moanalua 405 No. 2, Kailua Heights 390 No. 1 & 2, and Haiku 500 No. 2	P&E	359,092.00	359,092.00
4th Quarter Totals			\$12,421,570.00	\$12,651,005.14

DESIGN AND CONSTRUCTION PROJECTS COMPLETED - FOURTH QUARTER FY 2025

Job #	Project Title	Completion Date	Contract Amount
18-060	Kahuku Wells Unit No. 3	4/14/2025	\$3,083,355.00
17-051	Diamond Head Line Booster Replacement of Pumping Units	4/30/2025	\$4,766,159.10
4th Quarter Totals			\$7,849,514.10



Cumulative % Budget Execution by Quarter



FUNDING FOR LARGE PROJECTS – NOT ENCUMBERED

- \$49,700,000 - Kalaheo Sea Water Desalination Facility
 - WIFIA Funding – WIFIA Loan still in progress
- \$28,576,000 - Lead and Copper Rule Improvements (LCRI) Implementation
 - SRF Funding – Inventory accepted by DOH as submitted
- \$7,500,000 - Mākaha Shaft Tunnel Rehabilitation
 - Improvement (Bond) Funding – defer due to water quality
- \$5,000,000 - Temporary Drinking Water Treatment Systems
 - Operating (Cash) Funding – reprogram into FY26





Mahalo!

BOARD OF WATER SUPPLY

FY 2025 CIP Budget Execution

Patrick Chun, P.E.

boardofwatersupply.com

August 25, 2025



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

August 25, 2025

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.



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	+\$ 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

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		



BUDGET AMENDMENT NO. 2 – 3/17/25

	OPERATING	SRF	SPECIAL EX	IMPROVEMENT	EXTRAMURAL	WIFIA	TOTAL
AMENDMENT NO. 1 AMENDED TOTALS	79,460,000	106,876,000	7,110,000	48,275,000	20,000,000	54,670,000	316,391,000
AMENDMENT NO. 2							
#19 WAI'ALAE 180 3.0 MG RESERVOIR REPLACEMENT		(400,000)					(400,000)
#34 MĀKAHA SHAFT TUNNEL REHABILITATION				(7,500,000)			(7,500,000)
#46 MĀNOA WELL II UNIT NO. 2	(275,000)						(275,000)
#51 MILILANI WELLS II GAC INSTALLATION		(100,000)					(100,000)
CONTRACT ADJUSTMENT ACCOUNT	275,000	500,000		7,500,000			8,275,000
AMENDED TOTALS	79,460,000	106,876,000	7,110,000	48,275,000	20,000,000	54,670,000	316,391,000

JUSTIFICATION:

- Projects 19, 34, and 46: Deferred to Fiscal Year 2026. More time was needed to prepare these projects.
- Project 51: Funding was not needed.
- Contract Adjustment Account: Additional funds enabled the Department to execute projects. Due to economic uncertainty and volatility, the BWS needed more funding to award and complete projects.



BUDGET AMENDMENT NO. 2 SUMMARY

The following is a summarization of the FY 2025 Budget Amendment No. 2:

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
FY 2025 – Amendment No. 2	
Projects – Deferred	(\$ 8,275,000)
Contract Cost Adjustment Account	<u>+\$ 8,275,000</u>
FY 2025 CIP Budget (as Amended)	\$316,391,000

BUDGET AMENDMENT NO. 3 – 5/29/25

	OPERATING	SRF	SPECIAL EX	IMPROVEMENT	EXTRAMURAL	WIFIA	TOTAL
AMENDMENT NO. 2 AMENDED TOTALS	79,460,000	106,876,000	7,110,000	48,275,000	20,000,000	54,670,000	316,391,000
AMENDMENT NO. 3							-
#4 EXPLORATORY WELLS FOR RED HILL CONTAMINATION RESPONSE - WAI AU 550'	(111,166)						(111,166)
#5 BWS WATER MASTER PLAN UPDATE	(148,500)						(148,500)
#7 CONSTRUCTION MANAGEMENT FOR VARIOUS BWS CONSTRUCTION PROJECTS	(5,000,000)						(5,000,000)
#12 PUMP RENEWAL AND REPLACEMENT	(3,404,255)						(3,404,255)
#17 PUMP RENEWAL AND REPLACEMENT	(300,000)						(300,000)
#28 WATER MAIN INSTALLATION AND REPLACEMENT	(100,000)						(100,000)
#29 WATER SYSTEM IMPROVEMENT AT VARIOUS LOCATIONS	(230,815)						(230,815)
#30 WATER MAIN INSTALLATION AND REPLACEMENT	(100,000)						(100,000)
#37 PUMP STATION INSTRUMENTATION & CONTROLS	(874,091)						(874,091)
#43 PROFESSIONAL SERVICES FOR BWS PROJECTS	(300,000)						(300,000)
#44 PUMP STATION ASSESSMENT AND OPERATIONS/REPAIRS	(300,000)						(300,000)
CONTRACT ADJUSTMENT ACCOUNT	10,868,827						10,868,827
AMENDED TOTALS	79,460,000	106,876,000	7,110,000	48,275,000	20,000,000	54,670,000	261,721,000

JUSTIFICATION:

- Projects 4, 5, 12, 29, 37: Full funding was not needed, and the proposed amount reflects actual cost of the project.
- Projects 7, 17, 28, 30, 43, 44: Funding was not needed.
- Contract Adjustment Account: Additional funds enabled the Department to execute projects. Due to economic uncertainty and volatility, the BWS needed more funding to award and complete projects.

BUDGET AMENDMENT NO. 3 SUMMARY

The following is a summarization of the FY 2025 Budget Amendment No. 3:

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	+ \$ 1,000,000
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
FY 2025 – Amendment No. 2	
Projects – Deferred	(\$ 8,275,000)
Contract Cost Adjustment Account	+ \$ 8,275,000
FY 2025 CIP Budget (as Amended)	<u>\$316,391,000</u>
FY 2025 – Amendment No. 3	
Projects – Deferred	(\$ 10,868,827)
Contract Cost Adjustment Account	+ \$ 10,868,827
FY 2025 CIP Budget (as Amended)	<u>\$316,391,000</u>





Mahalo!

BOARD OF WATER SUPPLY

Revisions to the Fiscal Year 2025

Operating and
Capital Improvement Program Budgets

dependent and affordable
for now and into the future.

ITEM FOR INFORMATION NO. 4

“August 25, 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

Five aquifer index stations were in low groundwater condition for the production month of July 2025. Pearl City, Waipahu, and Waialua are in Caution Status. Kaimukī and Punalu'u are in Alert Status. The monthly production average for July 2025 was 147.32 million gallons per day.

The Board of Water Supply rainfall index for the month of July 2025 was 90 percent of normal, with a 5-month moving average of 94 percent. As of August 5, 2025, the Hawai'i Drought Monitor shows abnormally dry conditions primarily across the central, northwest, and southeast portions of O'ahu, grading to moderate drought conditions along the leeward coast. The National Weather Service is forecasting below-normal precipitation through at least September 2025.

Most monitoring wells exhibited decreasing head levels for the month of July 2025. This likely reflects the relatively lower rainfall over the past two months, combined with seasonally increasing production. Average monthly production for July 2025 is slightly higher than July 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.

Chair Anthony asked Mr. Barry Usagawa if he had any thoughts on the CIP.

Mr. Barry Usagawa commented that the BWS has some work to do, but the discussion will aid in updating its performance metrics, which are already being worked on. The BWS is also working on a 6-year CIP.

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

POTABLE

STATION	MGD
HONOLULU (1)	
KULIOUOU	0.06
WAILUPE	0.00
AINA KOA	0.00
AINA KOA II	0.00
MANOA II	0.94
PALOLO	1.43
KAIMUKI HIGH	2.49
KAIMUKI LOW	3.62
WILDER	9.01
BERETANIA HIGH	1.08
BERETANIA LOW	2.19
KALIHI HIGH	3.82
KALIHI LOW	2.67
KAPALAMA	0.62
KALIHI SHAFT	8.35
MOANALUA	0.41
HALAWA SHAFT	0.00
KAAMILO	0.00
KALAUAO	8.91
PUNANANI	12.31
KAHUMANU	0.43
HECO WAIU	2.73
MANANA	0.57
WAIALAE IKI	0.55
WELLS SUBTOTAL:	62.20
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.00
GRAVITY SUBTTL:	0.17
HONOLULU SUBTTL:	62.37

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.33
WAIMANALO III	0.00
KUOU I	1.22
KUOU II	0.44
KUOU III	0.70
LULUKU	0.85
HAIKU	0.28
IOLEKAA	0.00
KAHALUU	0.57
KAHANA	0.61
PUNALUU I	0.00
PUNALUU II	3.25
PUNALUU III	1.16
KALUANUI	1.25
MAAKUA	0.45
HAUULA	0.22
WELLS SUBTOTAL:	11.32
WAIM. TUNNELS I & II	0.00
WAIM. TUNNELS III&IV	0.23
WAIHEE INCL. WELLS	0.31
WAIHEE TUNNEL	4.59
LULUKU TUNNEL	0.17
HAIKU TUNNEL	0.24
KAHALUU TUNNEL	1.64
GRAVITY SUBTOTAL:	7.18
WIND. SUBTOTAL:	18.50

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.46
OPANA	0.94
WAIALEE I	0.44
WAIALEE II	0.00
HALEIWA	0.00
WAIALUA	1.84
N.SHORE SUBTOTAL:	3.67

STATION	MGD
MILILANI (4)	
MILILANI I	3.72
MILILANI II	0.00
MILILANI III	0.77
MILILANI IV	0.31
MILILANI SUBTOTAL:	4.79

STATION	MGD
WAHIAWA (5)	
WAHIAWA	1.26
WAHIAWA II	1.48
WAHIAWA SUBTOTAL:	2.73

STATION	MGD
PEARL CITY-HALAWA (6)	
HALAWA 277	0.00
HALAWA 550	0.00
AIEA	0.00
AIEA GULCH 497	1.07
AIEA GULCH 550	0.24
KAONOHI I	2.00
WAIMALU I	0.00
NEWTOWN	2.10
WAIU	1.87
PEARL CITY I	0.85
PEARL CITY II	1.04
PEARL CITY III	0.19
PEARL CITY SHAFT	0.92
PEARL CITY-HALAWA SUBTOTAL:	10.28

STATION	MGD
WAIPAHU-EWA (7)	
WAIPIO HTS.	2.08
WAIPIO HTS. I	0.73
WAIPIO HTS. II	0.36
WAIPIO HTS. III	1.17
WAIPAHU	5.80
WAIPAHU II	2.21
WAIPAHU III	3.40
WAIPAHU IV	3.06
KUNIA I	6.49
KUNIA II	2.02
KUNIA III	1.45
HOAEAE	6.01
HONOULIULI I	0.00
HONOULIULI II	5.37
MAKAKILO	0.00
WAIPAHU-EWA SUBTOTAL:	40.14

STATION	MGD
WAIANAE (8)	
MAKAHA I	0.88
MAKAHA II	0.00
MAKAHA III	0.74
MAKAHA V	0.74
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.00
WAIANAE I	0.00
WAIANAE II	0.23
WAIANAE III	0.67
WELLS SUBTOTAL:	3.26
WAI. C&C TUNNEL	1.40
WAI. PLANT. TUNNELS	0.18
GRAVITY SUBTOTAL:	1.58
WAIANAE SUBTOTAL:	4.84

NONPOTABLE

NONPOTABLE	MGD
KALAUAO SPRINGS	0.82
BARBERS POINT WELL	1.10
GLOVER TUNNEL NP	0.31
NONPOTABLE TOTAL:	2.24

RECYCLED WATER (JUNE 2025)

RECYCLED WATER	MGD
HONOULIULI WRF R-1	7.51
HONOULIULI WRF RO	1.48
RECYCLED TOTAL:	8.99

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

PRODUCTION SUMMARIES

TOTAL WATER	MGD
PUMPAGE	138.39
GRAVITY	8.93
POTABLE TOTAL:	147.32
NONPOTABLE	2.24
RECYCLED WATER	8.99
TOTAL WATER:	158.55

CWRM PERMITTED USE AND BWS ASSESSED YIELDS FOR BWS POTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE/ BWS YLDS	JUL 2024	DIFF. A-B
1	HONOLULU	83.32	62.20	21.12
2	WINDWARD	25.02	18.50	6.52
3	NORTH SHORE	4.70	3.67	1.02
4	MILILANI	7.53	4.79	2.74
5	WAHIAWA	4.27	2.73	1.54
6	PEARL CITY-HALAWA	12.25	10.28	1.97
7	WAIPAHU-EWA	50.83	40.14	10.49
8	WAIANAEE	4.34	4.84	-0.50
TOTAL:		192.06	147.15	44.90

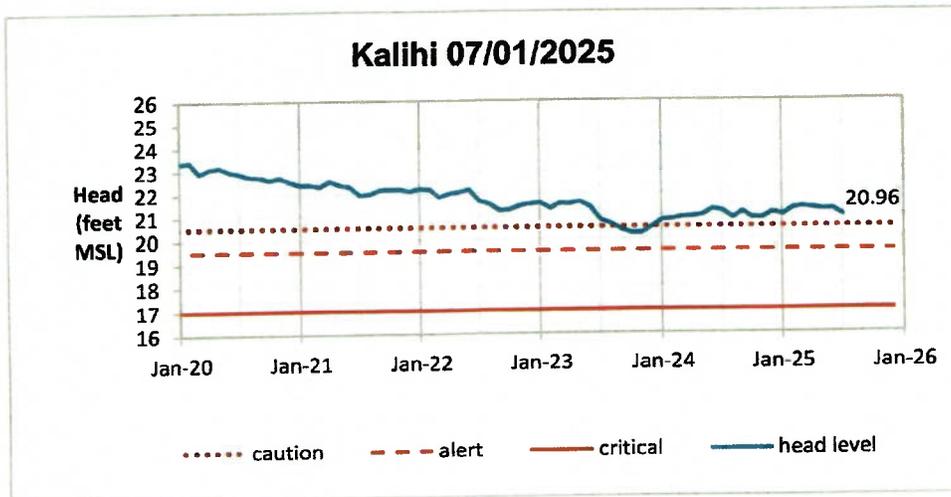
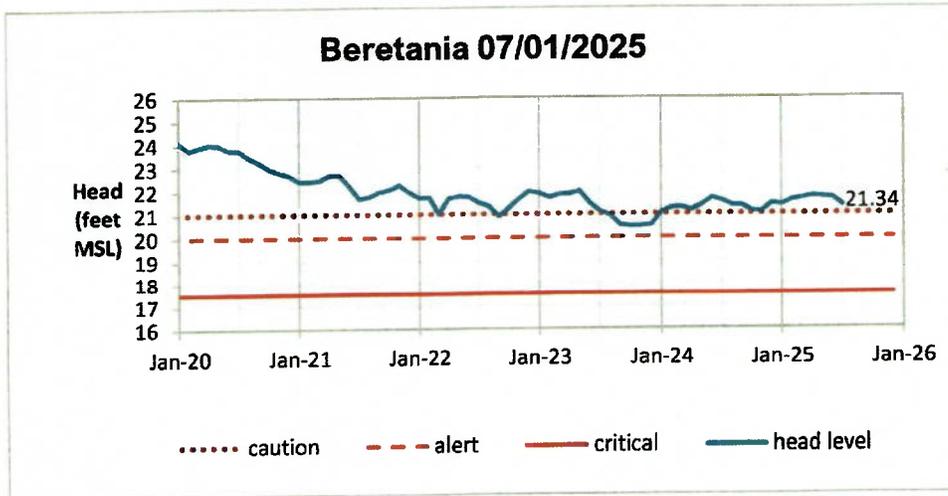
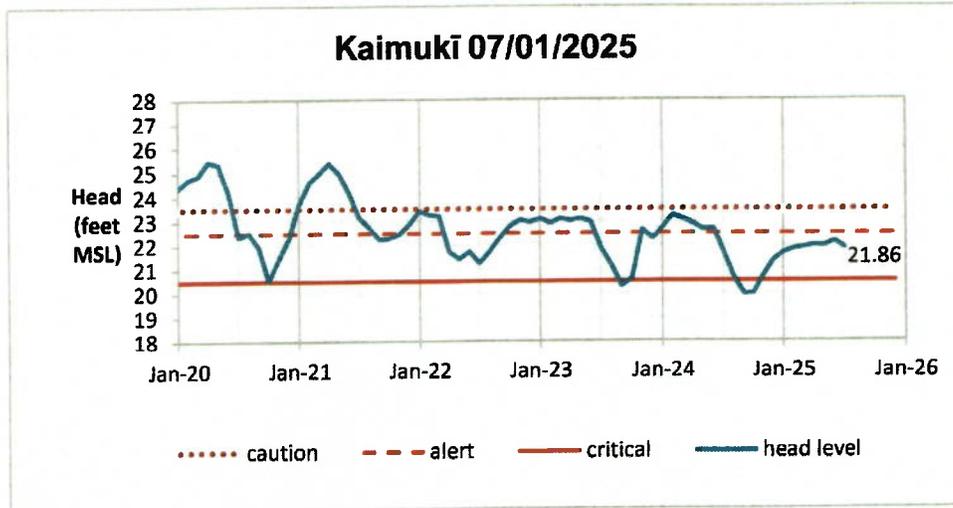
CWRM PERMITTED USE FOR BWS NONPOTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE	JUL 2024	DIFF. A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.10	-0.10
TOTAL:		1.00	1.10	-0.10

EFFECTIVE WATER DEMAND PER DISTRICT

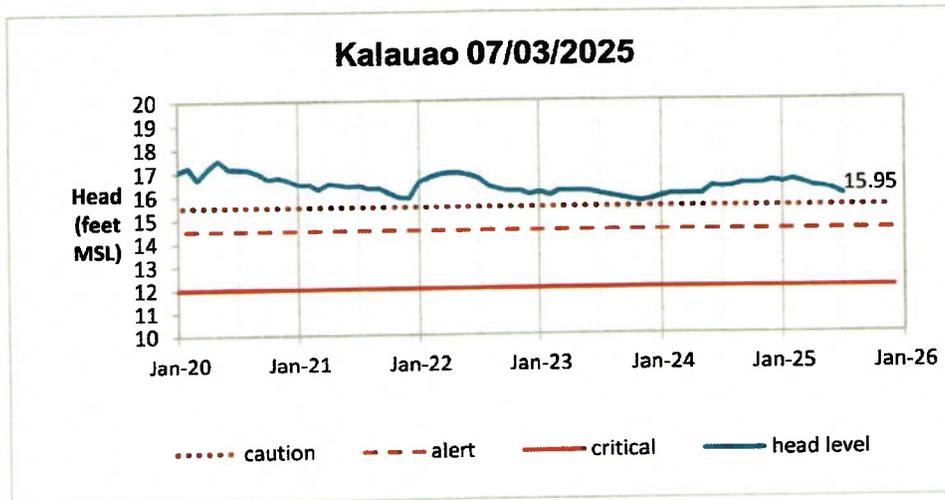
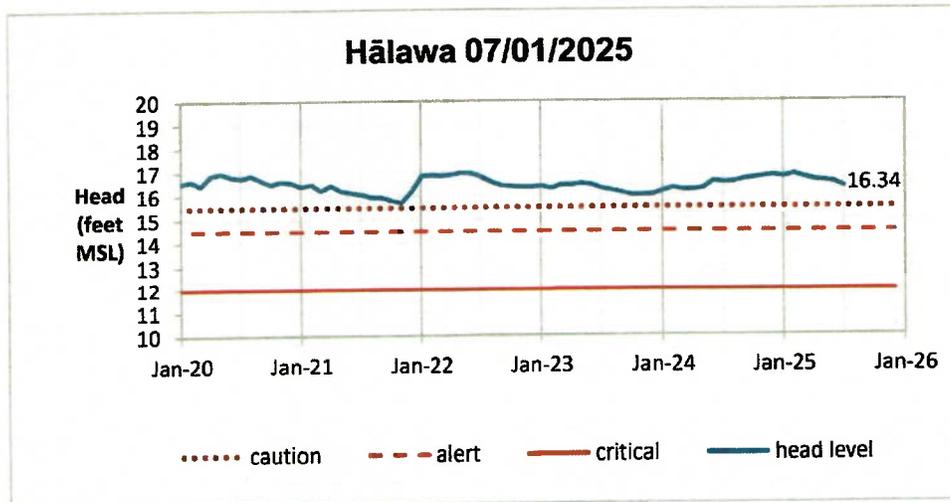
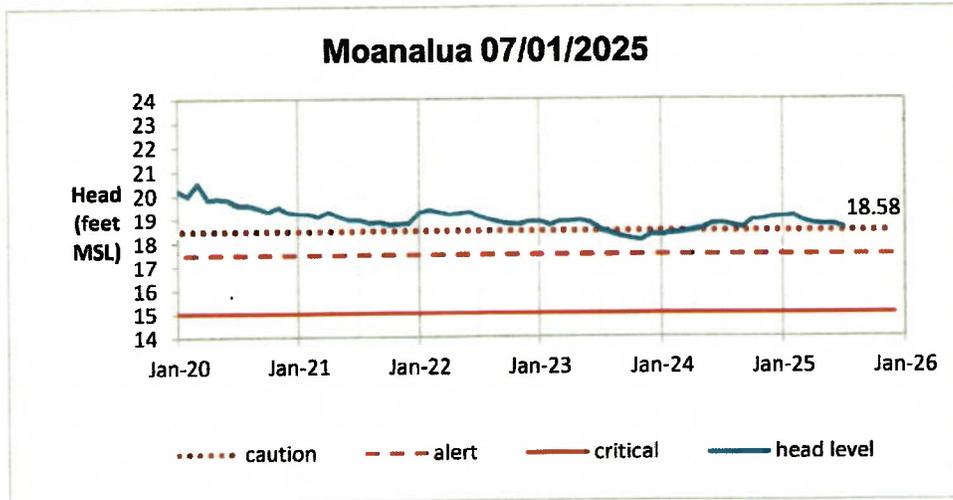
IMPORT/EXPORT BETWEEN WATER USE DISTRICTS			
FROM	TO		MGD
2	1	WINDWARD EXPORT	0.10
7	8	BARBERS PT LB	5.43

WATER USE DISTRICTS		SUBTOTAL	IMPORT	EXPORT	EFFECTIVE WATER DEMAND
1	HONOLULU	62.37	0.10	-	62.47
2	WINDWARD	18.50	-	0.10	18.40
3	NORTH SHORE	3.67	-	-	3.67
4	MILILANI	4.79	-	-	4.79
5	WAHIAWA	2.73	-	-	2.73
6	PEARL CITY-HALAWA	10.28	-	-	10.28
7	WAIPAHU-EWA	40.14	-	5.43	34.72
8	WAIANAEE	4.84	5.43	-	10.28
TOTAL:		147.32	5.53	5.53	147.32

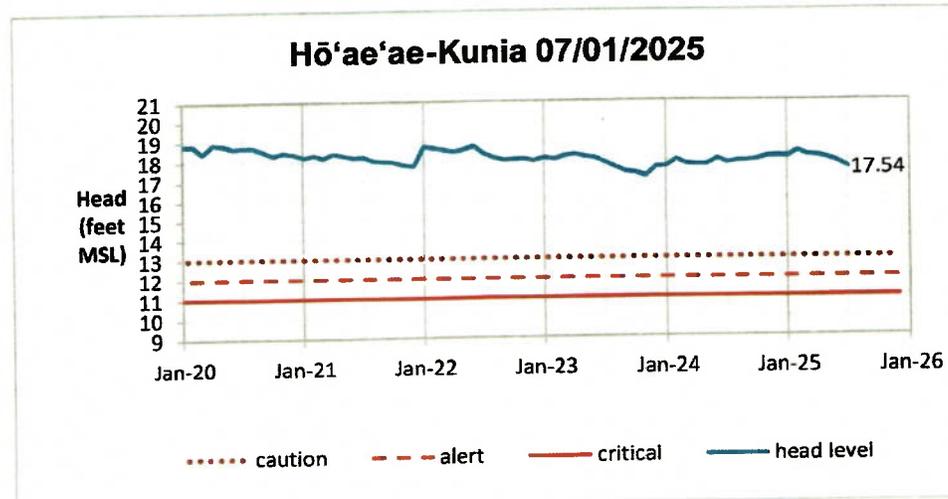
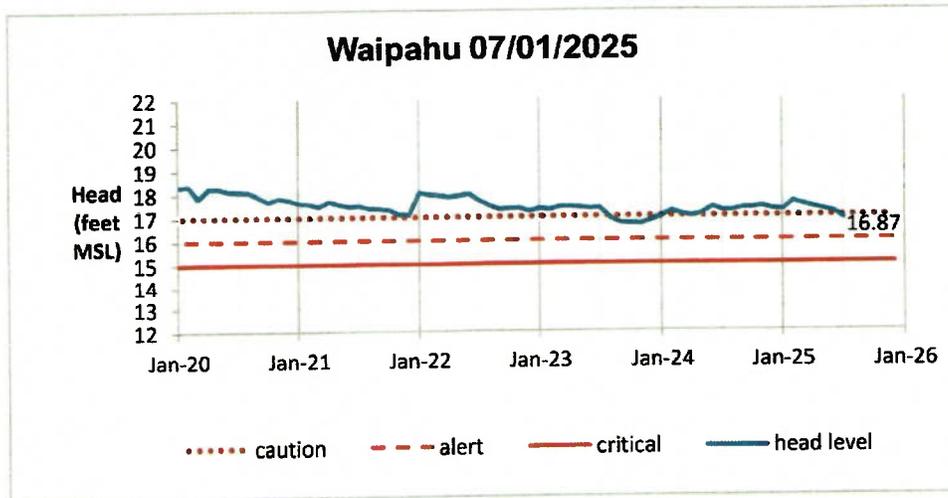
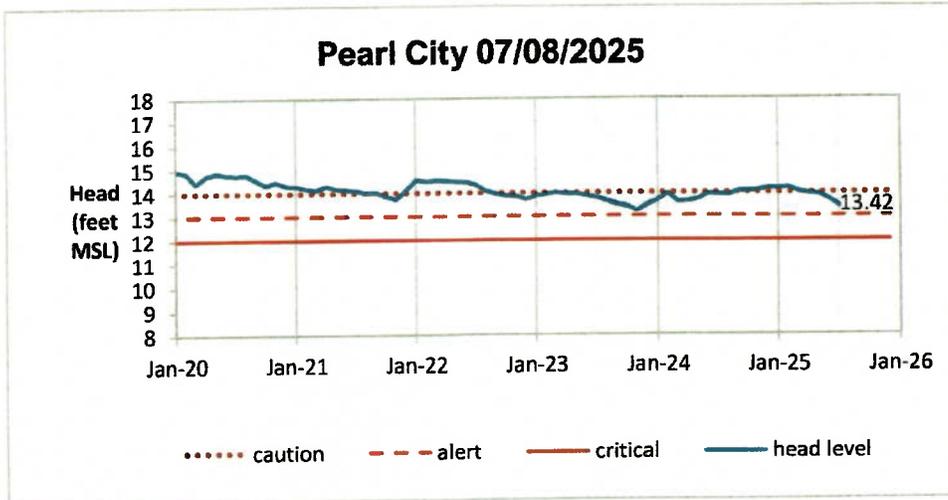
Head Report



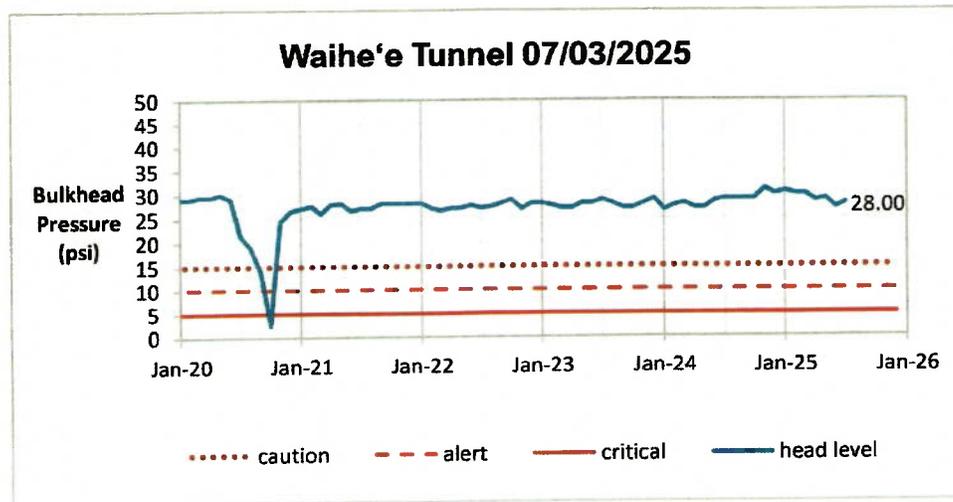
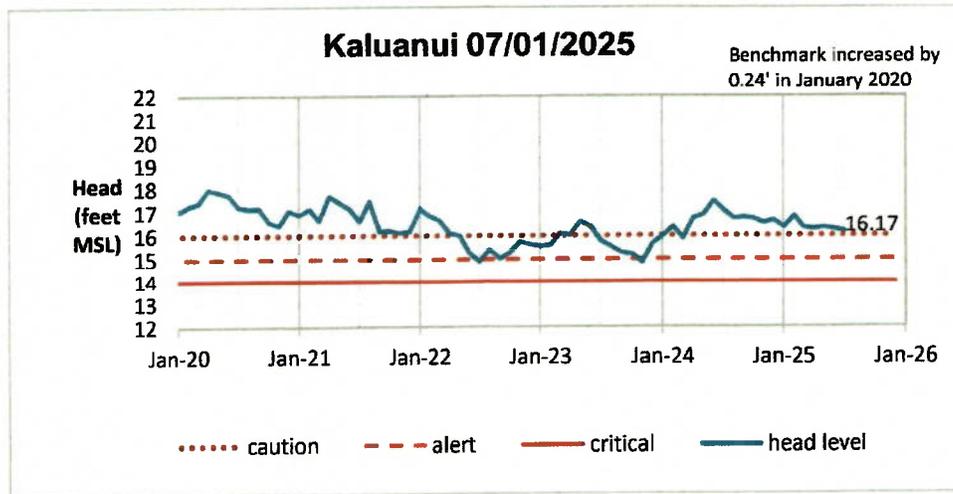
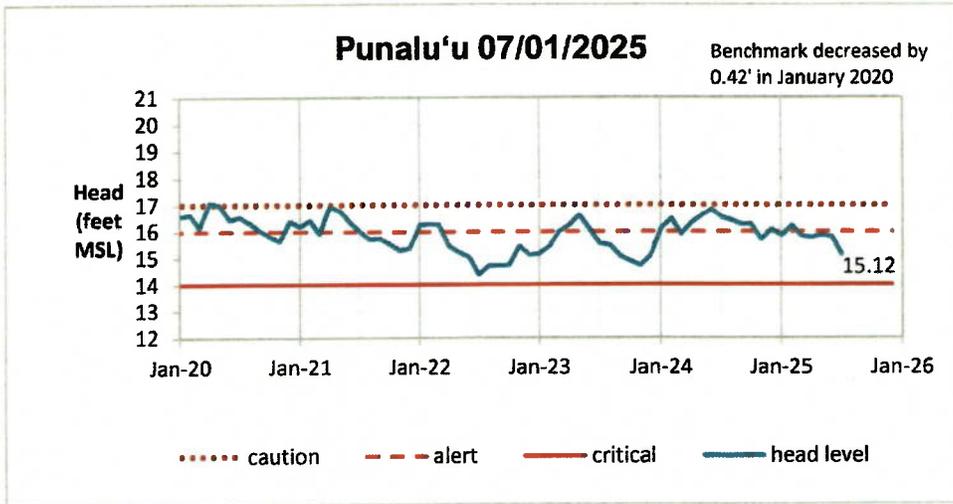
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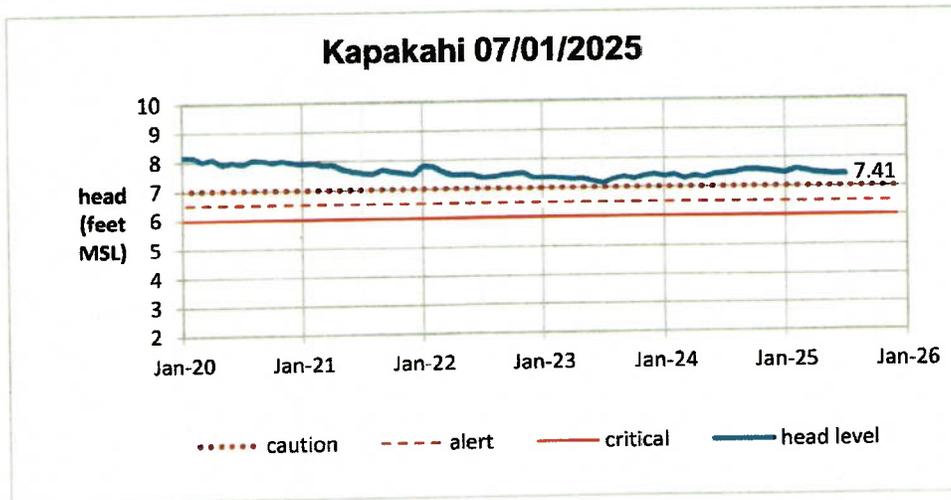
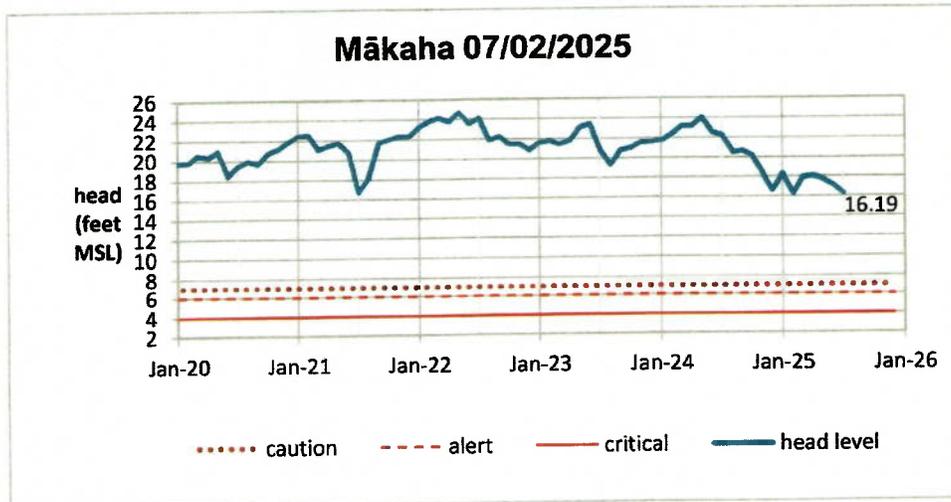
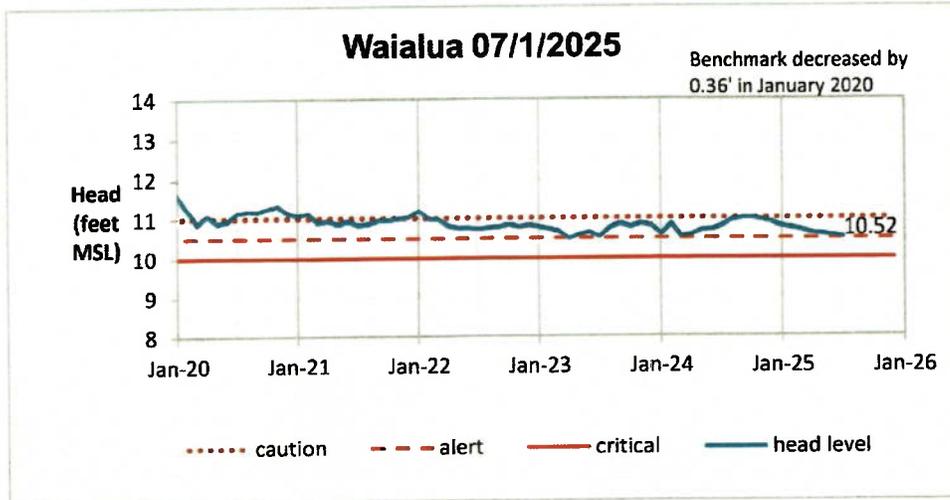
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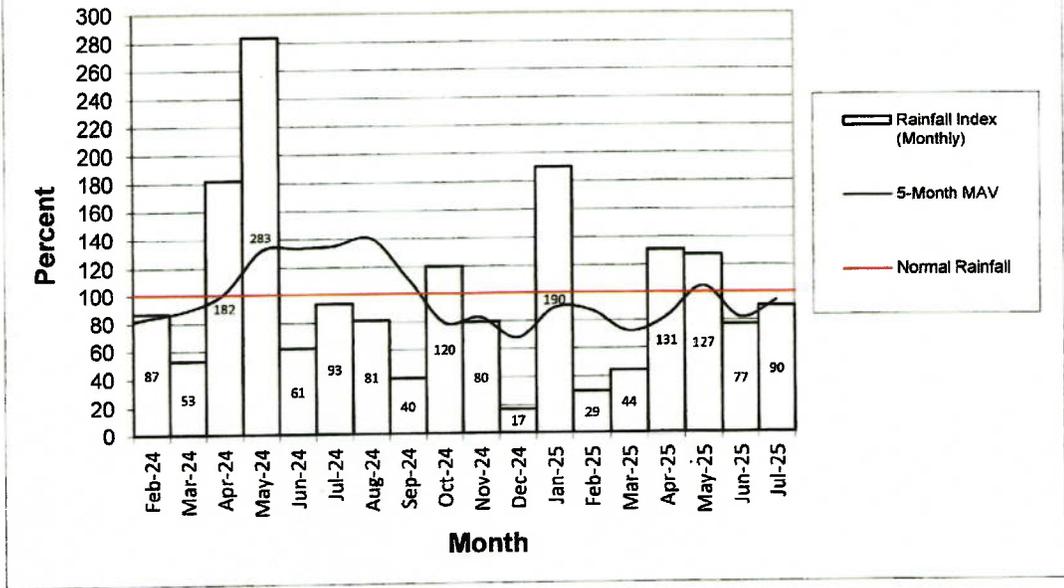
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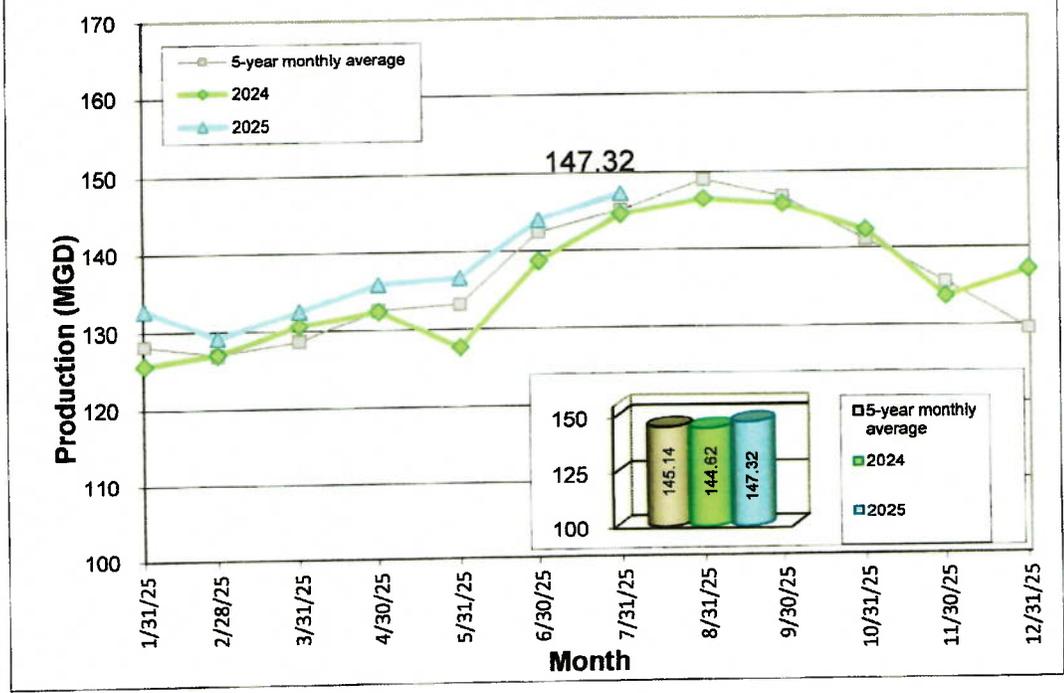
Head Report



HONOLULU WATERSHED AREA Rainfall Intake



Monthly Production



ITEM FOR INFORMATION NO. 5

“August 25, 2025

WATER MAIN
REPAIR
REPORT FOR
JULY 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 July 2025

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

Respectfully submitted,

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

Attachment”

The foregoing was for information only.

DISCUSSION:

Daniel Lee, Acting Program Administrator, Field Operations Division,
gave the report.

Chair Anthony inquired about the breaks that occurred in the Kaneohe
area.

Mr. Daniel Lee responded that there were a few breaks on Paleka Street,
which affected the BWS's 16-inch transmission line. He explained that
the issue started with a lead joint leak discovered after a repair, followed
by wet spots, which are under investigation by the Customer Care
Division. Once the issue is identified the Field Operations Division can
move forward with the work.

Manager Lau asked if the leak caused a catastrophic main break.

Mr. Lee replied that the leak only required a bell joint clamp, since the
BWS does not pour lead.

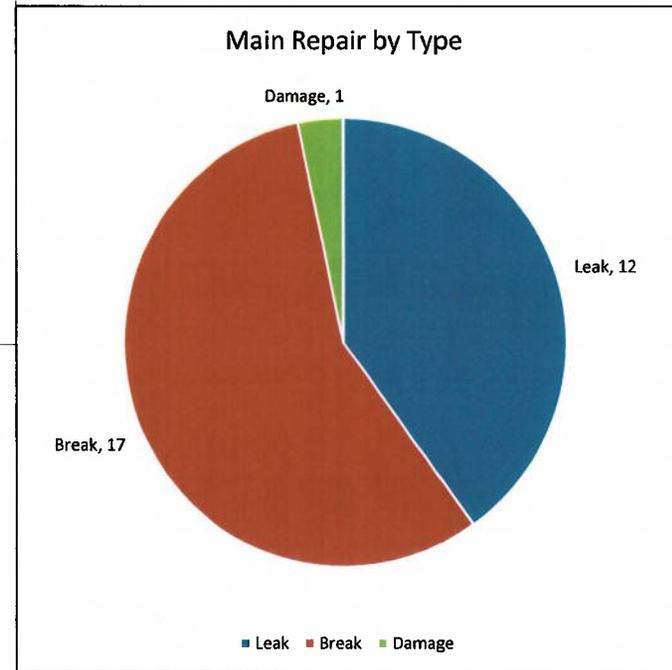
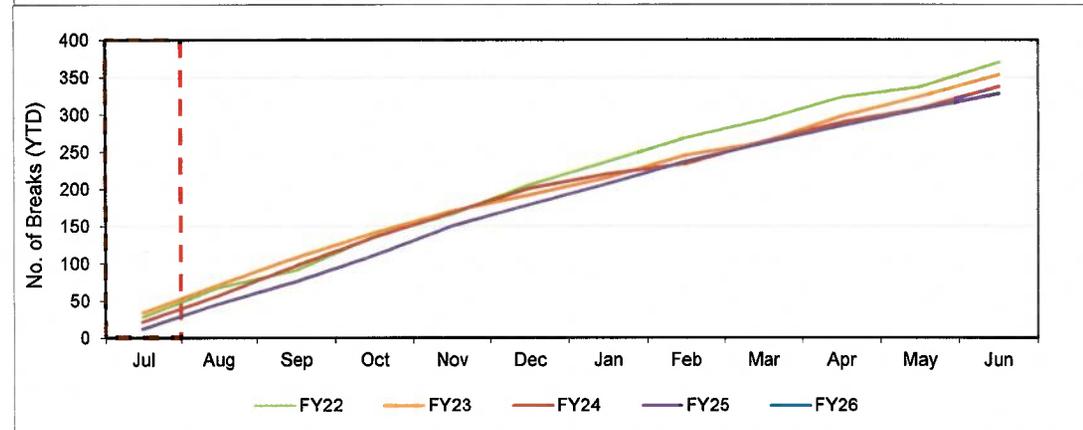
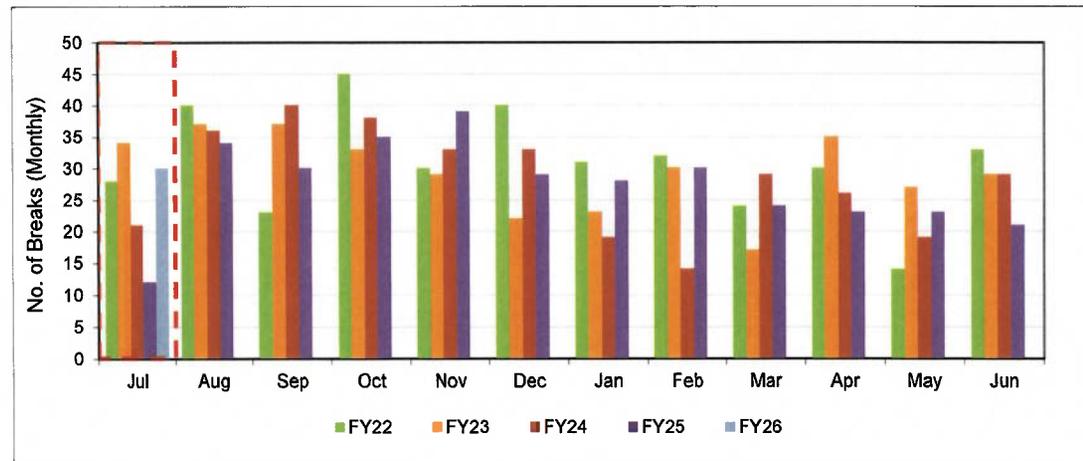
**WATER MAIN REPAIR REPORT
for July 2025**

Monthly Main Breaks

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2026	30	0	0	0	0	0	0	0	0	0	0	0	30
2025	12	34	30	35	39	29	28	30	24	23	23	21	328
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

Main Repair by Type

Type	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
Leak	12	0	0	0	0	0	0	0	0	0	0	0	12
Break	17	0	0	0	0	0	0	0	0	0	0	0	17
Damage	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	30	0	30										



Date	Address	Size (In)	Pipe Type	Date	Address	Size (In)	Pipe Type
7/1/2025	1400 Alewa Dr, Honolulu	4	CI	7/24/2025	2069 Kalia Rd, Honolulu	12	PVC
7/2/2025	98-135 Kihale St, Aiea	8	CI	7/24/2025	836 Penakii Wy, Waipahu	8	AC
7/4/2025	91-1056 Waihuna St, Ewa Beach	12	PVC	7/25/2025	2004 Keeaumoku St, Honolulu	4	STEEL
7/4/2025	67-311 Farrington Hwy, Waialua	8	CI	7/28/2025	1326 Kaweloka St, Pearl City	8	CI
7/6/2025	98-590 Nohoalii St, Aiea	4	DI	7/31/2025	2863 Kalakaua Ave, Honolulu	8	CI
7/8/2025	67-124 Kuhi St, Waialua	8	CI				
7/8/2025	215 Koanimakani Pl, Kapolei	4	DI				
7/8/2025	87-194 Mamoalii Pl, Waianae	8	CI				
7/9/2025	87-616 Manuu St, Waianae	8	CI				
7/9/2025	47-350 Ahuimanu Rd, Kaneohe	6	CI				
7/9/2025	218 Okana Rd, Kaneohe	6	CI				
7/9/2025	1104 Kinau St, Honolulu	42	CI				
7/10/2025	3411 Kaa St, Honolulu	8	DI				
7/11/2025	N King St & Dillingham Blvd, Honolulu	12	DI				
7/12/2025	218 Laulele St, Waianae	8	CI				
7/12/2025	94-1124 Awaiki St, Waipahu	8	CI				
7/16/2025	126 Hoomalu St, Pearl City	8	CI				
7/16/2025	1338 Kawaloka St, Pearl City	8	CI				
7/17/2025	1339 Kawaloka St, Pearl City	8	CI				
7/19/2025	1354 Queen Emma St, Honolulu	6	CI				
7/21/2025	67-190 Kanoulu St, Waialua	6	CI				
7/21/2025	1660 Hooheke St, Pearl City	8	PVC				
7/23/2025	53-450 Kamehameha Hwy, Hauula	12	AC				
7/23/2025	1440 Queen Emma St, Honolulu	6	CI				
7/24/2025	1317 9th Ave, Honolulu	8	DI				

LEAK DETECTION for July 2025

POIs Investigated

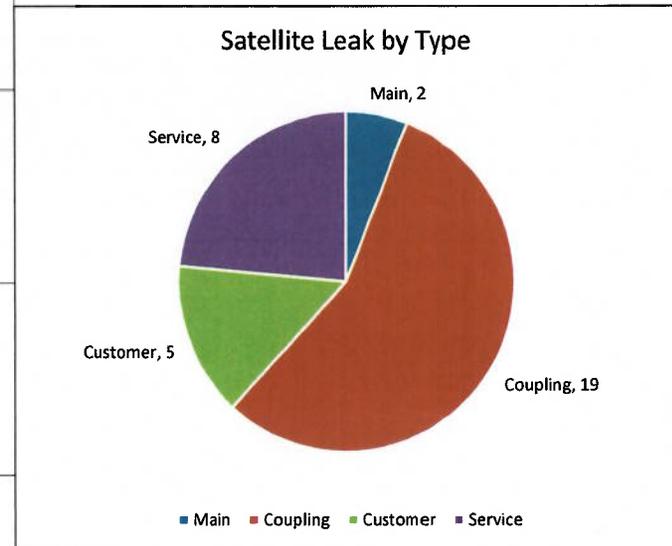
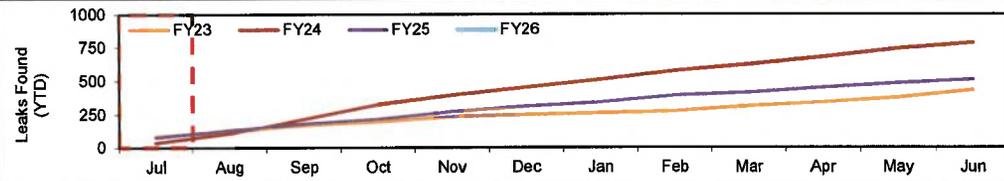
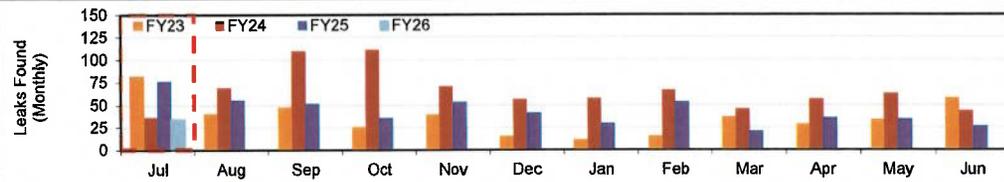
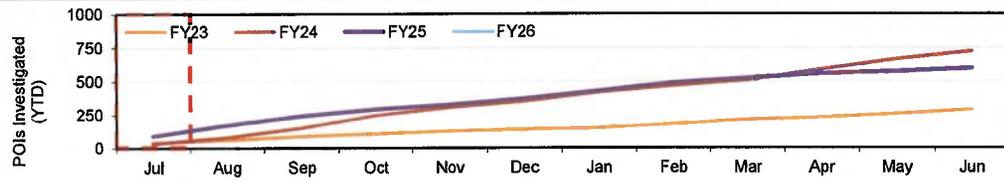
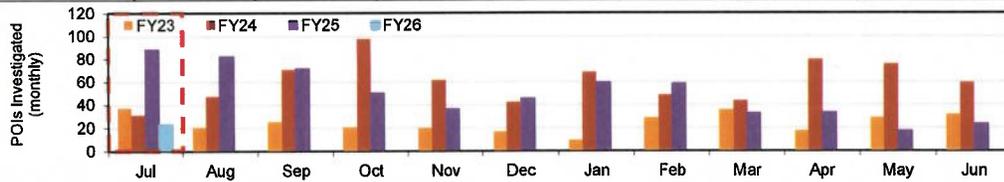
FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2026	23	0	0	0	0	0	0	0	0	0	0	0	23
2025	88	82	71	50	36	45	59	58	32	33	17	23	594
2024	31	47	70	97	61	42	68	48	43	79	75	59	720
2023	37	20	25	20	19	16	9	28	35	17	28	31	285

Leaks Found

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2026	34	0	0	0	0	0	0	0	0	0	0	0	34
2025	76	55	51	35	53	41	29	53	20	35	34	26	508
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

Satellite Leak by Type

Type	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
Main	2	0	0	0	0	0	0	0	0	0	0	0	2
Coupling	19	0	0	0	0	0	0	0	0	0	0	0	19
Customer	5	0	0	0	0	0	0	0	0	0	0	0	5
Service	8	0	0	0	0	0	0	0	0	0	0	0	8
Total	34	0	34										



Before moving into Executive Session, Chair Anthony asked if any of the Board Members had any questions, comments, or discussion on any of the action items listed in Executive Session. There being no questions, comments, or discussion on the items listed in Executive Session, Chair Anthony announced that the Board Attorney advised him that the Board would not need to go into Executive Session to take action, and could stay in Regular Session and take action. Therefore, the meeting will not move into Executive session, and voting will take place in Regular Session.

EXECUTIVE SESSION #1

"August 25, 2025

**APPROVAL OF
MINUTES**

**Approval of the Minutes of the Executive Session on May 27, 2025
2025.**

**MOTION
TO APPROVE**

**Deferred. No motion was made due to lack of Board Members that were
present at the May meeting were not in attendance to approve.**

EXECUTIVE SESSION #1

“August 25, 2025

**APPROVAL OF
MINUTES**

Approval of the Minutes of the Executive Session on June 23, 2025.

**MOTION
TO APPROVE**

Edwin Sniffen and Gene Albano motioned and seconded, respectively, to approve the Minutes of the Executive Session of June 23, 2025.

Ms. Cruz-Achui conducted a roll call vote: Vice Chair Jonathan Kaneshiro, abstain; Board Member Lance Wilhelm, 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 and one abstention. Board Member Bryan Andaya was absent.

THE MINUTES OF THE EXECUTIVE SESSION 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		

APPROVAL OF MINUTES

Approval of the Minutes of the Executive Session on June 30, 2025

MOTION TO APPROVE

Lance Wilhelm and Gene Albano motioned and seconded, respectively, to approve the Minutes of the Executive Session of June 30, 2025.

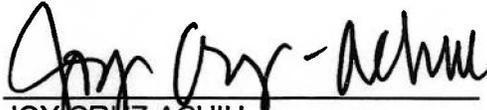
Ms. Cruz-Achiu conducted a roll call vote: Vice Chair Jonathan Kaneshiro, abstain; Board Member Lance Wilhelm, aye; Board Member Edwin Sniffen, aye; Board Member Gene Albano, aye; and Chair Nā'ālehu Anthony, aye. Ms. Cruz-Achiu announced that the motion passed with four ayes and one abstention. Board Member Bryan Andaya was absent.

THE MINUTES OF THE EXECUTIVE SESSION MEETING HELD ON JUNE 30, 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		

**MOTION TO
ADJOURN**

There being no further business, Chair Anthony, at 3:26 PM, called for a motion to adjourn the Regular Session. Jonathan Kaneshiro so moved, seconded by Edwin Sniffen, and unanimously carried.

The minutes of the Regular Meeting held on August 25, 2025, are respectfully submitted,



 JOY CRUZ-ACHIU

THE MINUTES OF THE REGULAR MEETING HELD ON AUGUST 25, 2025, WERE APPROVED AT THE SEPTEMBER 22, 2025, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
JONATHAN KANESHIRO	X		
BRYAN P. ANDAYA	X		
LANCE WILHELM			ABSENT
EDWIN H. SNIFFEN			ABSENT
GENE C. ALBANO	X		

APPROVED:



 NĀ'ĀLEHU ANTHONY
 Chair of the Board
 SEP 22 2025

 Date