

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
EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO, P.E., Ex-Officio

October 21, 2025

NOTICE

The Board of Water Supply, City and County of Honolulu, Regular Meeting will be held on Monday, October 27, 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, October 27, 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, October 24, 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, October 27, 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 October 27, 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 September 22, 2025
2. Introduction of Resolution No. 1006, 2025, Providing for Acquisition of Lot 3164 by Eminent Domain, Situate at Honouliuli, 'Ewa, Hawai'i, Tax Map Key 9-1-031:008

ITEMS FOR INFORMATION

1. Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination
2. 2025 Customer Satisfaction Survey
3. Status Update of Groundwater Levels at All Index Stations
4. Water Main Repair Report for September 2025

If the need arises with respect to any item on this agenda, Hawai'i Revised Statutes Sections 92-5(a)(4), the Board may consult with its attorneys in executive session on questions and issues pertaining to the Board's powers, duties, privileges, immunities and/or liabilities relating to that item.

EXECUTIVE SESSION

The Board anticipates convening into Executive Session Pursuant to Hawai'i Revised Statutes Section 92-4 and 92-5 (a)(4) to Consult in a Closed Meeting with the Board's Attorney on Questions and Issues Pertaining to Claims and Other Matters on the Board's Powers, Duties, Privileges, Immunities, and/or Liabilities.

1. Approval of the Minutes of the Executive Session 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/or Liabilities Pertaining to Matters Concerning the Board of Water Supply's Proposed Settlement of Civil No. 1CCV- 19-1-01192, Marjory Jean P. Kawahara v. City and County of Honolulu Board of Water Supply and to Request for Authorization to Settle [HRS § 92-5(a)(4)] [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 Red Hill Bulk Fuel Storage Facility [HRS §92-5(a)(4)]

MINUTES

To watch the recording of this meeting, please click on the following link:
<https://vimeo.com/bwshonolulu/sep-22-2025>. Closed captioning is available.

THE REGULAR MEETING OF THE BOARD OF WATER SUPPLY

September 22, 2025

At 2:00 PM on September 22, 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
Gene Albano, Ex-Officio via Zoom

Also Present: Ernest Lau, Manager and Chief Engineer
Erwin Kawata, Deputy Manager
Jewel Pharms, Assistant Program Administrator,
Customer Care
Kathleen Elliott-Pahinui, Information Officer,
Communications 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
Kenrick K. Wong,
Data Processing Systems Analyst V,
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: Lance Wilhelm, Board Member
Edwin Sniffen, Ex-Officio

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

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

'Ōlelo 405: **Hahai no ka ua i ka ulu la'au.**

Chair Anthony translated the 'olelo no'eau: Rains always follow the forest. The rains are attracted to forest trees. Knowing this, Hawaiians hewed only the trees that were needed.

Chair Anthony welcomed everyone to the September 22, 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 Bryan Andaya responded "aye" and disclosed that he was also alone at his location and Board Member Gene Albano responded "aye" and disclosed that he was alone at his location. In the Board room: Vice Chair Jonathan Kaneshiro, responded aye. Chair Nā'ālehu Anthony was in the Board room.

Chair Anthony introduced those in the Boardroom: Manager Ernest Lau, Deputy Manager Erwin Kawata, Manager Secretary Kimberly Kuwaye, Board Secretary Joy L. Cruz-Achiu, 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 August 25, 2025.

MOTION TO APPROVE Jonathan Kaneshiro and Bryan Andaya motioned and seconded, respectively, to approve the Minutes of the Regular Meeting Held on August 25, 2025

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

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		

“September 22, 2025

ADOPTION OF
RESOLUTION
NO. 1002, 2025,
MARC CHUN, 2025
MANAGER OF
THE YEAR

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

Chair and Members:

Subject: Adoption of Resolution No. 1002, 2025,
Marc Chun, 2025 Manager of the Year

We are pleased to announce that the 2025 Manager of the Year for the Board of Water Supply is Mr. Marc Chun. He is the Assistant Program Administrator of the BWS's Water Resources Division.

We recommend the adoption of Resolution No. 1002, 2025, to honor Mr. Chun for his outstanding leadership, service, and dedication to the Board of Water Supply.

Respectfully Submitted,

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

Attachment”

DISCUSSION: Barry Usagawa, Program Administrator, Water Resources Division, gave the report.

Board Member Bryan Andaya congratulated Mr. Marc Chun and stated that his recognition as Manager of the Year is well deserved.

Manager Lau shared that upon his return to BWS as Manager, he tasked Mr. Chun with a \$30 million (M) Energy Savings Performance Contracting Project, which took years to complete and many trials and tribulations. However, Mr. Chun saw the project through to its successful completion. Manager Lau expressed his appreciation for Mr. Chun's dedication.

Chair Anthony also congratulated Mr. Chun for his hard work. He stated that recognizing employees' importance when sharing the legacy of an agency, such as the BWS.

MOTION TO APPROVE Bryan Andaya and Jonathan Kaneshiro motioned and seconded, respectively, the Adoption of Resolution No. 1002, 2025, Marc Chun, 2025 Manager of the Year.

Ms. Cruz-Achiu conducted a roll call: Vice Chair Jonathan Kaneshiro, aye; Board Member Bryan Andaya, aye; Board Member Gene Albano, aye; and Chair Nā'ālehu Anthony, aye. Ms. Cruz-Achiu announced that

the motion passed with four ayes. Board Members Lance Wilhelm and Edwin Sniffen were absent.

ADOPTION OF RESOLUTION NO. 1002, 2025, MARC CHUN, 2025 MANAGER OF THE YEAR, WAS ADOPTED 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		

“September 22, 2025

ADOPTION OF
RESOLUTION
NO. 1003, 2025,
JESSICA YEE,
2025 EMPLOYEE
OF THE YEAR

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

Chair and Members:

Subject: Adoption of Resolution No. 1003, 2025,
Jessica Yee, 2025 Employee of the Year

We are pleased to announce that a 2025 Employee of the Year for the Board of Water Supply is Ms. Jessica Yee. She is a Mechanical Engineer III in the Water System Operations Division.

We recommend the adoption of Resolution No. 1003, 2025, to honor Ms. Jessica Yee for her outstanding service, contributions, and dedication to the Board of Water Supply.

Respectfully Submitted,

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

Attachment”

DISCUSSION: Cary Watanabe, Assistant Program Administrator, Water System Operations Division, gave the report.

Manager Lau shared that Ms. Jessica Yee is a supporter of the Po’okela Internship Program, a program that allows college students the opportunity to work for the city and county alongside other City employees, as well as mentor Po’okela students, and was a product of the Po’okela program. Manager Lau thanked Ms. Yee for helping prepare the next generation of the BWS.

Board Member Andaya congratulated Ms. Yee, saying that he is happy that the BWS celebrates the loyalty and service of its employees.

Chair Anthony expressed his appreciation for Ms. Yee. He emphasized the importance of engaging with programs like the Po’okela Internship Program to help students understand what the BWS is about and to share its values. Chair Anthony also shared that his experience as an intern at the BWS helped pave the way for him. He encouraged Ms. Yee to continue her advocacy.

MOTION
TO APPROVE

Jonathan Kaneshiro and Gene Albano motioned and seconded, respectively, the Adoption of Resolution No. 1003, 2025, Jessica Yee, 2025 Employee of the Year.

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

ADOPTION OF RESOLUTION NO. 1003, 2025, JESSICA YEE, 2025 EMPLOYEE OF THE YEAR, WAS ADOPTED 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		

“September 22, 2025

ADOPTION OF
RESOLUTION
NO. 1004, 2025,
WAYNE TELLO,
2025 EMPLOYEE
OF THE YEAR

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

Chair and Members:

Subject: Adoption of Resolution No. 1004, 2025,
Wayne Tello, 2025 Employee of the Year

We are pleased to announce that a 2025 Employee of the Year for the Board of Water Supply is Mr. Wayne Tello. He is the Interim Program Administrator for the Field Operations Division.

We recommend the adoption of Resolution No. 1004, 2025, to honor Mr. Wayne Tello for his outstanding service, contributions, and dedication to the Board of Water Supply.

Respectfully Submitted,

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

Attachment”

DISCUSSION: Nā'lehu Anthony, Chair, Board of Directors, and Ernest Lau, Manager and Chief Engineer of the Honolulu Board of Water Supply, gave the report.

Although Mr. Wayne Tello was unable to receive his resolution and recognition at the Board meeting in person, Chair Anthony thanked him for his service.

Vice Chair Jonathan Kaneshiro congratulated all three honoree's, Mr. Chun, Ms. Yee, and Mr. Tello, for all their service, loyalty, and accomplishments at the BWS.

Chair Anthony echoed Vice Chair Kaneshiro's comments and recognized all honoree's for their years of service in keeping our water safe, clean, and accessible.

MOTION TO APPROVE Gene Albano and Jonathan Kaneshiro motioned and seconded, respectively, the Adoption of Resolution No. 1004, 2025, Wayne Tello, 2025 Employee of the Year.

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

ADOPTION OF RESOLUTION NO. 1004, 2025, WAYNE TELLO, 2025 MANAGER OF THE YEAR, WAS ADOPTED 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		

“September 22, 2025

ADOPTION OF
RESOLUTION
NO. 1005, 2025,
REIMBURSEMENT
OF CAPITAL
EXPENDITURES
FROM THE
PROCEEDS OF
INDEBTEDNESS

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

Chair and Members:

Subject: Adoption of Resolution No. 1005, 2025, Reimbursement of
Capital Expenditures from the Proceeds of Indebtedness

We recommend the adoption of Resolution No. 1005, 2025, Declaring the Official Intent of the Board of Water Supply of the City and County of Honolulu to Reimburse Itself for Certain Capital Expenditures from the Proceeds of Indebtedness.

The Resolution establishes the time limit for reimbursement of capital expenditures at eighteen months. This brings the Board of Water Supply into compliance with Section 1.150 of the U. S. Treasury Regulations and does not bind the Board to make any expenditure, incur any indebtedness, or proceed with the Project.

The Resolution establishes a limit of \$283,327,500 and attaches the FY 2026 Capital Improvement Program.

Respectfully Submitted,

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

Attachment”

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

Vice Chair Kaneshiro inquired if the annual Adoption of the Resolution for the Reimbursement of Capital Expenditures from the Proceeds of Indebtedness allows the BWS to converge.

Ms. Leanne Matsumoto replied that the resolution authorizes the BWS to converge when the BWS issues bonds.

Vice Chair Kaneshiro asked if Resolution No. 1005, 2025, is specifically related to the Kalaeloa Desalination Project.

Ms. Matsumoto responded that if Resolution No. 1005, 2025 is approved, it can be implemented in the event of an issue with the Kalaeloa Desalination Project. She explained that the Kalaeloa Desalination Project was included in Fiscal Year 2026 using Water Infrastructure

Finance and Innovation Act (WIFIA) funds. However, if the WIFIA funds are not executed immediately, the BWS will require additional funds and may need to use cash.

Vice Chair Kaneshiro inquired why the Kalaeloa Desalination Project was capped in Fiscal Year 2025's Capital Expenditure.

Ms. Matsumoto replied that the Kalaeloa Desalination Project was capped in the Fiscal Year 2026 Capital Improvement Projects (CIPs) budget.

Vice Chair Kaneshiro asked if the reimbursement of capital expenditures for the next fiscal year would change depending on the needs.

Manager Lau responded that each year, a new resolution would be brought before the Board to make any changes to the CIP budget for Fiscal Year 2027. This type of resolution provides the BWS with an additional tool and option.

**MOTION
TO APPROVE**

Jonathan Kaneshiro and Bryan Andaya motioned and seconded, respectively, the Adoption of Resolution No. 1005, 2025, Reimbursement of Capital Expenditures from the Proceeds of Indebtedness.

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

ADOPTION OF RESOLUTION NO. 1005, 2025, REIMBURSEMENT OF CAPITAL EXPENDITURES FROM THE PROCEEDS OF INDEBTEDNESS WAS ADOPTED 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		

ITEM FOR INFORMATION NO. 1

“September 22, 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.

Manager Lau referred to slide three and stated that the BWS is seeking clarification from the Navy on the gallons of residual fuel removed.

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.

TANK RESIDUAL FUEL AND SLUDGE REMOVAL
0 1 5 2 7 . 0
GALLONS OF RESIDUAL FUEL REMOVED FROM TANKS
*As of September 10, 2025
0 0 3 6 1 . 0
GALLONS OF SLUDGE REMOVED FROM TANKS
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 September 10, 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 center 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 2% Simple Green
 - Rinse, continuously removing rinseate
 - 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 debluing.

Source: Navy Closure Task Force—Red Hill

Chair Anthony requested that in the upcoming Red Hill updates, any changes in contaminants found in BWS wells be reported.

There was written testimony submitted:

Meredith Wilson	<i>Submitted written testimony that included multiple questions.</i>
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There was in-person testimony submitted:

Susan Pcola-Davis	<i>Congratulated Manager Lau, and Ms. Lin as members of the Restoration Advisory Board. Shared her views on the article published on September 19, 2025, in Civil Beat by Christina Jedra, and the two civilians who were indicted. She also shared that the House of Representatives' Special Committee on Red Hill Information Briefing is scheduled for October 2, 2025, and a Red Hill webinar is set for September 24, 2025. Provided a 9-page attachment.</i>
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ITEM FOR INFORMATION NO. 2

“September 22, 2025

WATER
CONSERVATION
INITIATIVES
UPDATE 2025

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

Subject: Water Conservation Initiatives Update 2025

The Board of Water Supply views conservation as a cornerstone in protecting our precious wai, and we offer a variety of programs to encourage sustainable water use across O'ahu. Today, we are pleased to share an update from our Water Resources Division and the Communications Office on initiatives and programs we have been developing and rolling out to promote conservation.

Respectfully Submitted,

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

Attachment”

The foregoing was for information only.

DISCUSSION:

Steven Norstrom, Information Specialist II, Communications Office, and Lorna Heller, Civil Engineer VI, gave the report. There were no comments or discussion.

Board Member Andaya applauded the BWS's conservation efforts. He referred to slide four, stating that the graph provides excellent information. Board Member Andaya shared that he talks about conservation in his water elective course at the higher education level.



Chair Anthony also commented that the graph on slide four is awesome. He inquired whether, during all the different types of outreach the BWS has conducted, there were any comments on what the BWS could do further.

Mr. Barry Usagawa stated that Ms. Lorna Heller is involved with the BWS custom rebate program with Honeywell. He explained that each rebate is prescriptive. Both residential and commercial customers select a qualifying rebate-eligible equipment and submit the form to receive the refund.

Mr. Usagawa shared that larger potable water users, such as the Alia in Kaka'ako and the Ku'ulei Place along Date Street, are constructing a gray water reuse system. The Ku'ulei Place utilizes a gray water reuse system, which takes gray water (shower, sink, and laundry water) filtered through a water treatment system and uses it to flush toilets and irrigate landscaping. The Alia Kaka'ako utilizes its gray water reuse system for cooling tower makeup water, which is sufficient to meet the needs of a chilled water air conditioning (AC) system. Ms. Lorna Heller's team and Honeywell are working on a custom rebate or incentive for these two developments based on their freshwater savings. Mr. Usagawa also mentioned that the BWS is working on a turf replacement rebate for the Mid-Pac country club turf, since there is no non-potable source available in the area.

Chair Anthony commented that he asked if there was more the BWS could do because he wonders if outreach to larger businesses could help reduce water use.

Ms. Kathleen Elliott-Pahinui commented that she agreed with Mr. Usagawa, noting that the landscaping industry is an area that needs more focus. Therefore, the BWS is working on some ideas. She recognized Mr. Steven Norstrom for his efforts and progress in conservation within multi-family homes and rentals. Ms. Elliott-Pahinui mentioned that through the Hawaiian Council Renter Resource Fairs, the BWS has been able to participate and share. She commented that conservation is not just for one market, but for everyone who uses water.

Chair Anthony also mentioned that the children who share their creativity by entering the BWS poster and poetry contest could display their work in areas that are difficult to reach or do not receive a direct water bill, such as communities under Homeowners Associations (HOAs), like condominiums, to spread the word about conservation.

Ms. Elliott-Pahinui welcomes any ideas, since the BWS is asking the community to reduce its water use by up to 20%.

Chair Anthony mentioned the PGA conference on Maui was cancelled due to its dry landscape caused by a water shortage. He commented that recognizing the importance, the consequences of not having enough, and

taking the necessary and creative steps to conserve water helps. He thanked the BWS for all its efforts.

Chair Anthony stated that tracking rainfall, tradewinds, head levels, and water use is crucial.

Mr. Usagawa commented that the use of gray water reuse was discussed at the new Aloha Stadium entertainment district and around the Iwilei transit-oriented development, as the BWS sources are limited. He stated that conservation education is essential.

Chair Anthony stated that the data indicate that conservation education is effective.

Manager Lau stated that the BWS will partner with other city agencies to become more efficient and increase rebate value. He also recognized Mr. Usagawa for his leadership in the One Water Honolulu development and for working with the Freshwater initiative to make it a statewide effort.

Chair Anthony commented that the continental United States has the advantage of borrowing resources from neighboring states, whereas Hawai'i does not have the same advantages. Therefore, it is crucial that the BWS tracks and monitors water use.

ITEM FOR INFORMATION NO. 3

“September 22, 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

Six aquifer index stations were in low groundwater condition for the production month of August 2025. Pearl City, Waipahu, Kaluanui, and Waialua are in Caution Status. Punalu'u is in Alert Status. Kaimukī is in Critical Status. The monthly production average for August 2025 was 153.14 million gallons per day.

The Board of Water Supply rainfall index for the month of August 2025 was 18 percent of normal, with a 5-month moving average of 89 percent. As of September 9, 2025, the Hawai'i Drought Monitor shows abnormally dry conditions across most of O'ahu, grading to moderate drought conditions along the entire leeward coast, then to severe drought conditions along a small portion of the southeastern coast. The National Weather Service is forecasting above-normal precipitation beginning in October 2025, through February 2026.

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

Chair Anthony asked what the BWS's next steps are in water conservation.

Manager Lau replied that the BWS is currently in its voluntary conservation phase at 10%. However, the BWS will increase its voluntary

conservation phase by up to 20% and will be asking for the public's help. If conditions continue to deteriorate, the BWS may need to implement mandatory water use restrictions. He mentioned that the Halawa Shaft, Halawa Well, and Aiea Well remain shut down as a precaution due to the Red Hill fuel release. The Kaamilo Wells have also been shut off due to contamination with per- and polyfluoroalkyl substances (PFAS); however, the BWS is in the process of installing a temporary treatment Granulated Activated Carbon (GAC) system. Manager Lau encourages the community to conserve as water demand has risen.

Mr. Usagawa shared that the Kaamilo water treatment system is set to be ready by the end of the year. He recognized Marc Chun, Assistant Program Administrator of the Water Resources Division, who was leading and managing the Kaamilo water treatment project. Mr. Usagawa mentioned that the Aiea-Halawa water system is in an alert water shortage condition this summer; therefore, Kaamilo Wells was turned off. He commented that the Metro area is not on alert and is being monitored. Mr. Usagawa also shared that as the BWS works on its Water Master Plan (WMP), it will investigate unaccounted water, water loss in the BWS system, and the discrepancy between source pumpage and revenue meters, aiming to reduce the water loss percentage.

Mr. Usagawa stated that the Field Operations Division is also doing its part by proactively identifying leaks, utilizing its leak detection system, and repairing them before they become a larger issue. He also mentioned that there is a lot of construction in Ewa, which requires a significant amount of water due to the installation of new pipelines that necessitate flushing and chlorination. Ms. Heller's team is working to expand the recycled water treatment system with a new East Kapolei R-1 reservoir. Mr. Usagawa explained that once the elevated reservoir is turned on, all temporary portable irrigation systems will be connected to the R-1 recycled water system. He stated that numerous efforts are being made to conserve.

Chair Anthony asked when the last time mandatory water restrictions were put into place.

Mr. Usagawa responded that the mandatory water restrictions were implemented in 1983. Low groundwater declarations occurred islandwide in 1993 and 2003 with voluntary conservation. In 2008, a low groundwater condition was declared for the windward Oahu. Mandatory water restrictions are difficult to enforce; therefore, more voluntary water conservation was requested. In the 1980s, the BWS found pesticides in the Waipahu, Kunia, and Mililani wells, which were shut off for a period of time, creating a building moratorium that lasted about five years.

Chair Anthony commented that the Marine Corps is a big water user and inquired about the military's water use.

Mr. Usagawa shared that the BWS provides a water use quarterly report to the Kaneohe Marine Corps Base Hawai'i (KMCBH). Their water

service agreement is limited to an annual water use of 700,000,000 gallons per year or 1.92 million gallons per day (mgd) and not to exceed a maximum of 3 mgd. He recognized Manager Lau's efforts, which have led to the Marine Corps advancing its plans for R-1 recycled water. Mr. Usagawa shared that the KMCBH has recently submitted an environmental assessment to upgrade its wastewater treatment plant to resume R-2 water for its golf course. He explained that if the Marine Corps were able to replace potable irrigation use with an R-1 water system, it would reduce the BWS source production and lessen the environmental and community impacts.

Manager Lau stated that the Marine Corps Base is the BWS's largest single customer in the entire water system and represents a significant part of the water use in windward Oahu. He recognized the support of the congressional delegation, which has helped fund the project, and the base commander, who has placed this effort as a high priority.

ITEM FOR INFORMATION NO. 4

“September 22, 2025

WATER MAIN
REPAIR
REPORT FOR
AUGUST 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 August 2025

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

Manager Lau stated that leak detection is essential to the program. The ability to leverage technology to enhance the BWS’s capacity to locate and repair leaks within the system has been beneficial.

Manager Lau commented that since the Acting Program Administrator, Mr. Wayne Tello, is being honored as the 2025 Employee of the Year, he asked Mr. Daniel Lee to share an idea that Mr. Tello had and flourished.

Mr. Daniel Lee shared that Mr. Tello, amongst a few others, helped recognize the use of couplings on concrete cylinder pipes—before using couplings, repairing a concrete cylinder water main required intensive welding. As a team, the BWS worked with vendors to find products that would work efficiently to fix a pipe.

Manager Lau asked if the damaged section of the pipeline could be spliced and replaced with a new section of pipe.

Mr. Lee replied that the damaged section can be spliced with a section of ductile iron, similar to a regular main break repair.

Manager Lau mentioned a main break in Waimanalo that took nearly a week to weld back together.

Chair Anthony expressed his mahalo for all of the efforts.

MOTION TO
ADJOURN

There being no further business, Chair Anthony, at 3:37 PM, called for a motion to adjourn the Regular Session. Jonathan Kaneshiro so moved, seconded by Gene Albano, and was unanimously carried.

The minutes of the Regular Meeting held on September 22, 2025, are respectfully submitted,

JOY CRUZ-ACHIU

APPROVED:

NĀ'ĀLEHU ANTHONY
Chair of the Board

Date

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

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

RICK BLANGIARDI
MAYOR
MEIA

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

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GENE C. ALBANO, P.E., Ex-Officio

October 27, 2025

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

SUBJECT: Introduction of Resolution No. 1006, 2025, Providing for Acquisition of Lot 3164 by Eminent Domain, Situate at Honouliuli, 'Ewa, Hawai'i, Tax Map Key 9-1-031:008

We recommend the introduction of Resolution No. 1006, 2025, authorizing proceedings in eminent domain for the acquisition of Lot 3164.

Lot 3164 is owned by Hawaii MMGD LLC, a Maryland limited liability company and is commonly referred to as Ōla'i Street, a partially paved and unpaved road. Lot 3164 will provide access to, and support the development of a seawater desalination facility that is resilient to climate change, environmentally sustainable and consistent with the 'Ewa Development Plan's directed growth policies.

Negotiations with Hawaii MMGD were initiated to acquire Lot 3164 through their property manager, The RMR Group, and their attorney, Lung Rose Voss & Wagnild. Attached is the chronology of these negotiations. Hawaii MMGD indicated that since they were planning to convey Lot 3164 to the Board of Water Supply (BWS) for essentially no consideration, they required that BWS defend, indemnify and insure Hawaii MMGD and its tenants for any liabilities arising from the construction and operation of the planned desalination facility, even after Lot 3164 was conveyed. Because those indemnification requirements were overly broad and uninsurable, BWS had Lot 3164 appraised and offered to pay Hawaii MMGD the appraised value. Hawaii MMGD responded that it was amenable to selling Lot 3164 but needed to evaluate its value and the impacts the acquisition would have on its holdings in the area, and to consider whether it should conduct its own appraisal. In the event we are unable to reach agreement on the acquisition with Hawaii MMGD, we want to be prepared to initiate eminent domain proceedings.

Chair and Members
October 27, 2025
Page 2

This Resolution, upon publication and subsequent adoption, will authorize the Corporation Counsel, or such litigation counsel as the Board may employ, to initiate eminent domain proceedings on behalf of the Board.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Ernest Y. W. Lau', with a stylized flourish at the end.

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

Attachment

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 1006, 2025

PROVIDING FOR ACQUISITION OF LOT 3164 BY EMINENT DOMAIN
SITUATE AT HONOULIULI, 'EWA, HONOLULU, O'AHU, HAWAI'I
TAX MAP KEY: 9-1-031:008

BE IT RESOLVED by the Board of Water Supply, City and County of Honolulu:

I.

That for public use and purposes, to-wit, provide access to, and support the development, operation and maintenance of, a seawater desalination facility that is resilient to climate change, environmentally sustainable, and consistent with the 'Ewa Development Plan's directed growth policies, proceedings in eminent domain as provided by the law be instituted for the acquisition of the subject real property described in the attached Exhibit "A" and shown on Exhibit "B," which by this reference are incorporated herein and made a part hereof.

The acquisition of the foregoing real property by eminent domain is deemed necessary for the aforesaid public use and purposes.

II.

That the Corporation Counsel of the City and County of Honolulu, or such litigation counsel as the Board of Water Supply may employ pursuant to Section 7-116 of the Revised Charter of the City and County of Honolulu 1973 (Amended 2017 Edition), shall be and is hereby authorized and empowered to institute and carry out said proceedings in the name and on behalf of the Board of Water Supply and the City and County of Honolulu. The Corporation Counsel or such litigation counsel shall be and is hereby further authorized and empowered to

negotiate terms of any settlement, subject to the approval of the Board of Water Supply and/or the court before which such proceedings are commenced.

INTRODUCED BY:

INTRODUCTION OF RESOLUTION NO. 1006, 2025, PROVIDING FOR ACQUISITION OF LOT 3164 BY EMINENT DOMAIN, SITUATE AT HONOLULIULI, 'EWA, O'AHU, HAWAII, TAX MAP KEY 9-1-031:008, AT THE OCTOBER 27, 2025, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY			
JONATHAN KANESHIRO			
BRYAN P. ANDAYA			
LANCE WILHELM			
EDWIN H. SNIFFEN			
GENE C. ALBANO			

NĀ'ĀLEHU ANTHONY
Chair

Date of Introduction: October 27, 2025
Honolulu, Hawai'i

Copies of the foregoing Resolution No. 1006, 2025, are on file at the Office of the Manager and Chief Engineer, Board of Water Supply, 630 South Beretania Street, for use and examination by the public.

EXHIBIT "A"

Lot 3164, area of 4.870 acres, more or less, situate at Honouliuli, 'Ewa, O'ahu, Hawai'i, as shown on Map 325, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawai'i, with Land Court Application 1069 of the Trustees Under the Will and of the Estate of James Campbell, Deceased, and being the land described in Certificate of Title No.753,673 issued to Hawaii MMGD LLC, a Maryland limited liability company.



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

Michael Matsuo and Jeff Lau

October 27, 2025

boardofwatersupply.com

ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

WE ARE RECOMMENDING THE BOARD INTRODUCE A RESOLUTION
THAT DOES THE FOLLOWING:

- MAKES KNOWN THAT THE BOARD OF WATER SUPPLY INTENDS TO ACQUIRE LOT 3164, COMMONLY REFERRED TO AS ŌLA'I STREET, BY EMINENT DOMAIN; AND
- AUTHORIZES AND EMPOWERS THE CORPORATION COUNSEL OF THE CITY AND COUNTY OF HONOLULU TO INITIATE PROCEEDINGS IN EMINENT DOMAIN

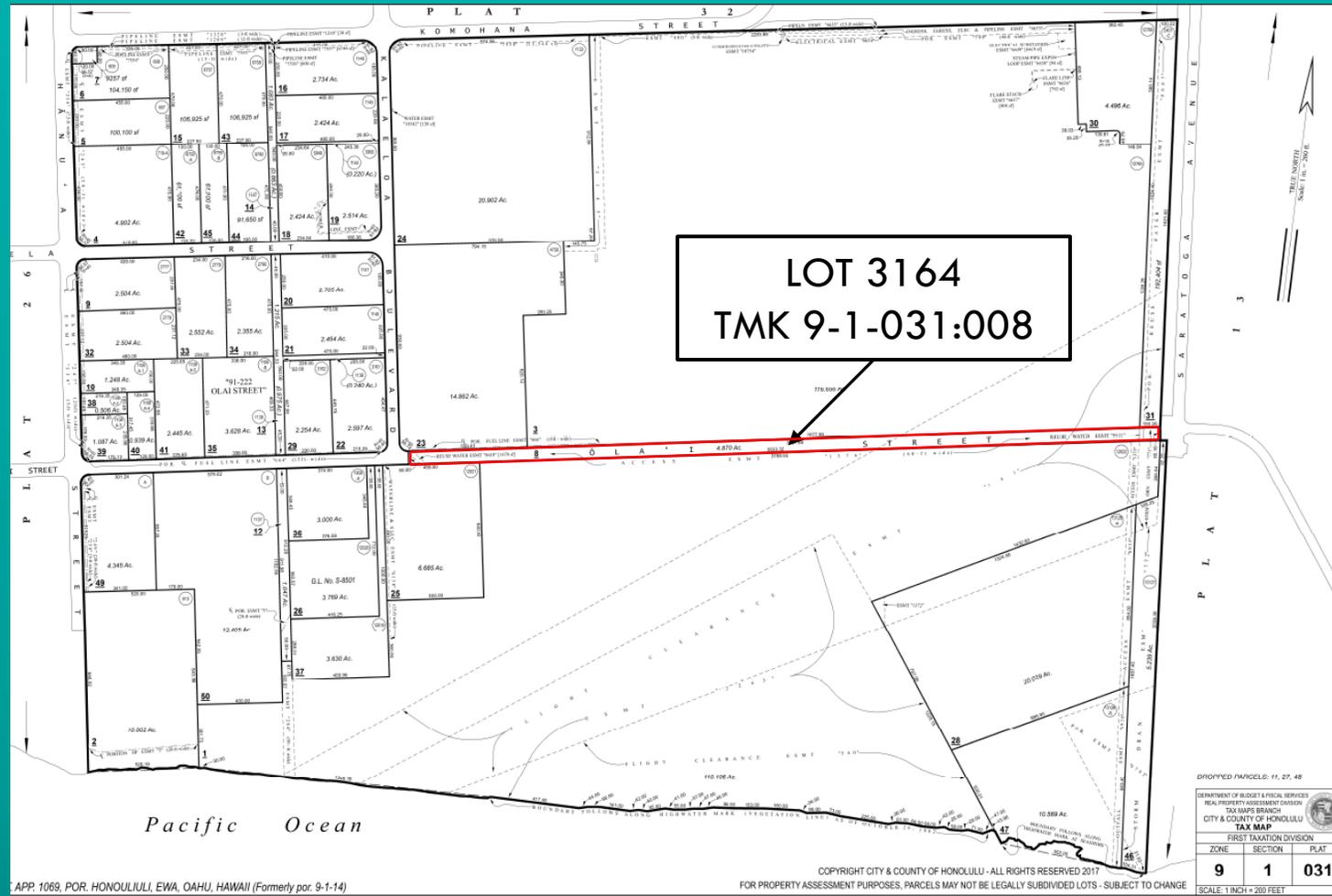


ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

- SECTION 7-105 (e) OF THE REVISED CHARTER OF THE CITY AND COUNTY OF HONOLULU, AUTHORIZES THE BOARD OF WATER SUPPLY TO ACQUIRE REAL PROPERTY AND REAL PROPERTY INTERESTS (I.E. EASEMENTS) IN THE NAME OF THE CITY BY VARIOUS MEANS, INCLUDING EMINENT DOMAIN.
- EMINENT DOMAIN PROCEEDINGS ARE BEING CONTEMPLATED BECAUSE WE HAVE BEEN UNABLE TO NEGOTIATE THE ACQUISITION OF LOT 3164 WITH THE OWNER.
- THE RESOLUTION WILL ALLOW THE CORPORATION COUNSEL, OR LITIGATION COUNSEL THAT THE DEPARTMENT MAY HIRE PURSUANT TO SECTION 7-116 OF THE REVISED CITY CHARTER, TO NEGOTIATE THE TERMS OF SETTLEMENT WITH THE OWNER SUBJECT TO THE APPROVAL OF THE BOARD AND THE COURT.



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN



LOT 3164 IS LOCATED WITHIN JAMES CAMPBELL INDUSTRIAL PARK,
TAX MAP KEY 9-1-031:008



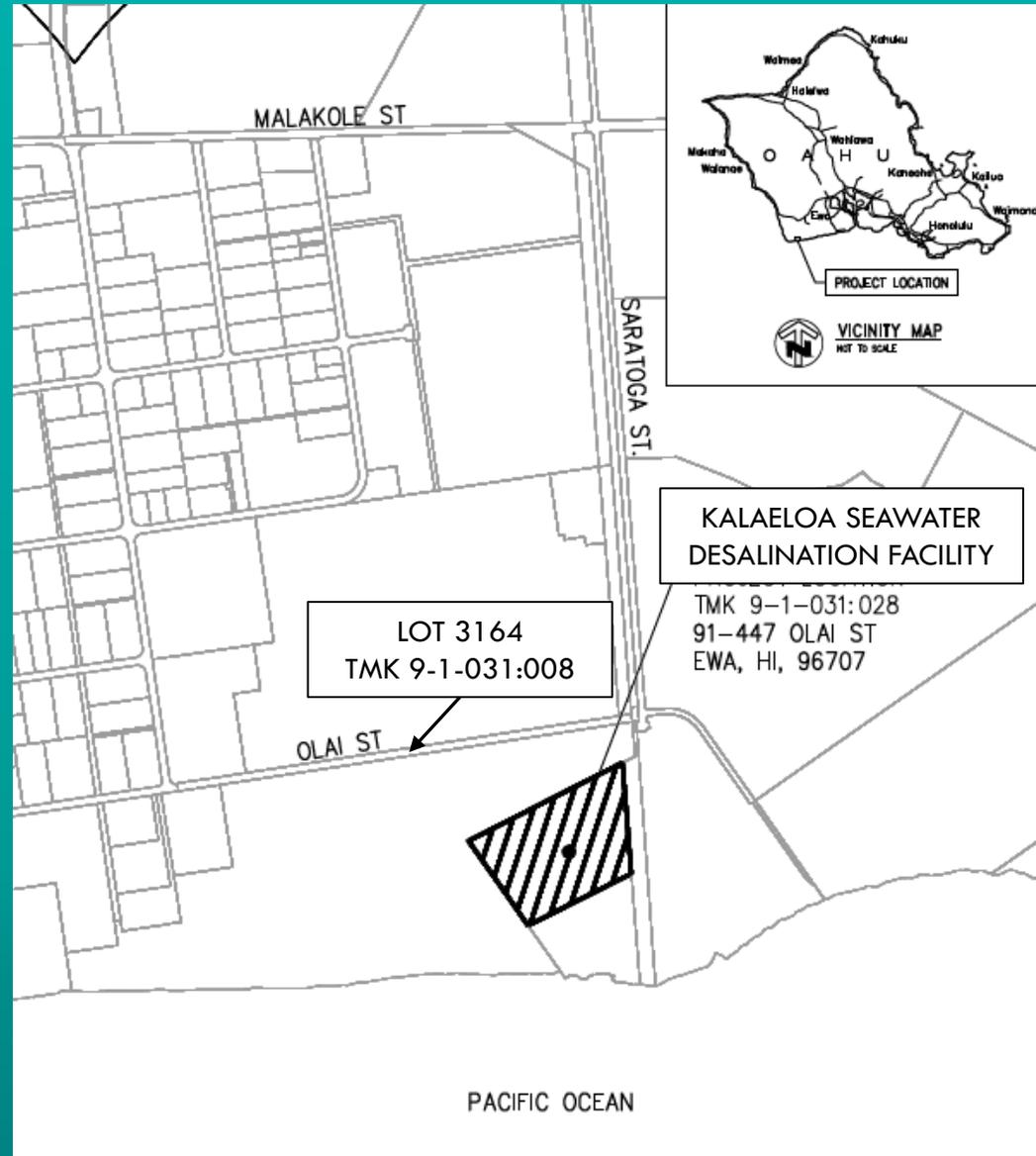
ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

- LOT 3164 IS 60 FEET WIDE BY APPROXIMATELY 3,600 FEET LONG
- LOT 3164 IS OWNED BY HAWAII MMGD LLC, A MARYLAND LIMITED LIABILITY COMPANY AND SUBSIDIARY OF THE INDUSTRIAL LOGISTICS PROPERTIES TRUST
- WITHIN LOT 3164 IS ŌLA'Ī STREET, A PARTIALLY PAVED, PARTIALLY UNPAVED ROAD, APPROXIMATELY 10 TO 12 FEET WIDE



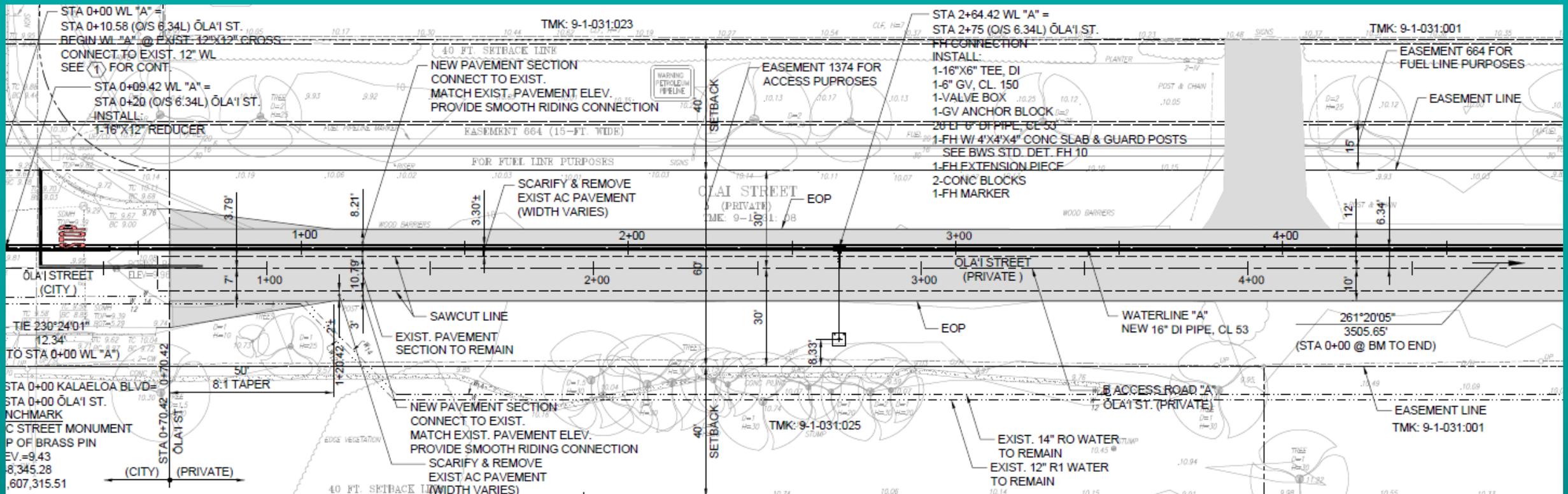
ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

- BWS WILL BE CONSTRUCTING A SEAWATER DESALINATION FACILITY ON LAND ACQUIRED FROM THE FEDERAL GOVERNMENT
- LOT 3164 (ŌLA'I STREET) PROVIDES THE **ONLY** ACCESS TO THE DESALINATION FACILITY SITE



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

THE KALAELOA SEAWATER DESALINATION FACILITY PROJECT INVOLVES GRADING, WIDENING AND PAVING ŌLA'I STREET AND INSTALLING A 16-INCH WATERLINE, 48-INCH BRINE DISPOSAL LINE, FIRE HYDRANTS, UTILITIES AND OTHER APPURTENANCES ALONG ŌLA'I STREET



EXERT FROM DESIGN PLANS FOR KALAELOA DESALINATION FACILITY



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

- ACQUISITION OF THE FEDERAL LAND FOR THE DESALINATION FACILITY CAME TOGETHER WITH ACCESS VIA EASEMENT 1374 OVER LOT 3164 (EASEMENT 1374 WAS GRANTED TO THE NAVY -- NOT BWS -- BY THE FORMER CAMPBELL ESTATE)
- JAMES CAMPBELL COMPANY GRANTED BWS A WATER PIPELINE EASEMENT AND HAWAIIAN ELECTRIC COMPANY A UTILITY EASEMENT OVER LOT 3164
- EASEMENT 1374, THE WATER PIPELINE EASEMENT AND THE UTILITY EASEMENT DO NOT ALLOW BWS TO MAKE THE REQUIRED IMPROVEMENTS TO ŌLA'I STREET
- BWS APPROACHED HAWAII MMGD THROUGH THEIR PROPERTY MANAGER, THE RMR GROUP, TO OBTAIN A CONSTRUCTION RIGHT OF ENTRY TO LOT 3164



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

CHRONOLOGY OF EVENTS TO ACQUIRE LOT 3164:

DATE	ACTION
12/4/23	REQUESTED RMR GROUP EXECUTE A CONSTRUCTION RIGHT OF ENTRY TO BWS
1/18/24	RMR GROUP INDICATED THEY WERE CONSIDERING CONVEYING LOT 3164 TO BWS INSTEAD OF GRANTING A CONSTRUCTION RIGHT OF ENTRY
3/1/24	RMR GROUP HAD CONCERNS WITH THE CONVEYANCE AND WILL BE HIRING EXTERNAL COUNSEL TO GUIDE THEM
MARCH 2024	MULTIPLE NEGOTIATION ATTEMPTS FOR THE CONVEYANCE WERE MADE WITH RMR GROUP AND THEIR EXTERNAL COUNSEL FROM LUNG ROSE VOSS & WAGNILD; IMPASSE REACHED DUE TO THEIR WANTING TO BE INDEMNIFIED AND INSURED FOR LIABILITIES ARISING FROM THE CONSTRUCTION AND OPERATION OF THE DESALINATION FACILITY, EVEN AFTER THE CONVEYANCE OF LOT 3164 WAS CONSUMMATED



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

CHRONOLOGY OF EVENTS TO ACQUIRE LOT 3164 (CONT.):

DATE	ACTION
11/10/24	CONTRACTED THE BENAVENTE GROUP TO APPRAISE LOT 3164
12/13/24	INFORMED LUNG ROSE VOSS & WAGNILD VIA LETTER THAT (A) THE INDEMNIFICATION REQUIREMENT WAS OVERLY BROAD AND UNINSURABLE; (B) BWS HIRED THE BENAVENTE GROUP TO APPRAISE LOT 3164; (C) UPON COMPLETION OF THE APPRAISAL, BWS WOULD SUBMIT A WRITTEN OFFER OF COMPENSATION; AND (D) IF THE OFFER WAS NOT ACCEPTED, BWS WOULD INITIATE EMINENT DOMAIN PROCEEDINGS TO ACQUIRE LOT 3164
7/23/25	THE BENAVENTE GROUP SUBMITTED ITS APPRAISAL REPORT OF LOT 3164 THAT DETERMINED ITS FAIR MARKET VALUE TO BE \$309,400



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

CHRONOLOGY OF EVENTS TO ACQUIRE LOT 3164 FROM HAWAII MMGD (CONT.):

DATE	ACTION
9/30/25	SENT OFFER OF \$309,400 TO ACQUIRE LOT 3164 TO LUNG ROSE VOSS & WAGNILD VIA CERTIFIED MAIL, RETURN RECEIPT REQUESTED
10/10/25	RECEIVED WRITTEN RESPONSE FROM LUNG ROSE VOSS & WAGNILD INDICATING HAWAII MMGD IS AMENABLE TO SELLING LOT 3164 TO BWS BUT THEY NEEDED TO EVALUATE ITS VALUE AND THE IMPACT THE ACQUISITION WOULD HAVE ON ITS HOLDINGS IN THE AREA, AND TO CONSIDER WHETHER THEY SHOULD CONDUCT THEIR OWN APPRAISAL.



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

ACQUISITION BY EMINENT DOMAIN PROCESS:

- INTRODUCTION OF A RESOLUTION AUTHORIZING THE ACQUISITION OF THE PROPERTY BY EMINENT DOMAIN STARTS THE PROCESS.
- LETTER IS SENT TO OWNER TO NOTIFY THEM OF THE INTRODUCED RESOLUTION AND BWS' INTENTION TO ACQUIRE THE PROPERTY BY EMINENT DOMAIN.
- A LEGAL NOTICE NEEDS TO BE PUBLISHED ONCE IN A LOCAL NEWSPAPER AT LEAST THREE (3) DAYS BEFORE THE RESOLUTION IS ADOPTED.
- ONCE THE RESOLUTION IS ADOPTED BY THE BOARD, A MEMORANDUM WITH RELEVANT INFORMATION IS SUBMITTED TO THE DEPARTMENT OF CORPORATION COUNSEL.



ACQUISITION OF LOT 3164 FOR KALAELOA SEAWATER DESALINATION FACILITY BY EMINENT DOMAIN

ACQUISITION BY EMINENT DOMAIN PROCESS (CONT.):

- CORPORATION COUNSEL TAKES THE NECESSARY ACTIONS FOR THE MATTER TO BE BROUGHT BEFORE CIRCUIT COURT, SUCH AS BUT NOT LIMITED TO PREPARING THE COMPLAINT AND SUMMONS.
- IF CIRCUIT COURT RULES IN FAVOR OF BWS, A FINAL ORDER OF CONDEMNATION IS ISSUED AND SENT TO BWS.
- BOARD WILL BE NOTIFIED OF THE FINAL ORDER OF CONDEMNATION.





Mahalo!

BOARD OF WATER SUPPLY

Acquisition of Lot 3164 for Kalaehoa Seawater
Desalination Facility by Eminent Domain

Michael Matsuo and Jeff Lau

(808) 748-5951, mmatsuo@hbws.org

(808) 768-5148, jlau3@honolulu.gov

boardofwatersupply.com for more information

October 27, 2025

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

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

630 SOUTH BERETANIA STREET • HONOLULU, HAWAII 96843
Phone: (808) 748-5000 • 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
EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO, P.E., Ex-Officio

October 27, 2025

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,

A handwritten signature in blue ink, appearing to read 'Ernest Y. W. Lau', is written over a horizontal line.

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

Attachment



OCTOBER 2025 RED HILL UPDATES

October 27, 2025

boardofwatersupply.com

RECENT EVENTS

September 29th

- “Pledge to Our Wai, Pledge to Our Keiki”

October 1st

- Passing of City Council’s Resolution 25-279
- Fuel Tank Advisory Committee Meeting

October 2nd

- House Special Committee on Red Hill Informational Hearing

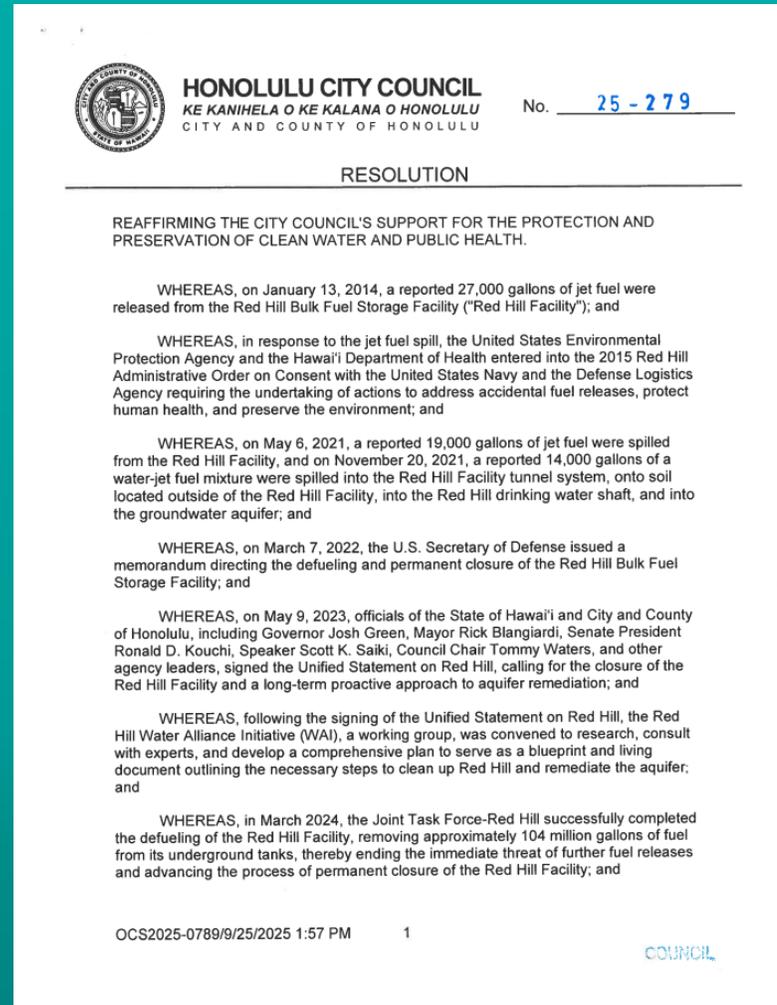
October 3rd

- ~~Red Hill Remediation Roundtable~~ **Canceled**



HONOLULU CITY COUNCIL RESOLUTION 25-279

- Adopted on October 1, 2025.
- Reaffirming the City Council's support for the protection and preservation of clean water and public health.



FUEL TANK ADVISORY COMMITTEE MEETING

- Vote for increased meeting frequency did not pass.
- EPA and DOH are reviewing Navy's request to reactivate Navy Aiea-Halawa Shaft.

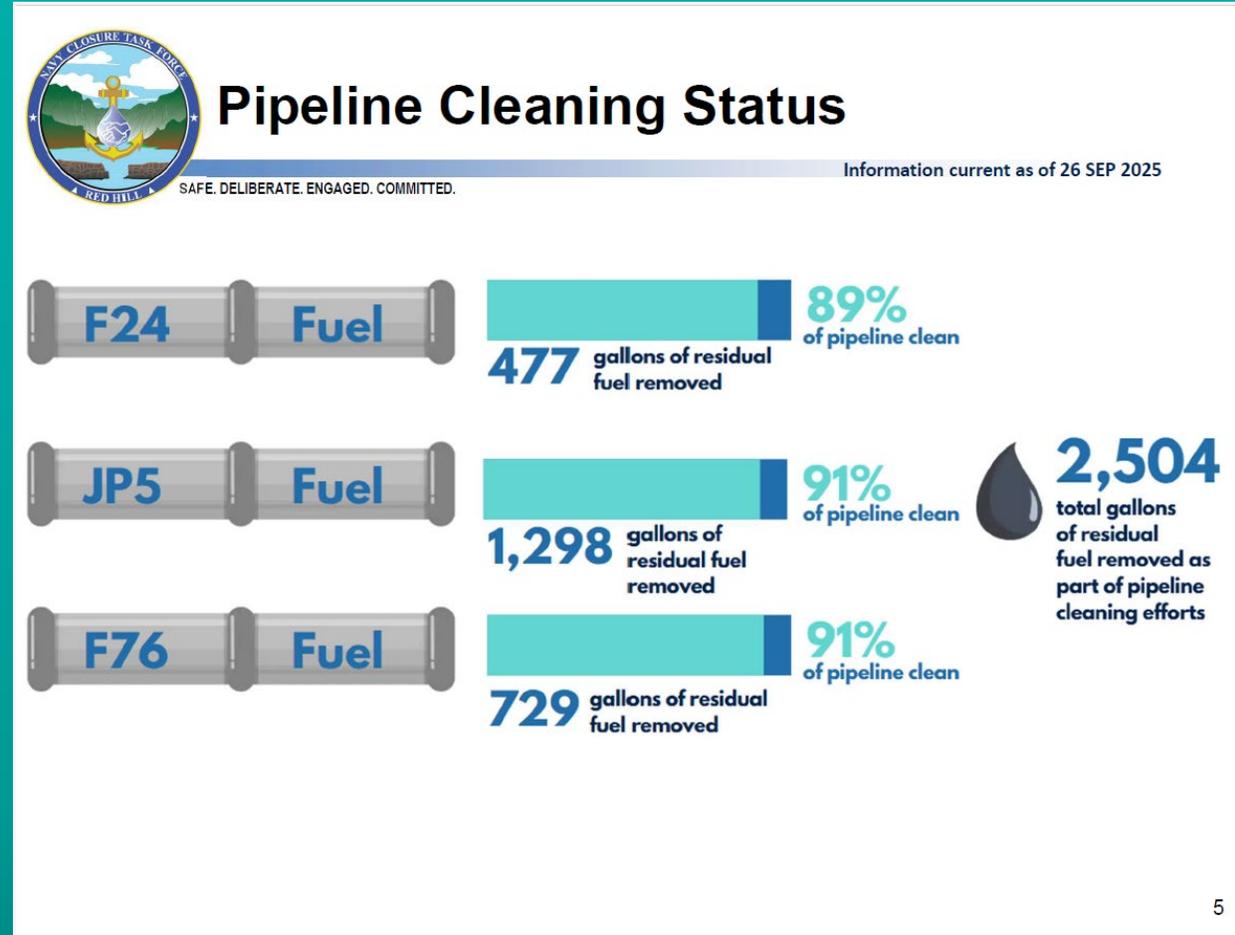
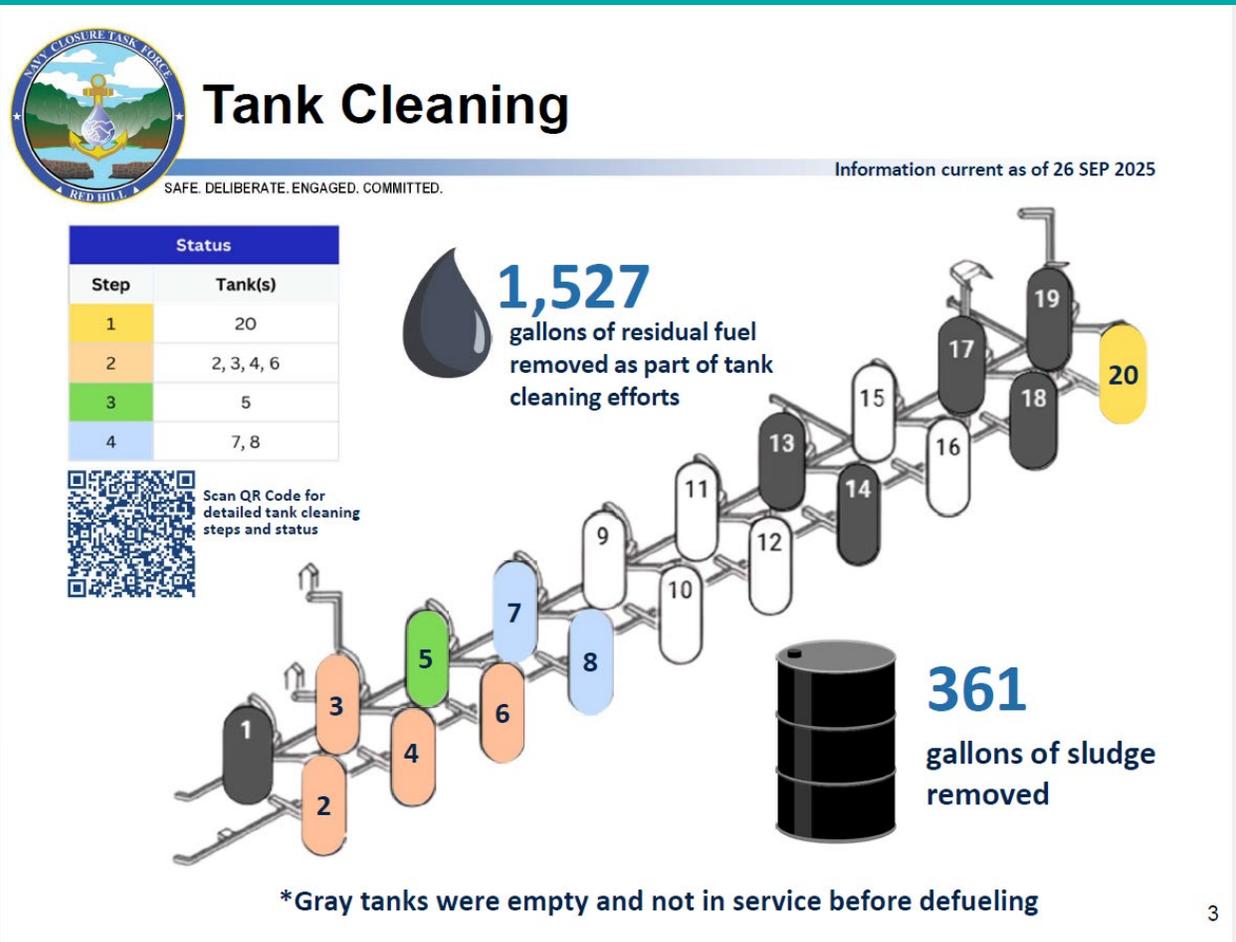


HOUSE SPECIAL COMMITTEE ON RED HILL INFORMATION BRIEF

- Environmental Protection Agency (EPA) and Hawa‘i State Department of Health (DOH) provided an update to the House Special Committee on October 2, 2025.
- EPA and DOH meets with Navy weekly to address outstanding issues regarding tank degassing, tank and pipeline cleaning, and various plan review and submittals.



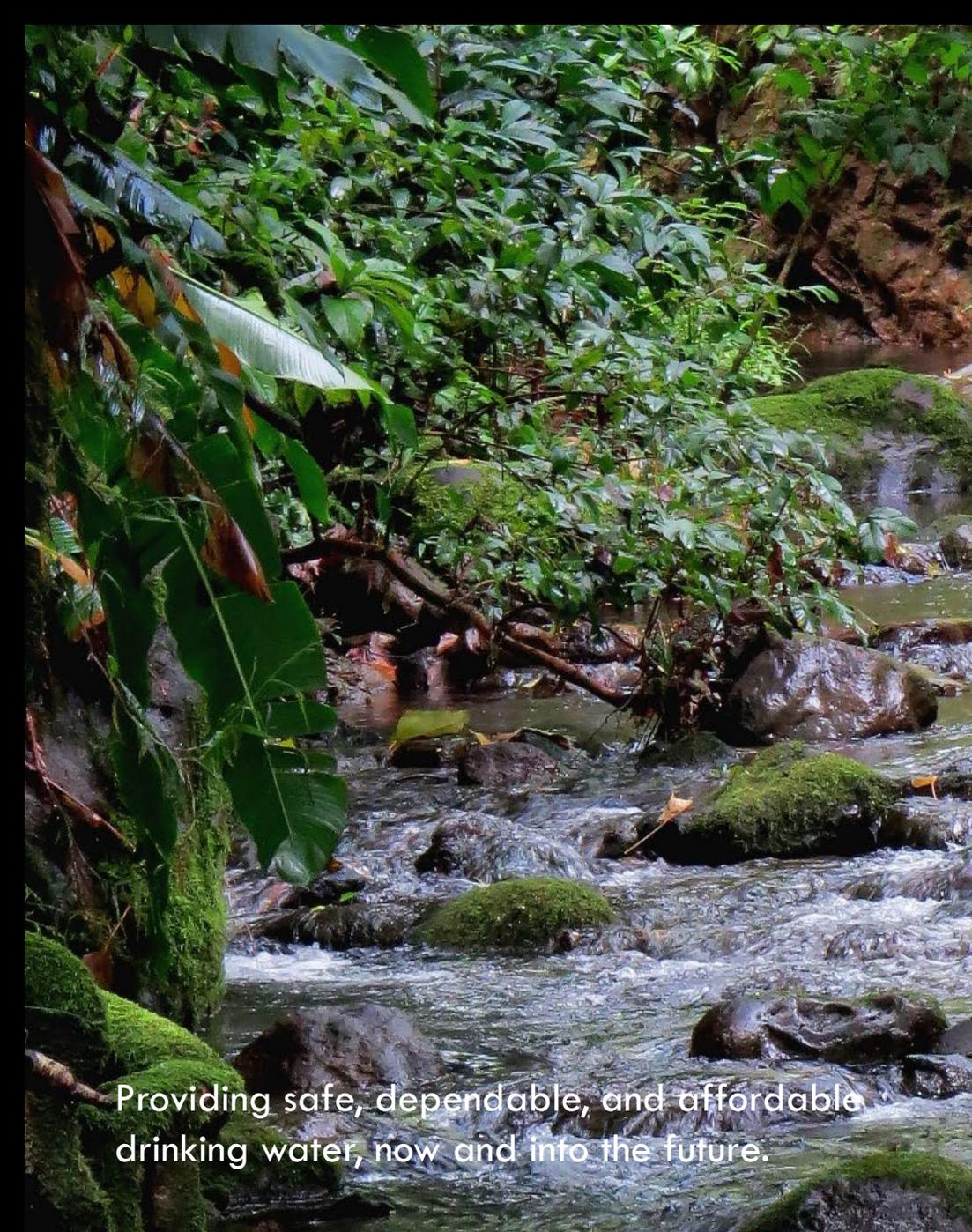
UPDATES FROM NAVY CLOSURE TASK FORCE –RED HILL



UPCOMING EVENTS

We look forward to more updates regarding tank and pipeline cleaning and closure, remediation surrounding Red Hill, and public engagements from the Navy Closure Task Force –Red Hill.





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



MAHALO!

October 2025 Red Hill Updates



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

630 SOUTH BERETANIA STREET • HONOLULU, HAWAII 96843
Phone: (808) 748-5000 • 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
EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO, P.E., Ex-Officio

October 27, 2025

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

Chair and Members:

Subject: 2025 Customer Satisfaction Survey

Becki Ward of Ward Research will present the findings of the recent Customer Satisfaction Survey and how they compare with past surveys

The Customer Satisfaction Survey is done every two (2) years to check on customer and public perceptions of the Board of Water Supply, their staff and messaging on various initiatives.

Respectfully submitted,



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



WARD RESEARCH
I N C O R P O R A T E D

Understanding and Tracking Resident Perceptions of the Board of Water Supply

Prepared for:

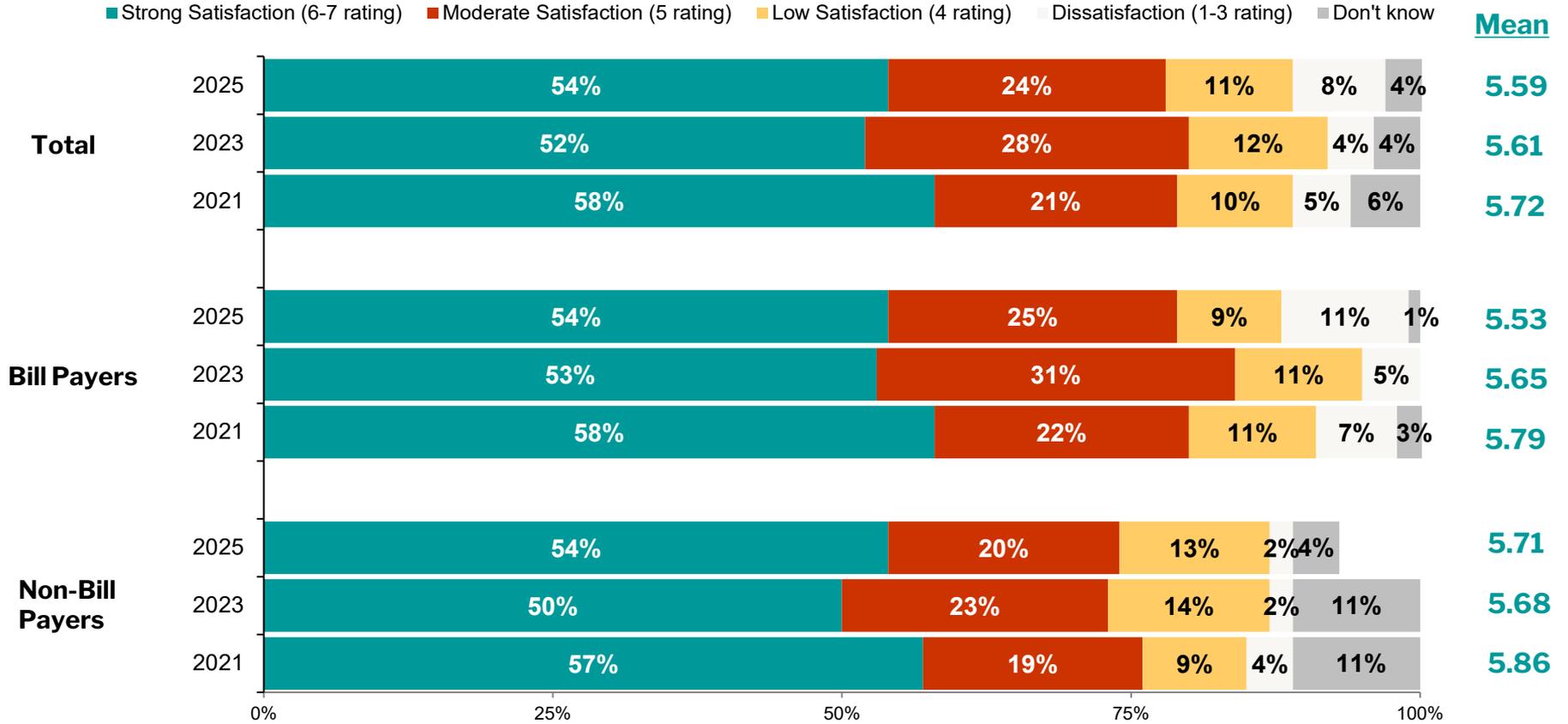
The Board of Water Supply
September 2025

Objectives and Methodology

- Objective: **To track measures of satisfaction & other key metrics related to perceptions of BWS and fulfillment of its mission.**
- This is the sixth wave of the tracking study. The baseline measure was conducted in 2015, with corresponding studies conducted in 2017, 2019, 2021, and 2023.
- For the third consecutive study, a mixed methodology phone/online survey among O'ahu residents was utilized.
- n=409 surveys conducted online (July 28 to August 20, 2025)
- n=301 surveys conducted via telephone (July 28 to August 20, 2025).
- Total of 710 interviews completed with O'ahu residents. Maximum sampling error for sample of n=710 is +/-3.7%.
- Data weighted by age & ethnicity; allows for more accurate tracking of data given that previous data were also weighted by same standards.
- Due to change in methodology in 2021 — to phone + online — 2021 is new baseline

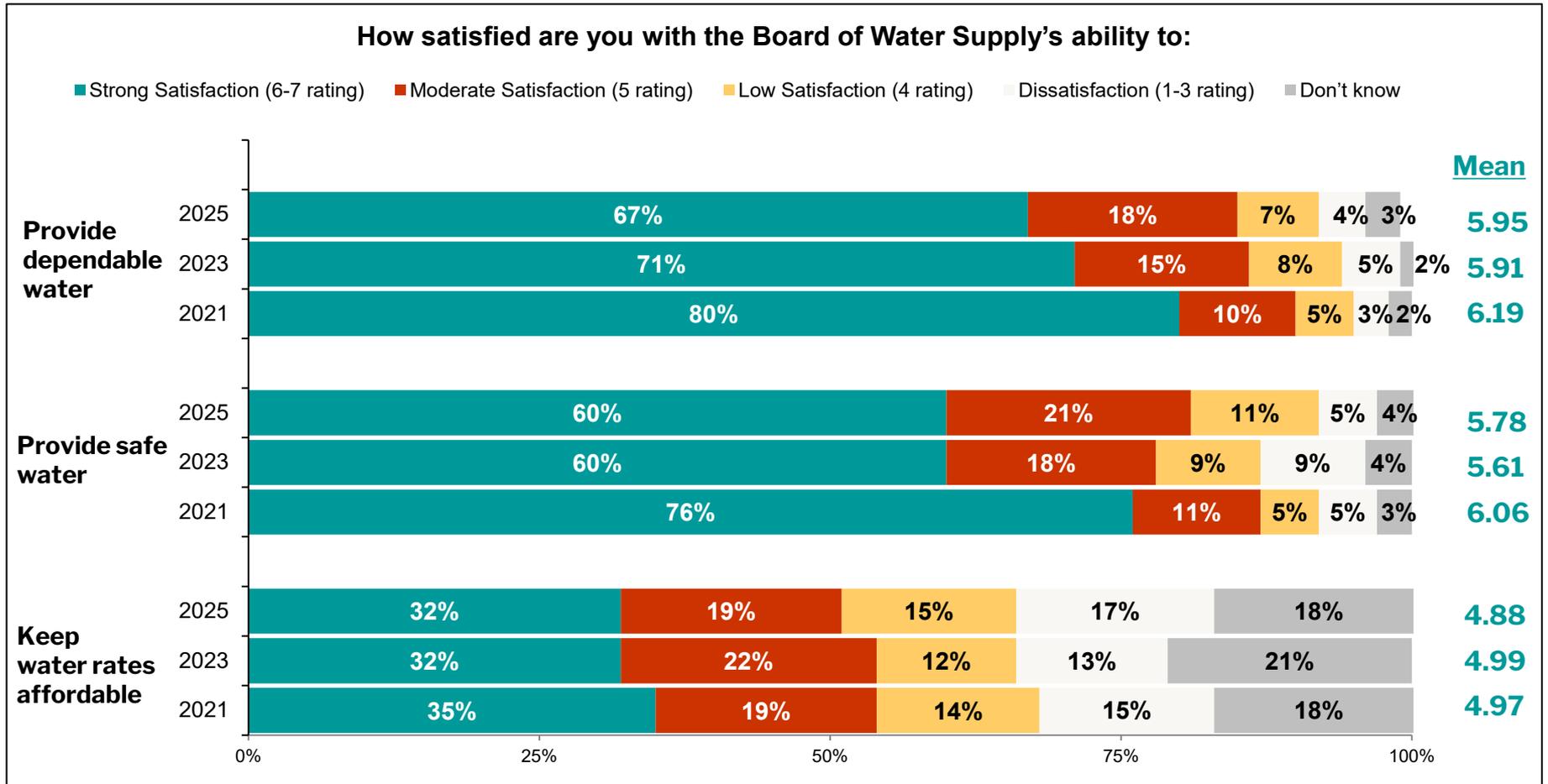
Overall Satisfaction with the BWS

How would you rate your overall satisfaction with the Board of Water Supply?



Base= Total: 2025=710, 2023=701, 2021=675; Bill Payers: 2025=482, 2023=471, 2021=423; Non-Bill Payers: 2025=228, 2023=230, 2021=252

The BWS Mission

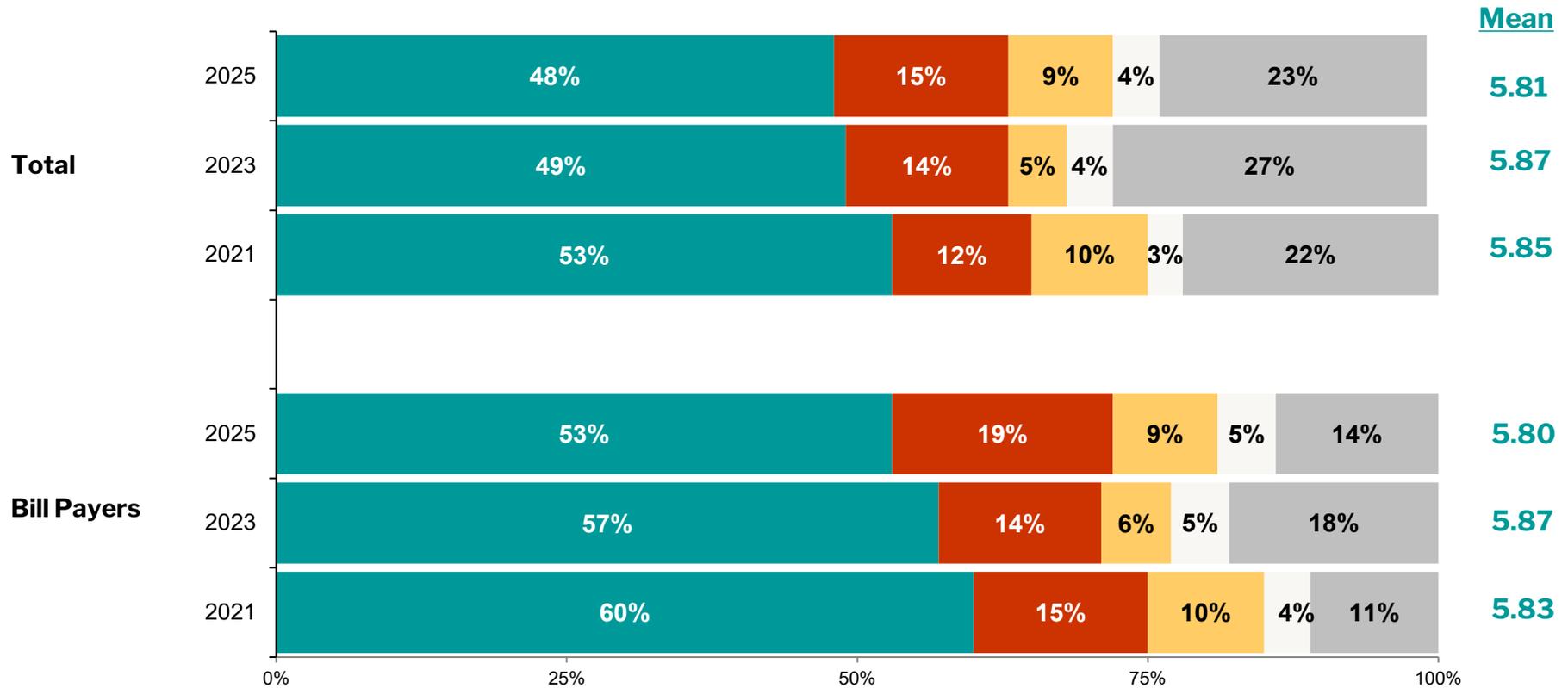


Base= Total: 2025=710, 2023=701, 2021=675

Satisfaction with Overall Customer Service

How would you rate your satisfaction with the Board of Water Supply in terms of overall customer service?

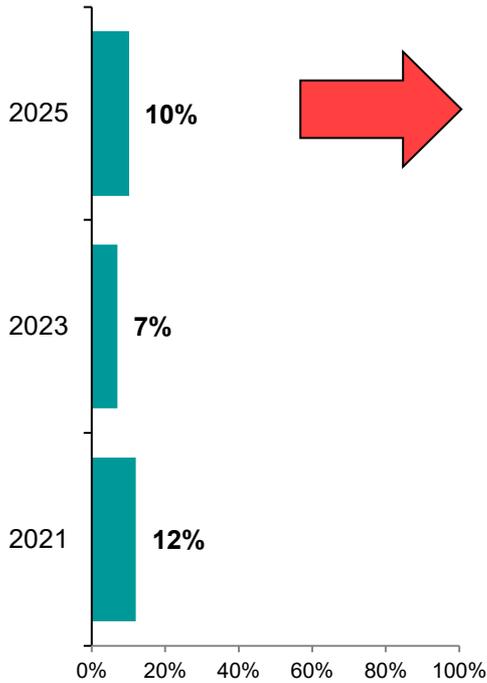
■ Strong Satisfaction (6-7 rating)
 ■ Moderate Satisfaction (5 rating)
 ■ Low Satisfaction (4 rating)
 ■ Dissatisfaction (1-3 rating)
 ■ Don't know



Base= Total: 2025=710, 2023=701, 2021=675; Bill Payers: 2025=482, 2023=471, 2021=423; Non-Bill Payers: 2025=228, 2023=230, 2021=252

Contacting the BWS – Bill Payers Only

In past 6 months, have you called the Board of Water Supply about an account, billing, or payment related matter?

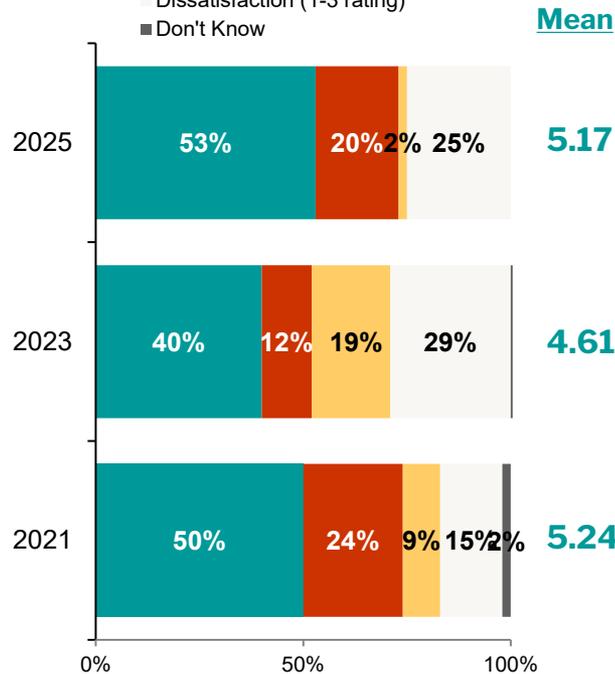


Note: Prior to 2021, question was worded “Did you contact the Board of Water Supply about a bill in the past six months?”

Base= Total: 2025=482, 2023=471, 2021=423

How satisfied were you with how the communication was handled?

- Strong Satisfaction (6-7 rating)
- Moderate Satisfaction (5 rating)
- Low Satisfaction (4 rating)
- Dissatisfaction (1-3 rating)
- Don't Know



Base= 2025=50, 2023=34, 2021=52

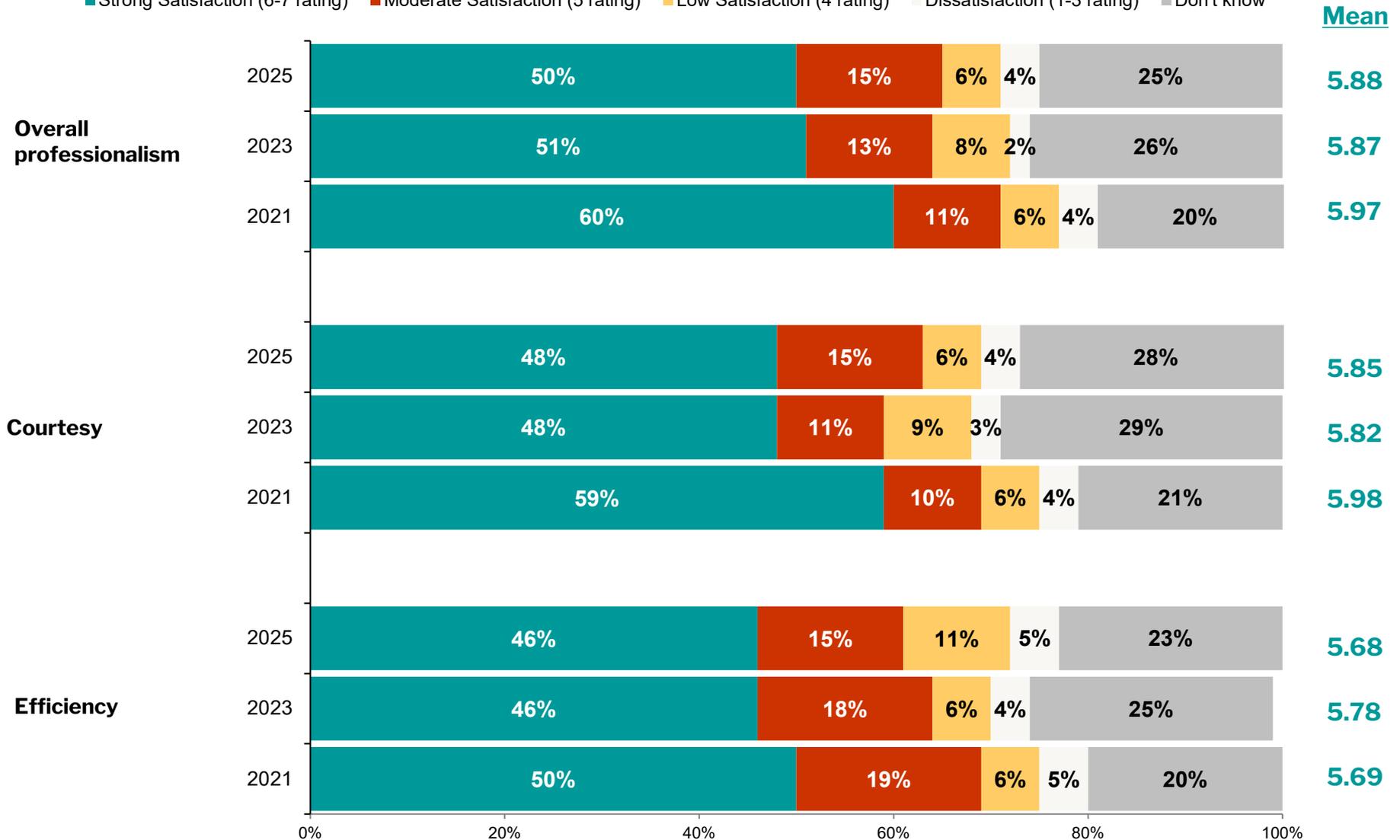
Why do you say that?



Base= 2025=50, 2023=34, 2021=52

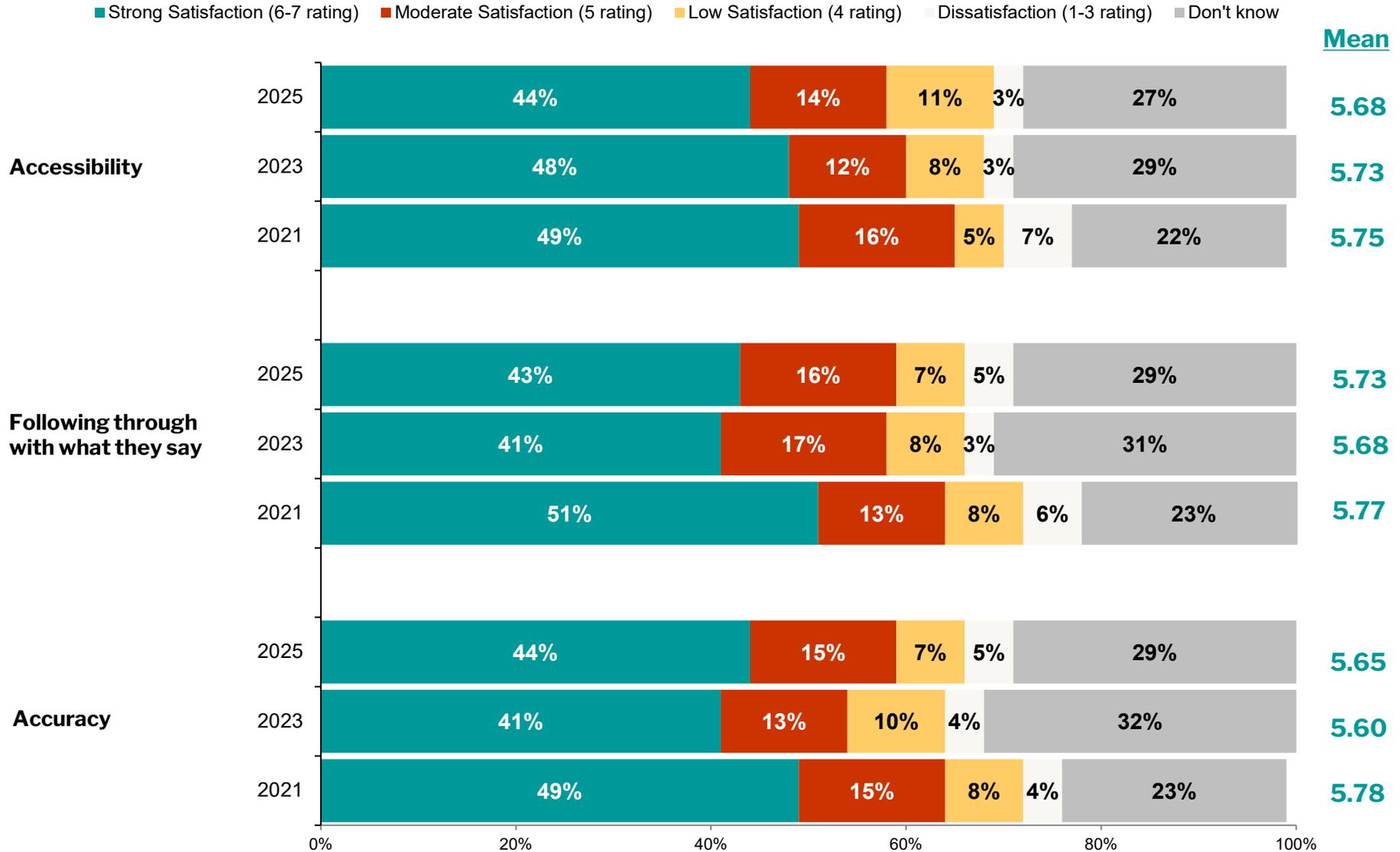
BWS Employees

■ Strong Satisfaction (6-7 rating)
 ■ Moderate Satisfaction (5 rating)
 ■ Low Satisfaction (4 rating)
 ■ Dissatisfaction (1-3 rating)
 ■ Don't know



Base= Total: 2025=710, 2023=701, 2021=675

BWS Employees

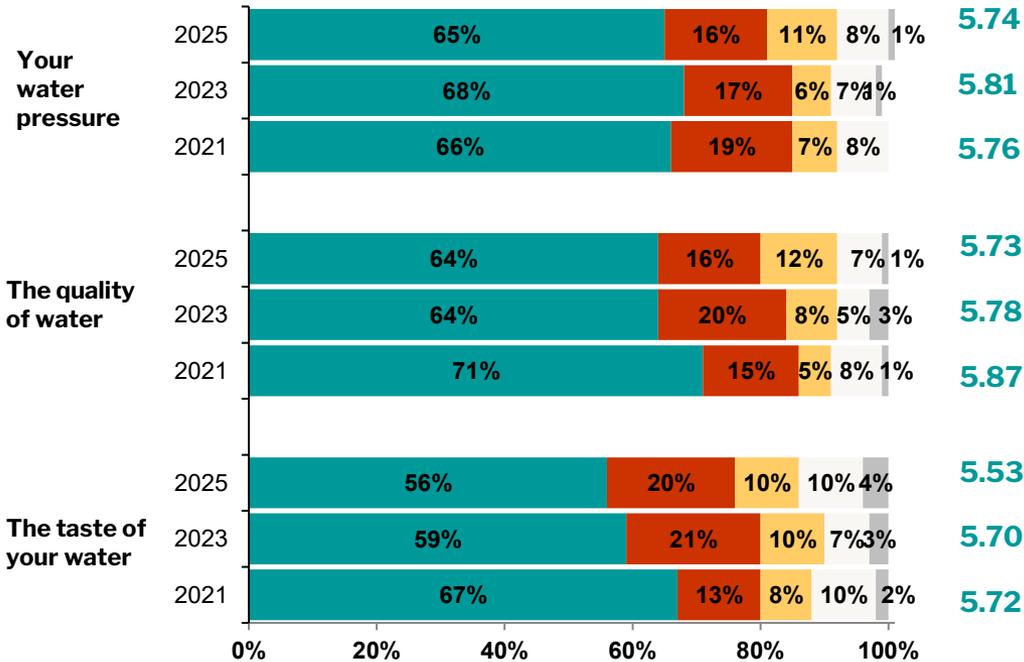


Base= Total: 2025=710, 2023=701, 2021=675

The Quality of Water

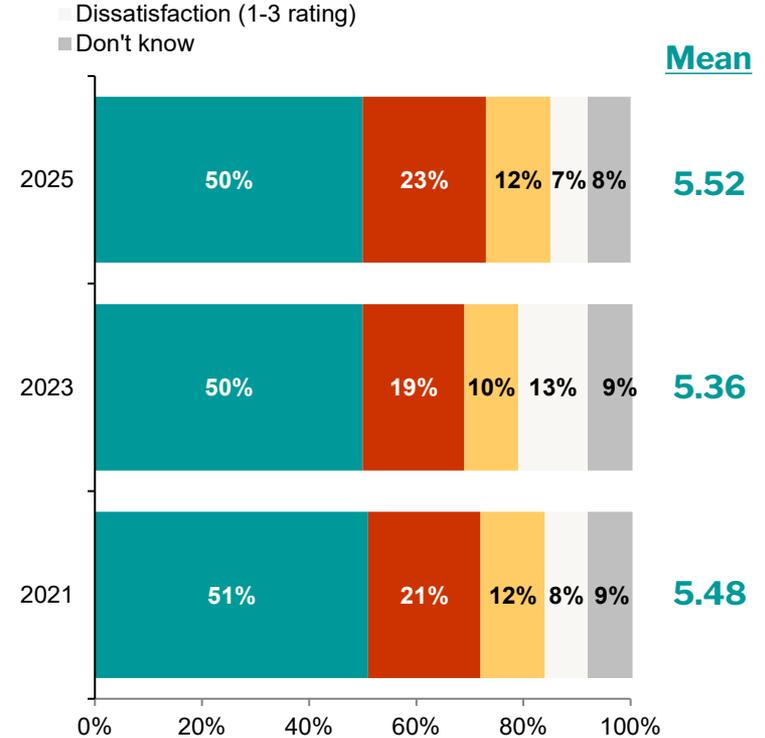
How satisfied are you with:

- Strong Satisfaction (6-7 rating)
- Moderate Satisfaction (5 rating)
- Low Satisfaction (4 rating)
- Dissatisfaction (1-3 rating)
- Don't know



How satisfied are you with the job that the Board of Water Supply is doing protecting, managing, and sustaining O'ahu's water resources?

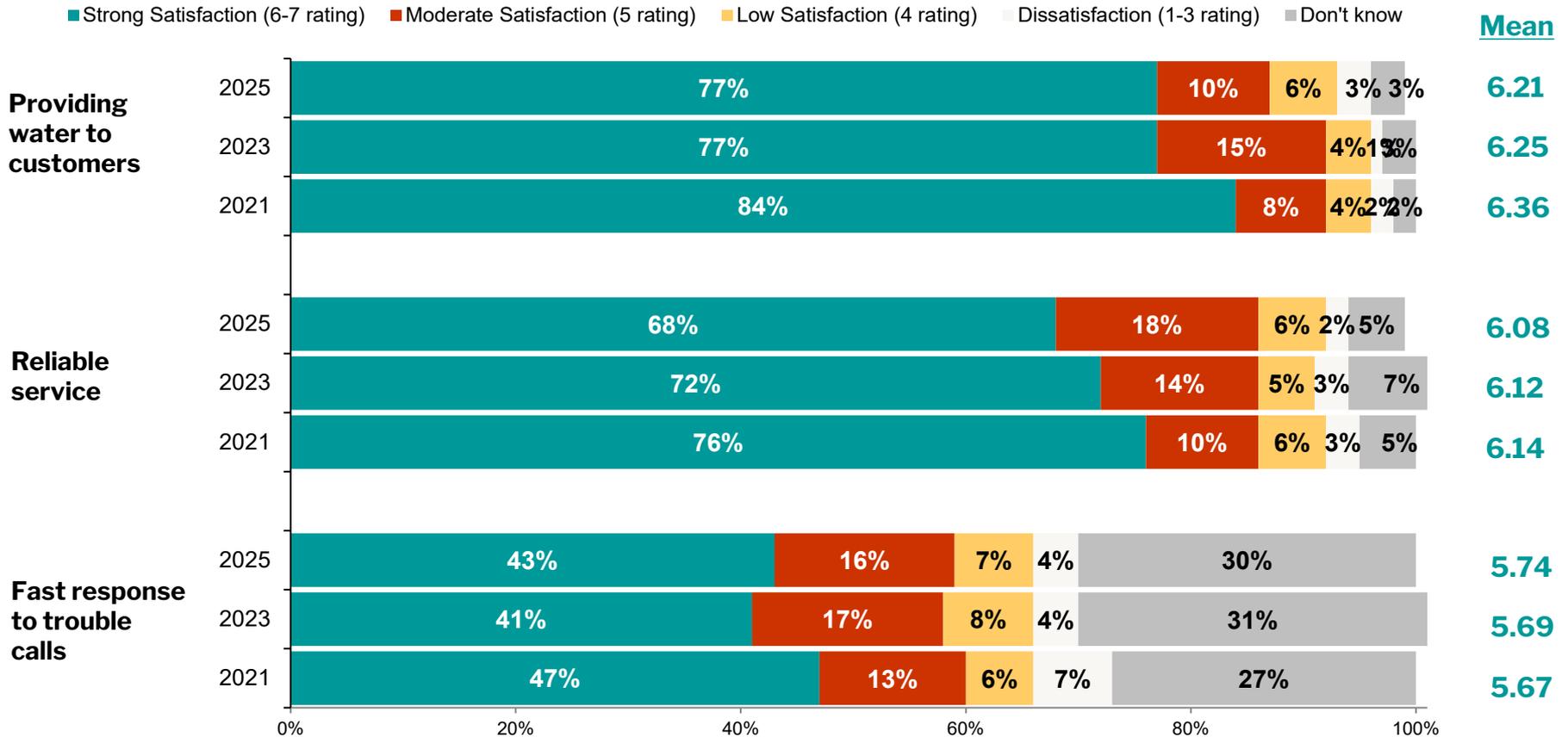
- Strong Satisfaction (6-7 rating)
- Moderate Satisfaction (5 rating)
- Low Satisfaction (4 rating)
- Dissatisfaction (1-3 rating)
- Don't know



Base= Total: 2025=710, 2023=701, 2021=675

The Delivery of Water Service

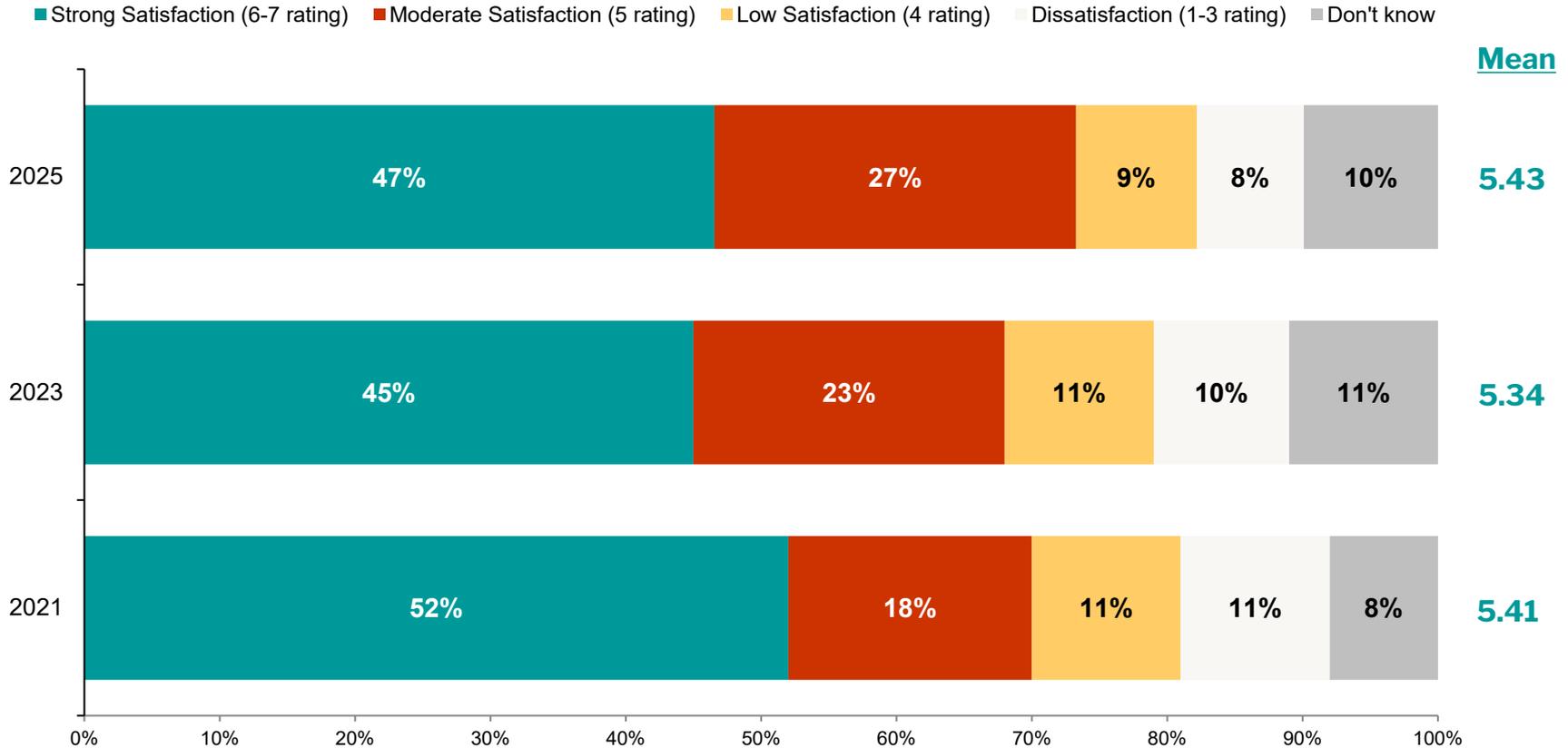
How would you rate your satisfaction with the Board of Water Supply in terms of:



Base= Total: 2025=710, 2023=701, 2021=675

The Water Delivery System

How satisfied are you with the job that the Board of Water Supply is doing repairing, maintaining, and replacing O'ahu's water delivery system?

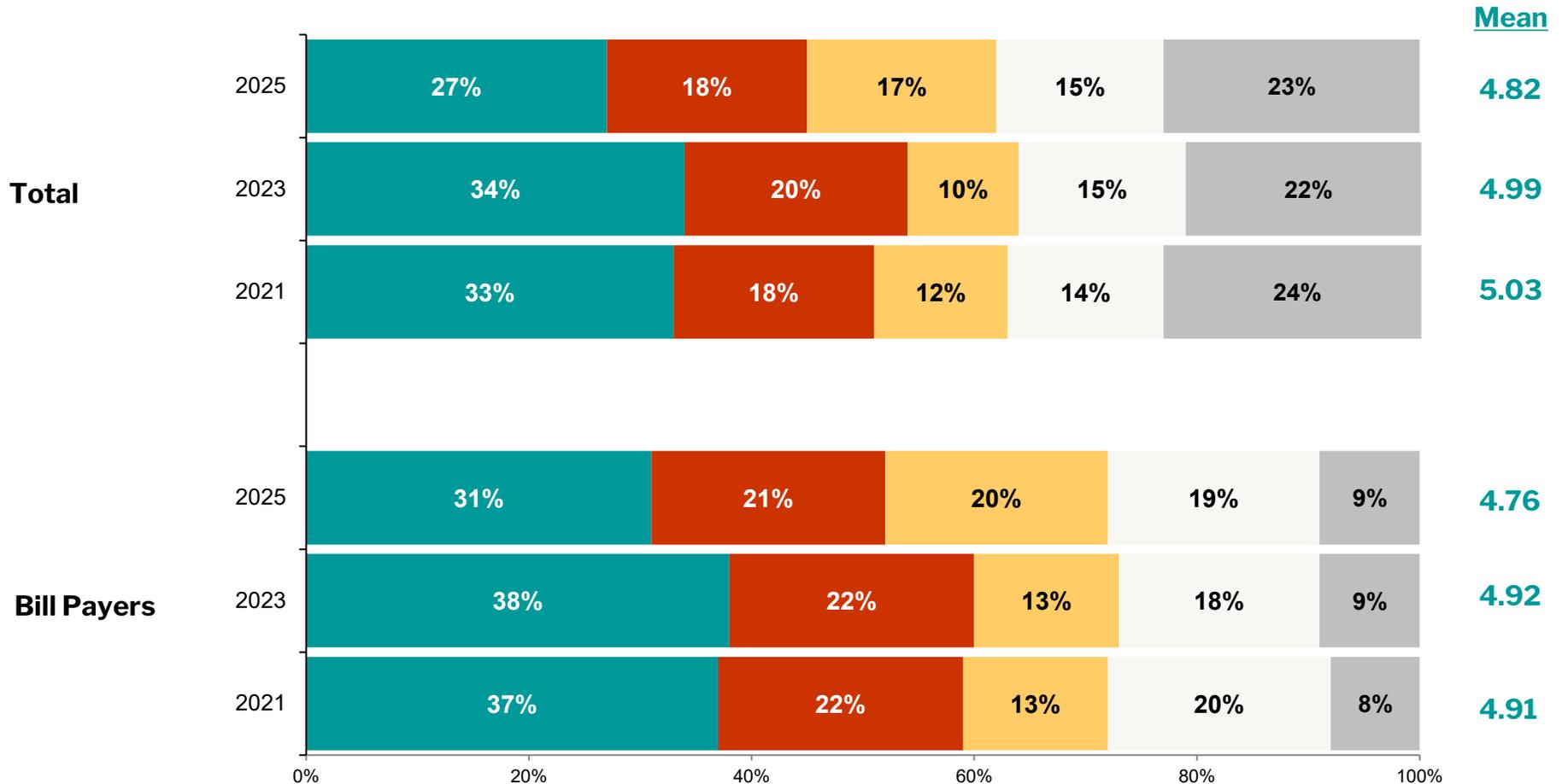


Base= Total: 2025=710, 2023=701, 2021=675

Fairness of Water Rates

How would you rate your satisfaction with the Board of Water Supply in terms of fairness of water rates?

■ Strong Satisfaction (6-7 rating) ■ Moderate Satisfaction (5 rating) ■ Low Satisfaction (4 rating) ■ Dissatisfaction (1-3 rating) ■ Don't know

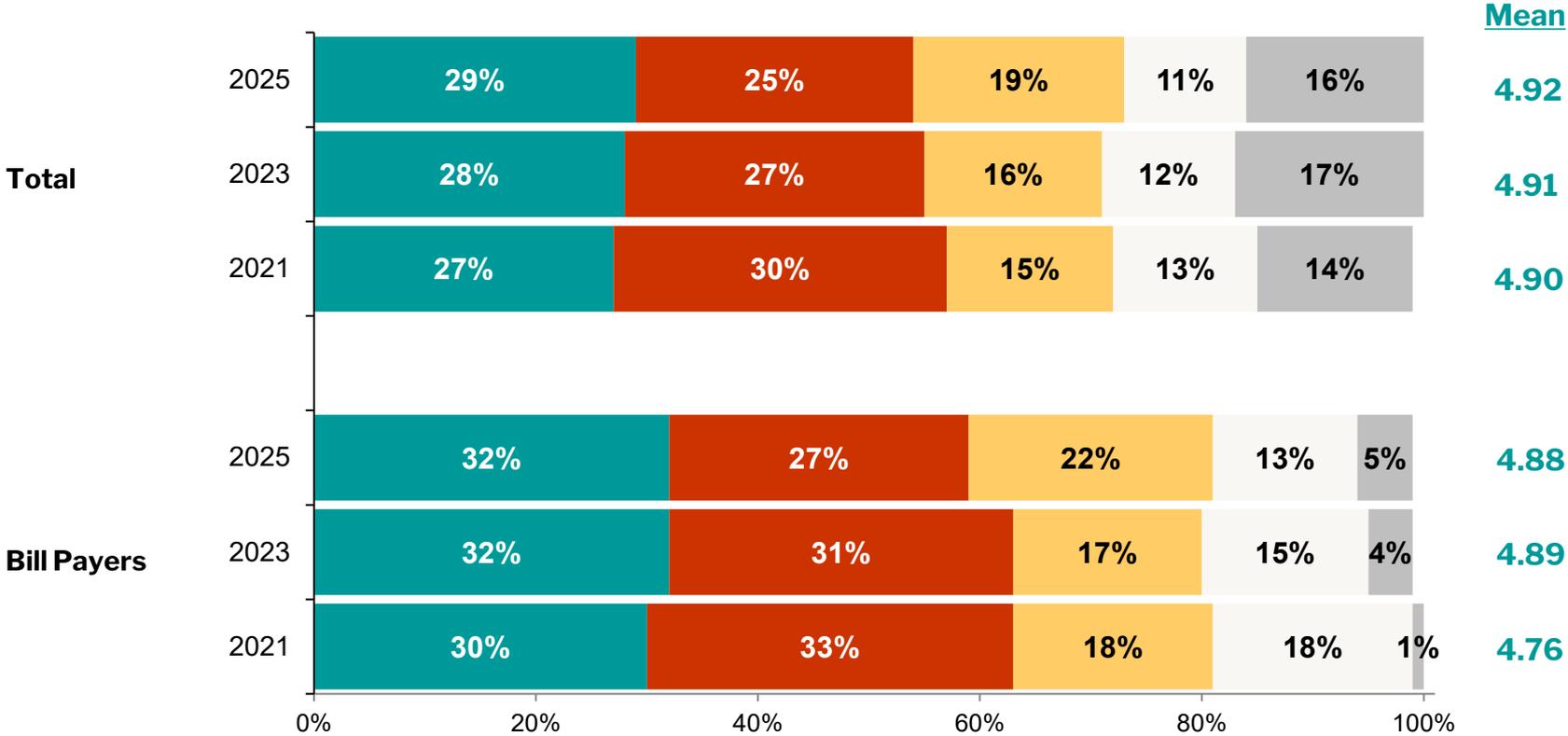


Base= Total: 2025=710, 2023=701, 2021=675; Bill Payers: 2025=482, 2023=471, 2021=423

Perceptions about Affordability of Water Service

How affordable would you say your water service is?

■ Very affordable (6-7 rating)
 ■ Moderately affordable (5 rating)
 ■ Somewhat not affordable (4 rating)
 ■ Not affordable (1-3 rating)
 ■ Don't know

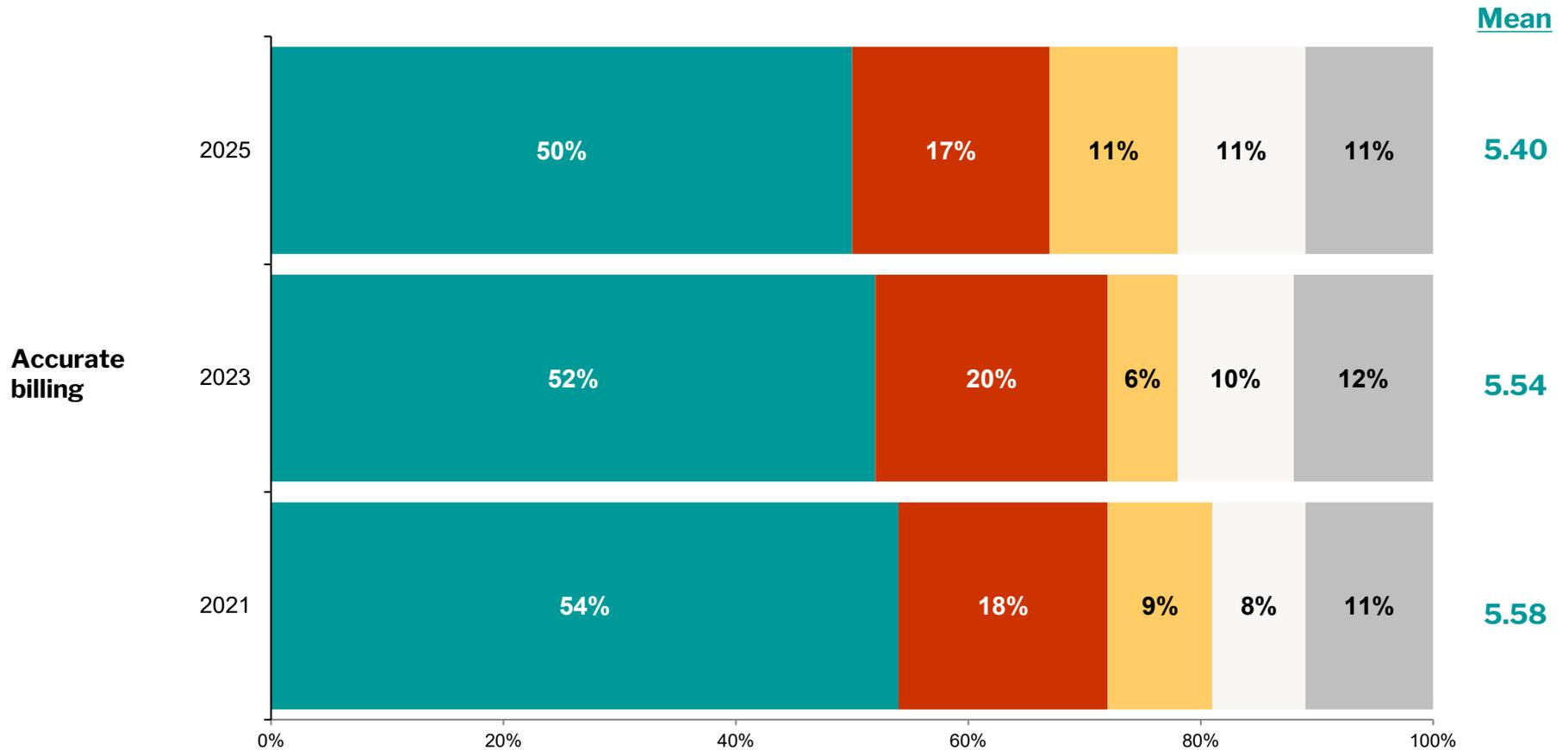


Base= Total: 2025=710, 2023=701, 2021=675; Bill Payers: 2025=482, 2023=471, 2021=423

About the Bill – Bill Payers Only

How satisfied are you with:

■ Strong Satisfaction (6-7 rating) ■ Moderate Satisfaction (5 rating) ■ Low Satisfaction (4 rating) ■ Dissatisfaction (1-3 rating) ■ Don't know



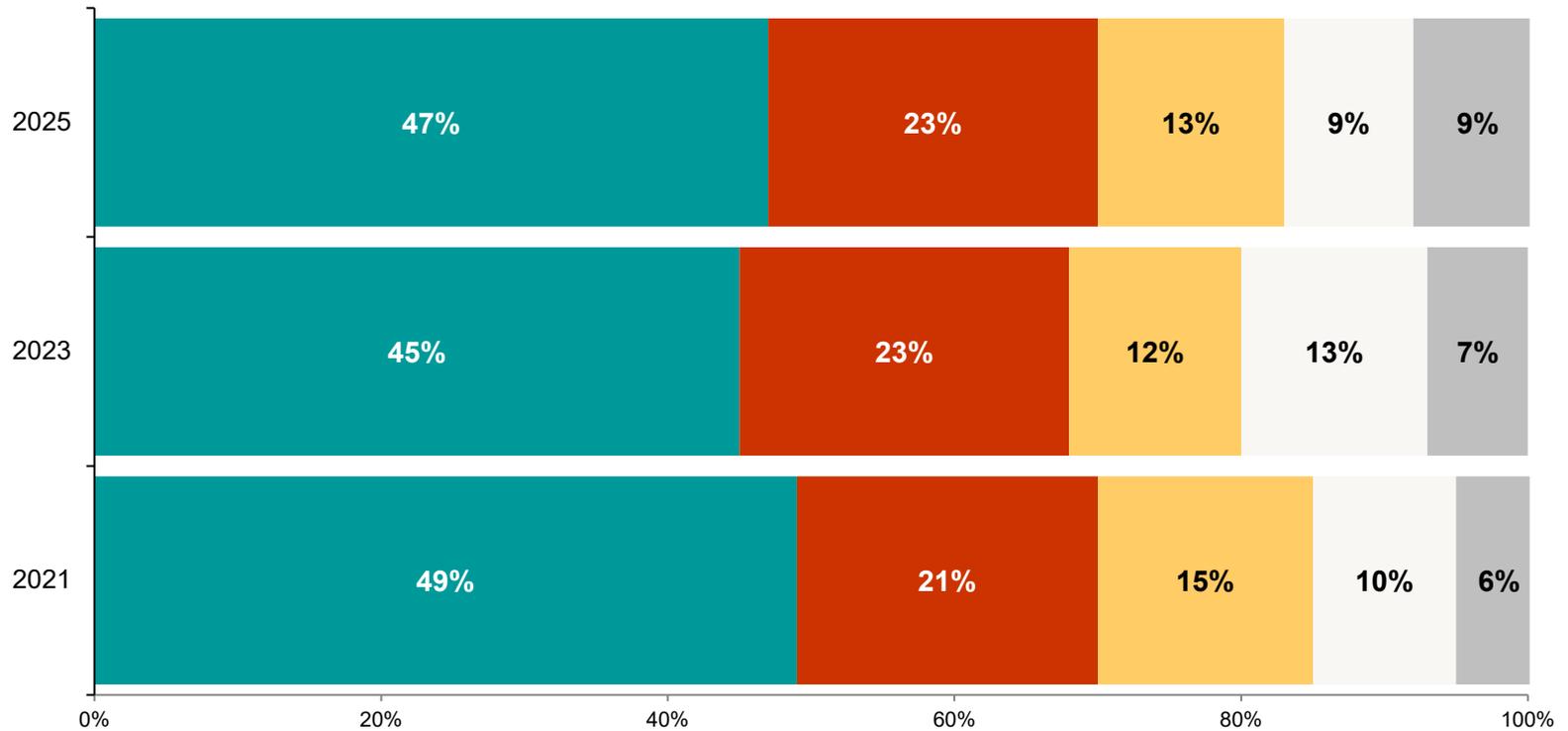
Base= Bill Payers: 2025=482, 2023=471, 2021=423

Water Conservation

How would you rate the Board of Water Supply in terms of their efforts to inform residents how to conserve water and keep their bills lower?

■ Strong Satisfaction (6-7 rating) ■ Moderate Satisfaction (5 rating) ■ Low Satisfaction (4 rating) ■ Dissatisfaction (1-3 rating) ■ Don't know

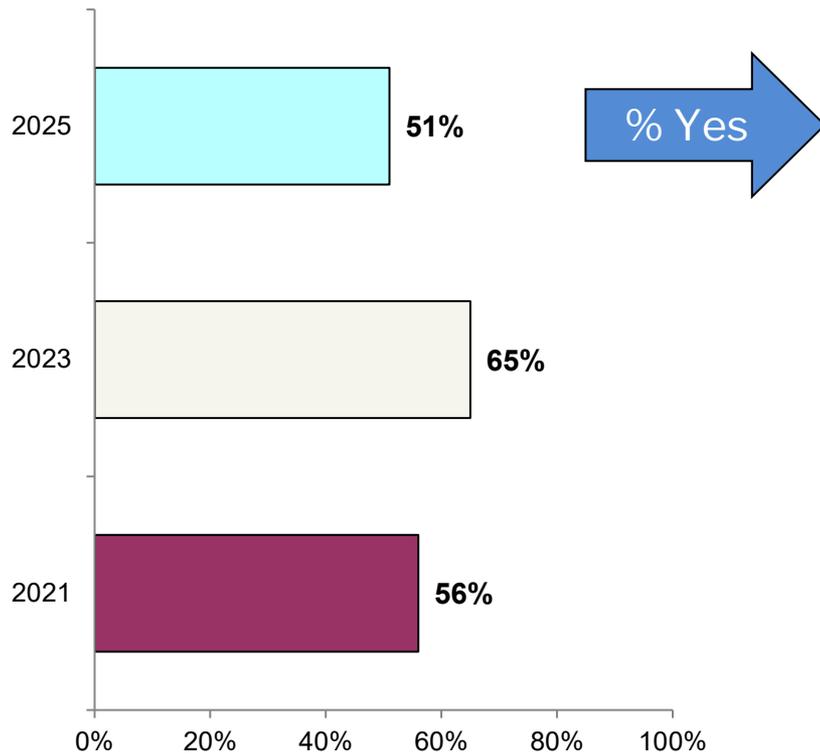
Mean



Base= Total: 2025=710, 2023=701, 2021=675

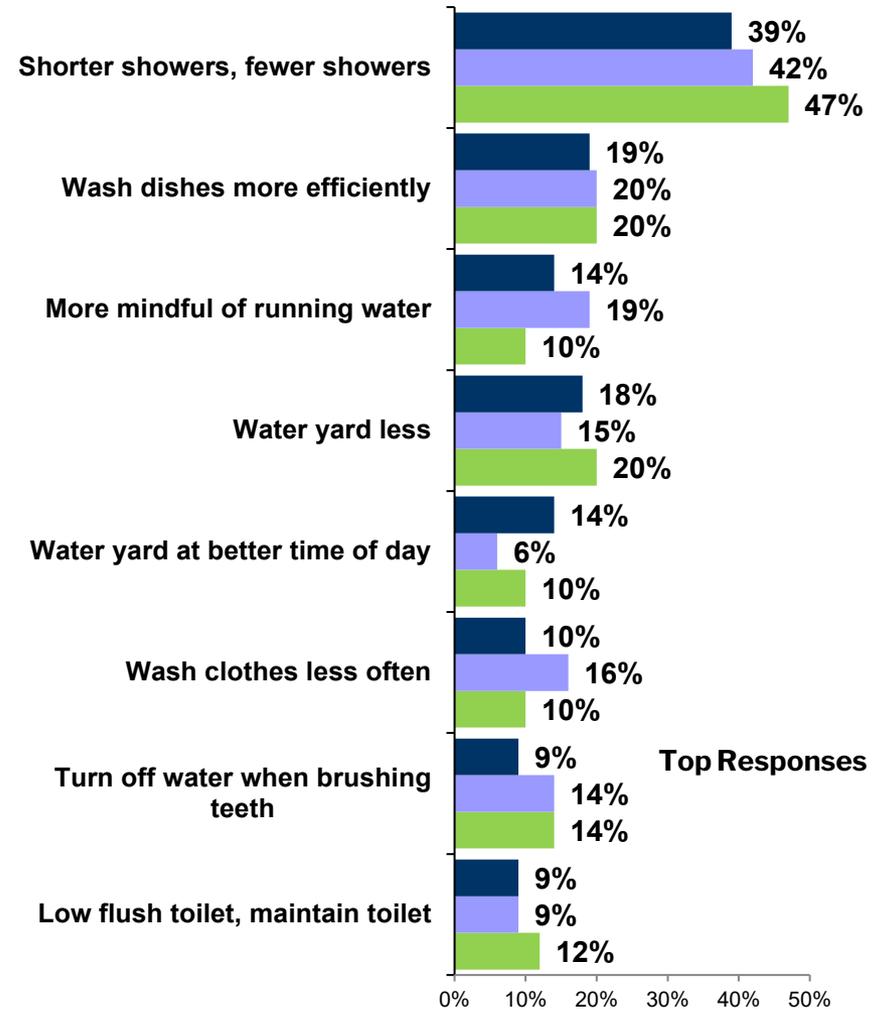
Changes in Daily Routines To Conserve Water – (added in 2021)

In the past year or two, have you made any changes in your daily routines to conserve water?



Base= Total: 2025=710, 2023=701, 2021=675
 *Question was added in 2021

What kinds of changes have you made?



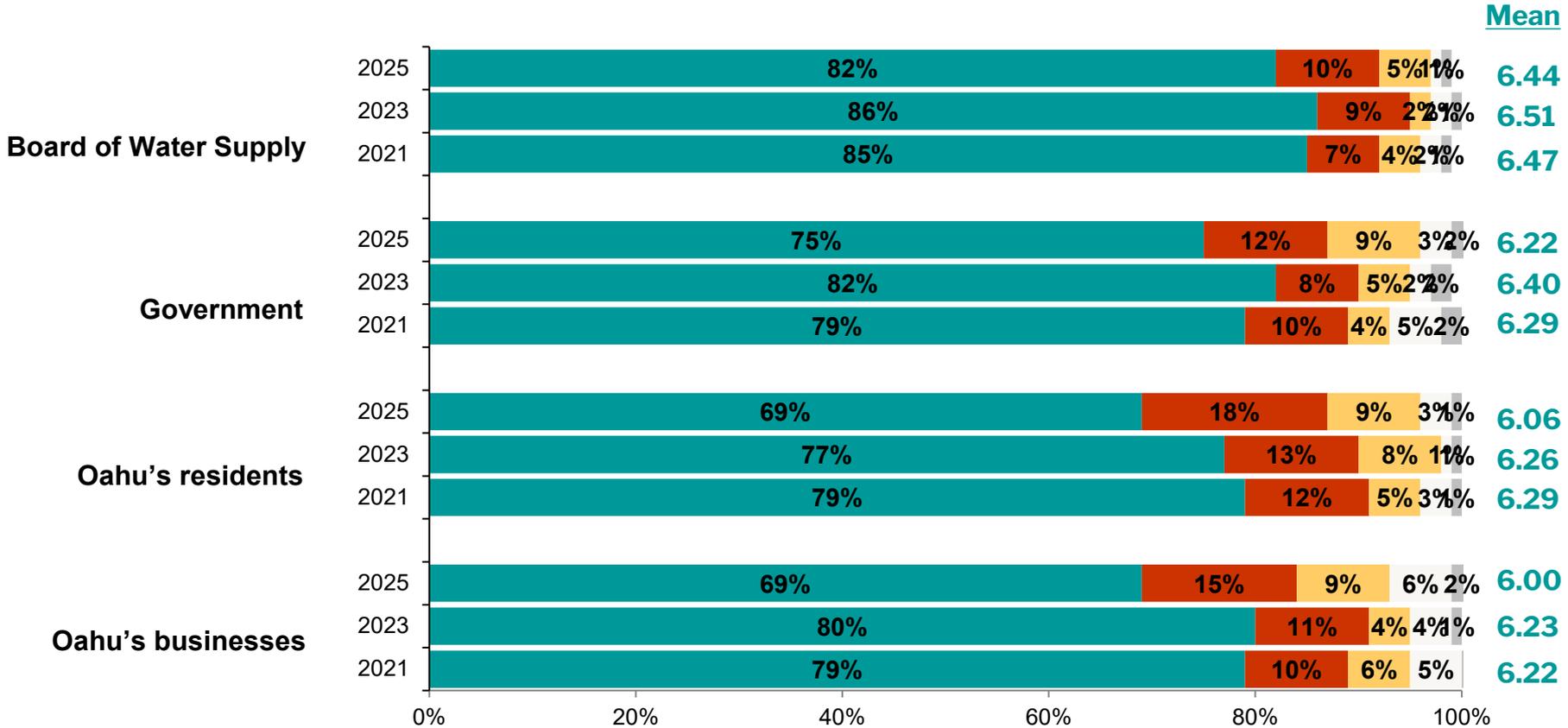
Base= Total: 2025=710, 2023=701, 2021=379
 *Question was added in 2021

Responsibility in Water Conservation – (added in 2021)

Who has the greatest responsibility in water conservation?

■ Great responsibility (6-7 rating)
 ■ Moderate Responsibility (5 rating)
 ■ Low Responsibility (4 rating)

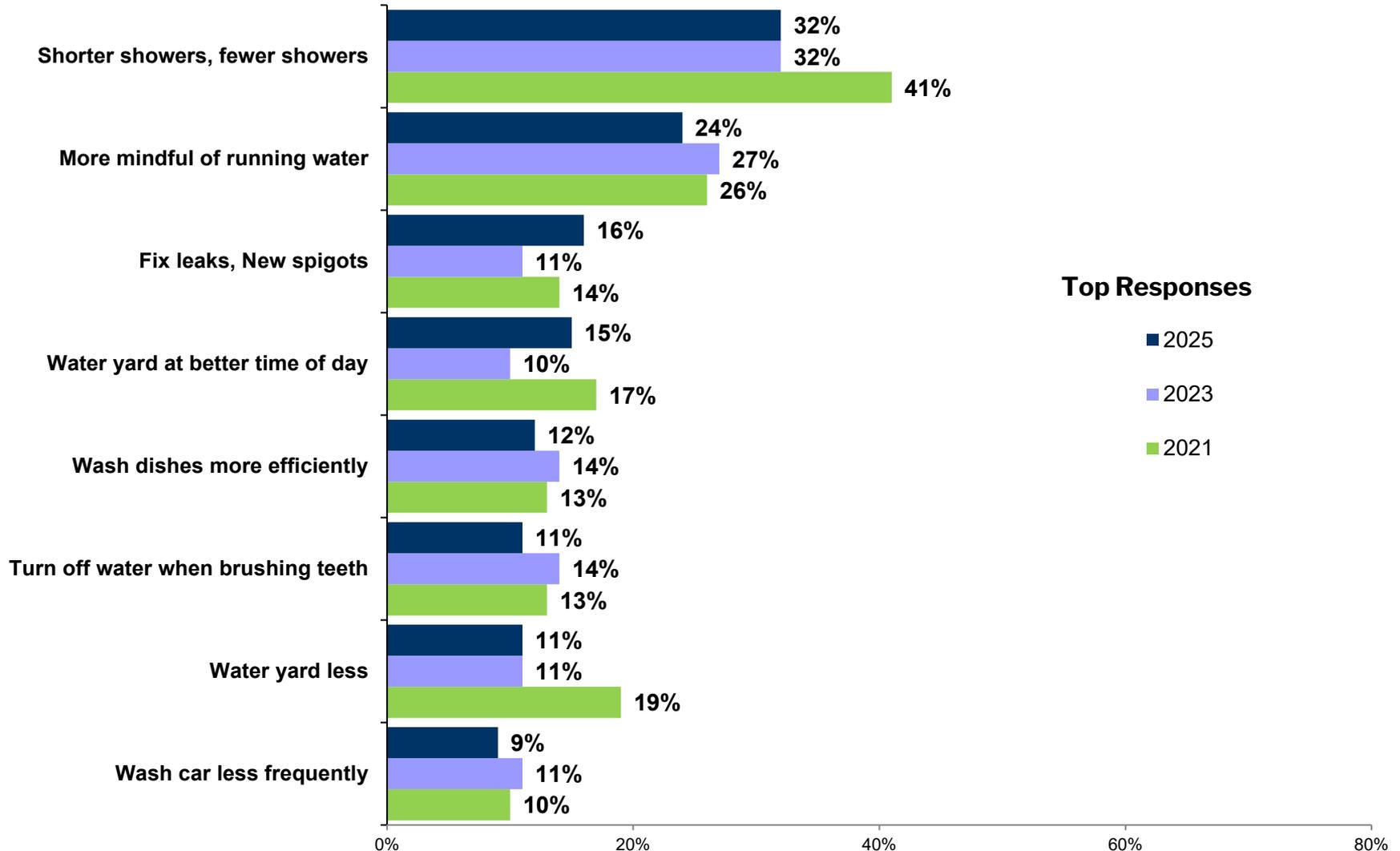
■ No Responsibility (1-3 rating)
 ■ Don't know



Base= Total: 2025=710, 2023=701, 2021=675 *Question was added in 2021

Suggestions For Conserving Water – (added in 2021)

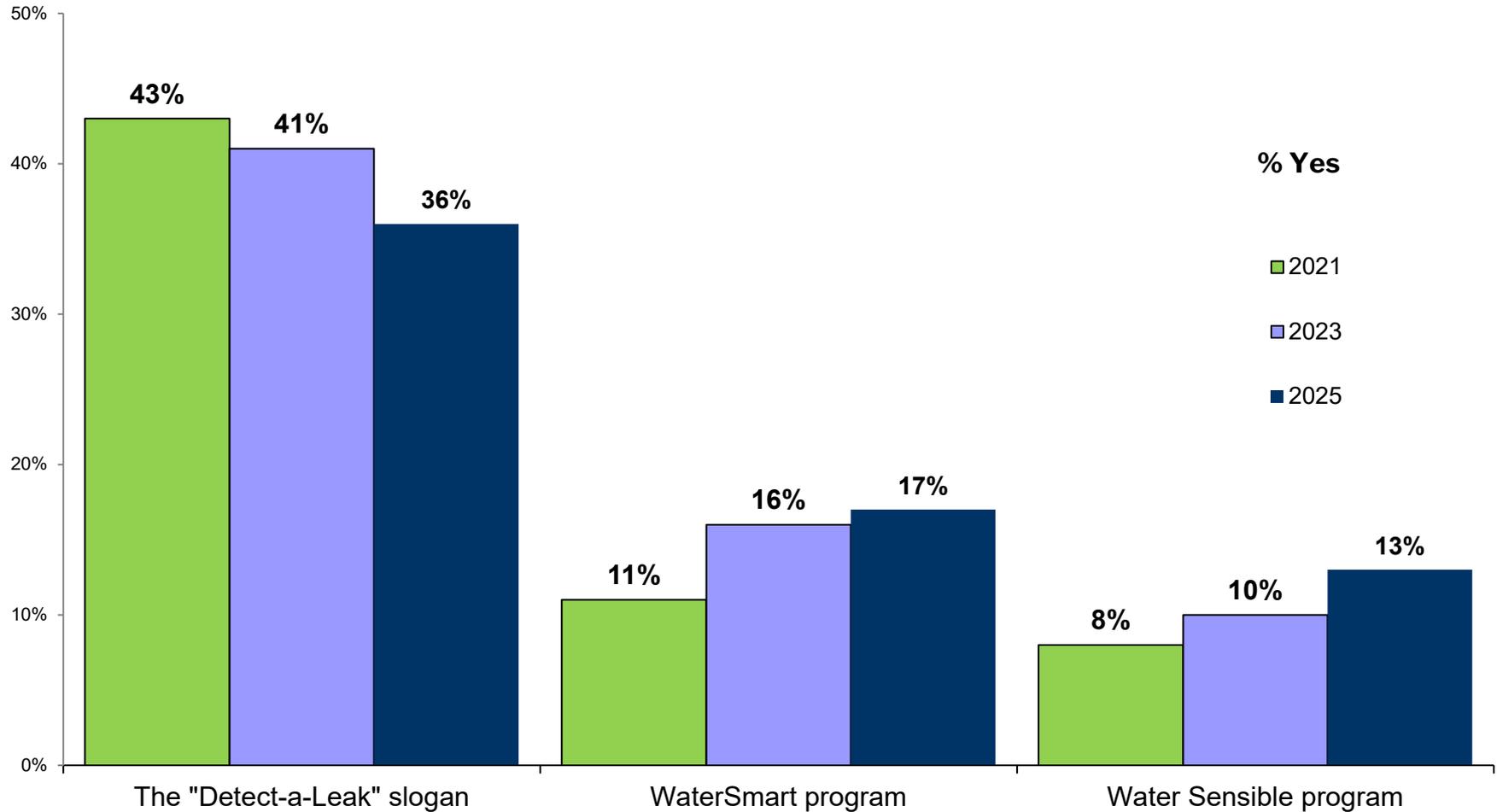
If someone asked you what are some of the ways that you could conserve water, what would you say?



Base= Total: 2025=710, 2023=701, 2021=675 *Question was added in 2021

BWS Programs (added in 2021)

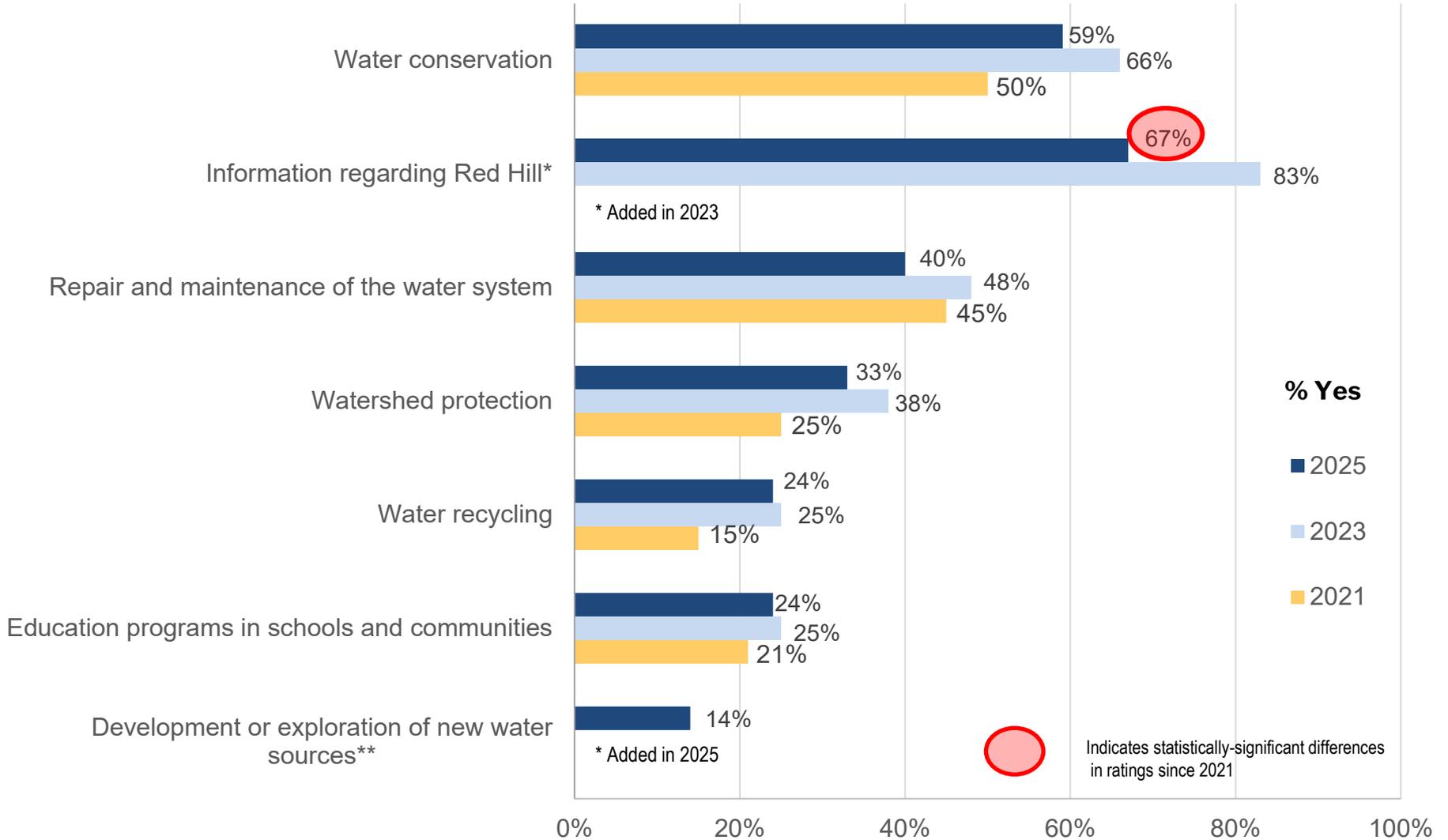
Have you ever seen, read, or heard of...



Base= Total: 2025=710, 2023=701, 2021=675
*Question added in 2021

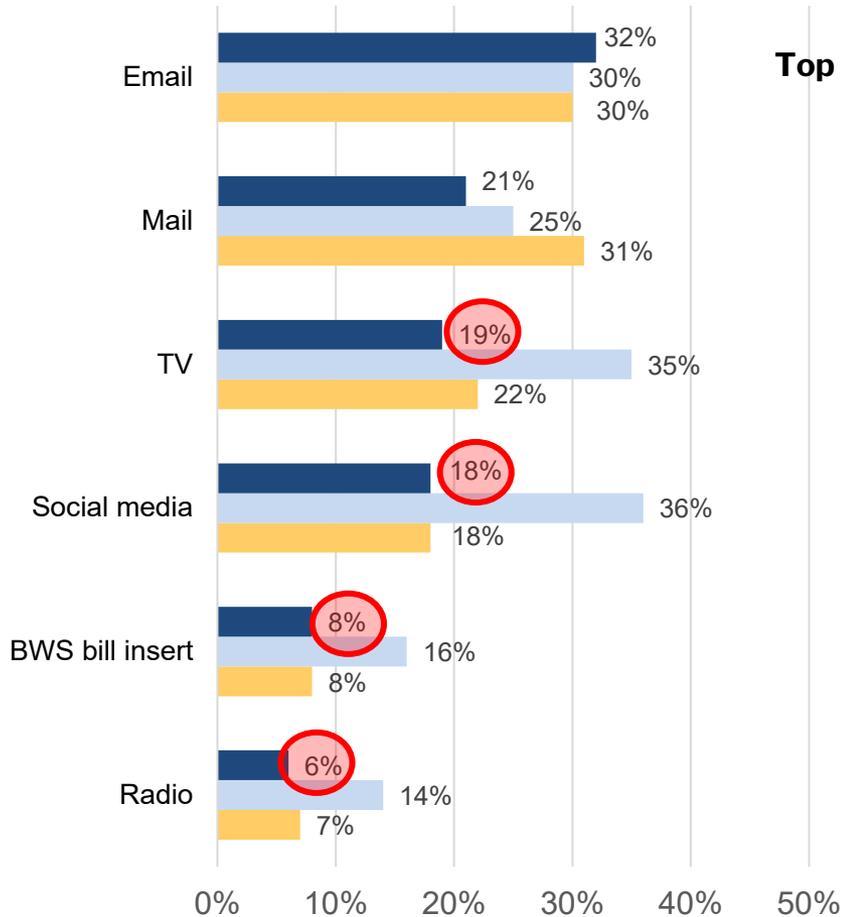
BWS Programs and Activities

Have seen or heard of the BWS's activities and programs in the following areas



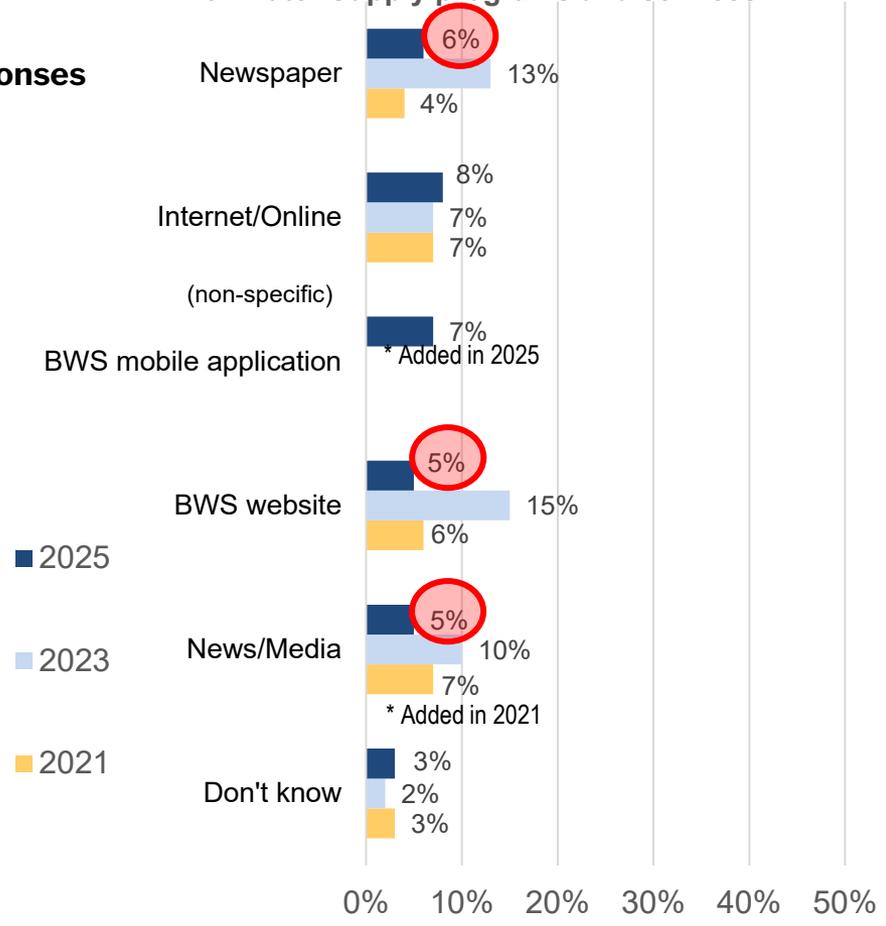
Communication from the BWS

How do you prefer to get information about Board of Water Supply programs and services?



Top Responses

How do you prefer to get information about Board of Water Supply programs and services?

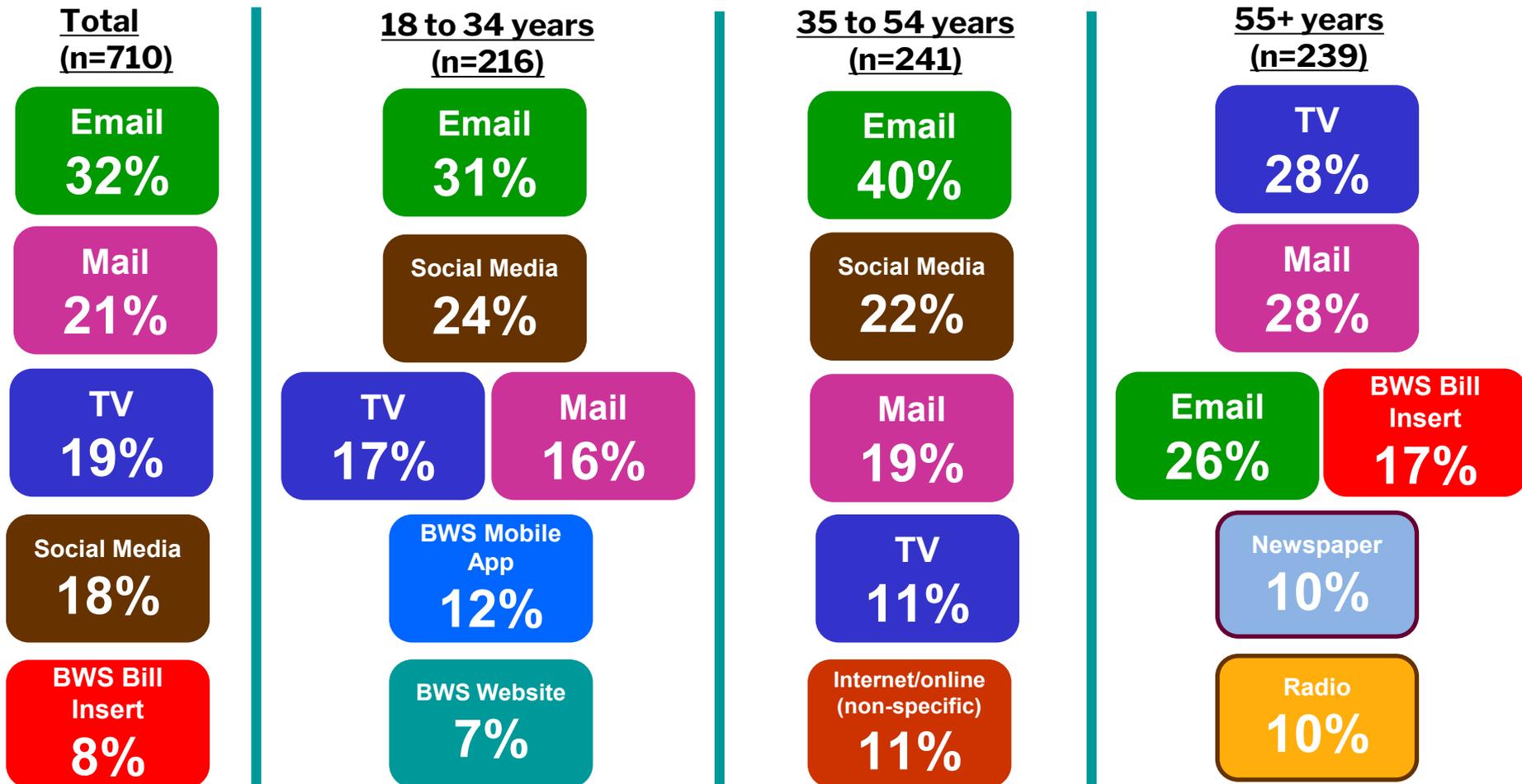


Base= Total: 2025=710, 2023=701, 2021=675

 Indicates statistically-significant differences in responses since 2021

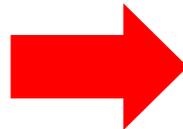
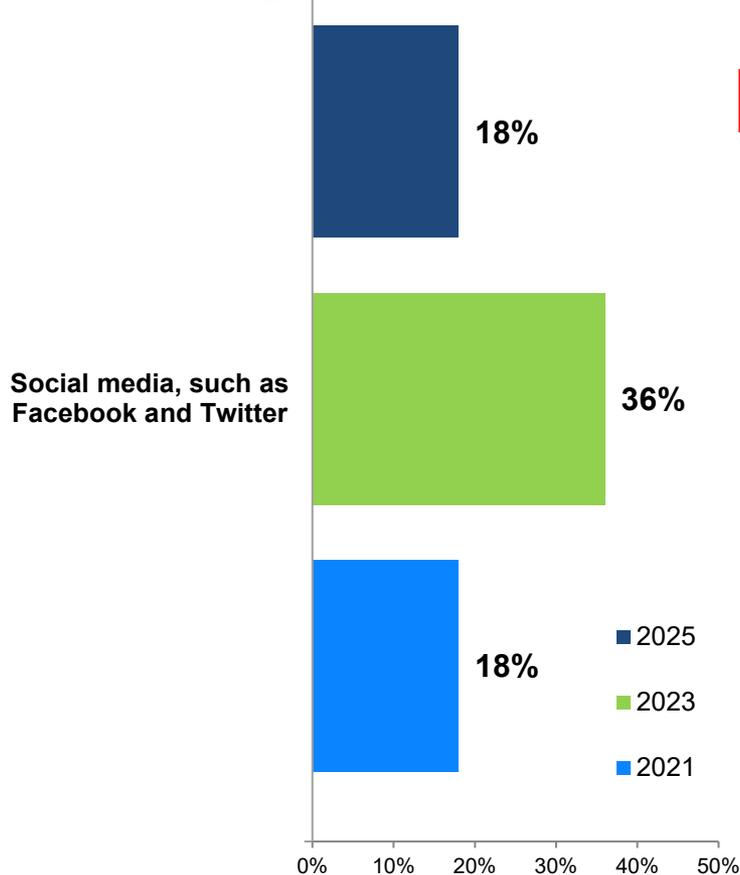
Communication from the BWS (by Age Segments)

How do you prefer to get information about Board of Water Supply programs and services?

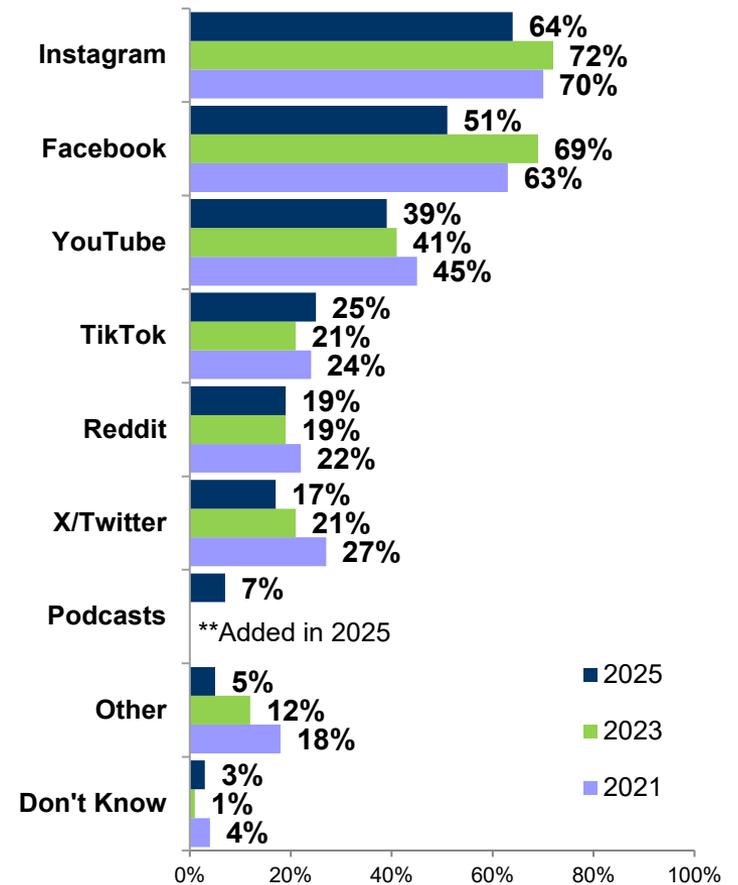


Digital Information

How do you prefer to get information about Board of Water Supply programs and services?



Where do you get your digital information?

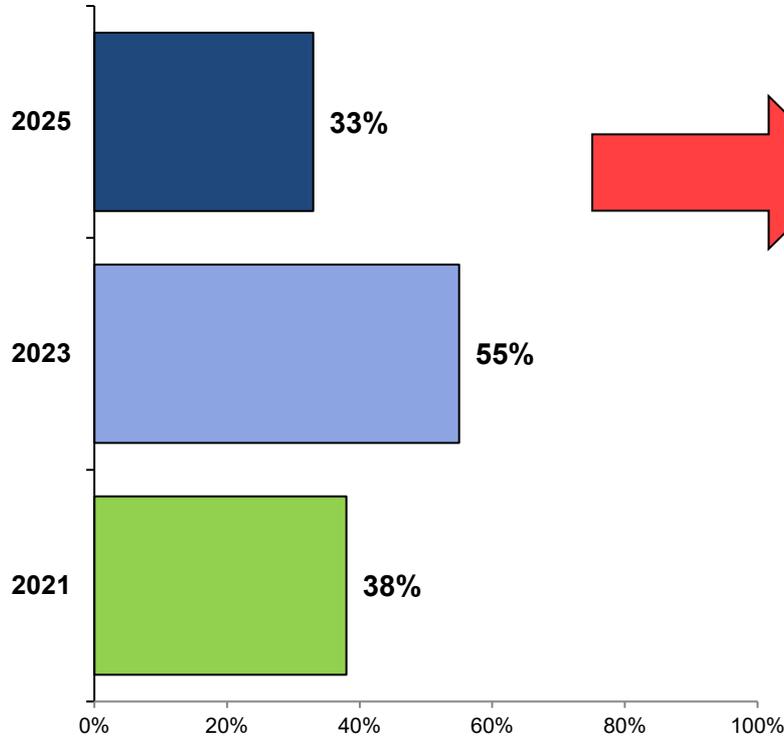


Base= Total: 2025=710, 2023=701, 2021=675

Base= Total: 2025=128, 2023=254, 2021=120

Message Recall

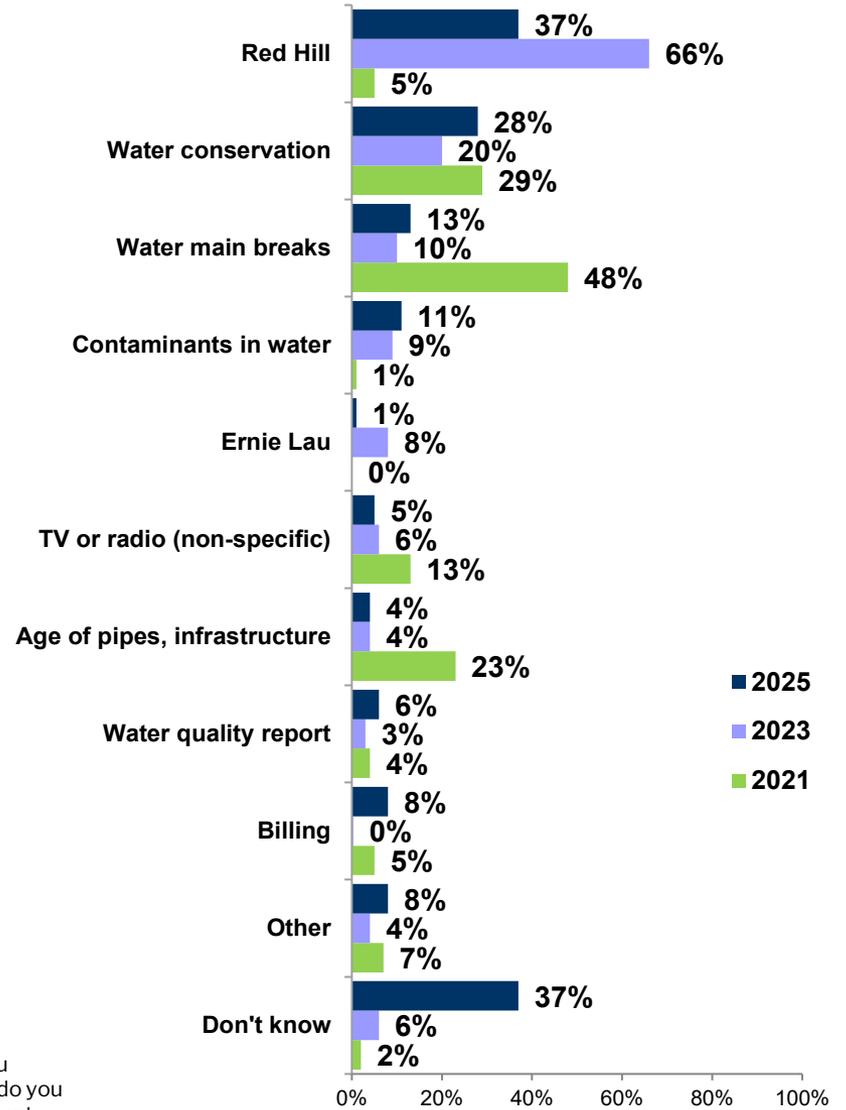
In the past 6 months, do you remember seeing or hearing any messages or news stories* from the Board of Water Supply?



Base= Total: 2025=710, 2023=701, 2021=675

Note: *Prior to 2021, there were two separate questions --- "In the past 6 months, do you remember seeing or hearing any messages from the BWS?" and "In the past 6 months, do you remember seeing or hearing any stories in the news concerning the BWS?" --- with separate follow-up questions "What do you remember seeing or hearing?"

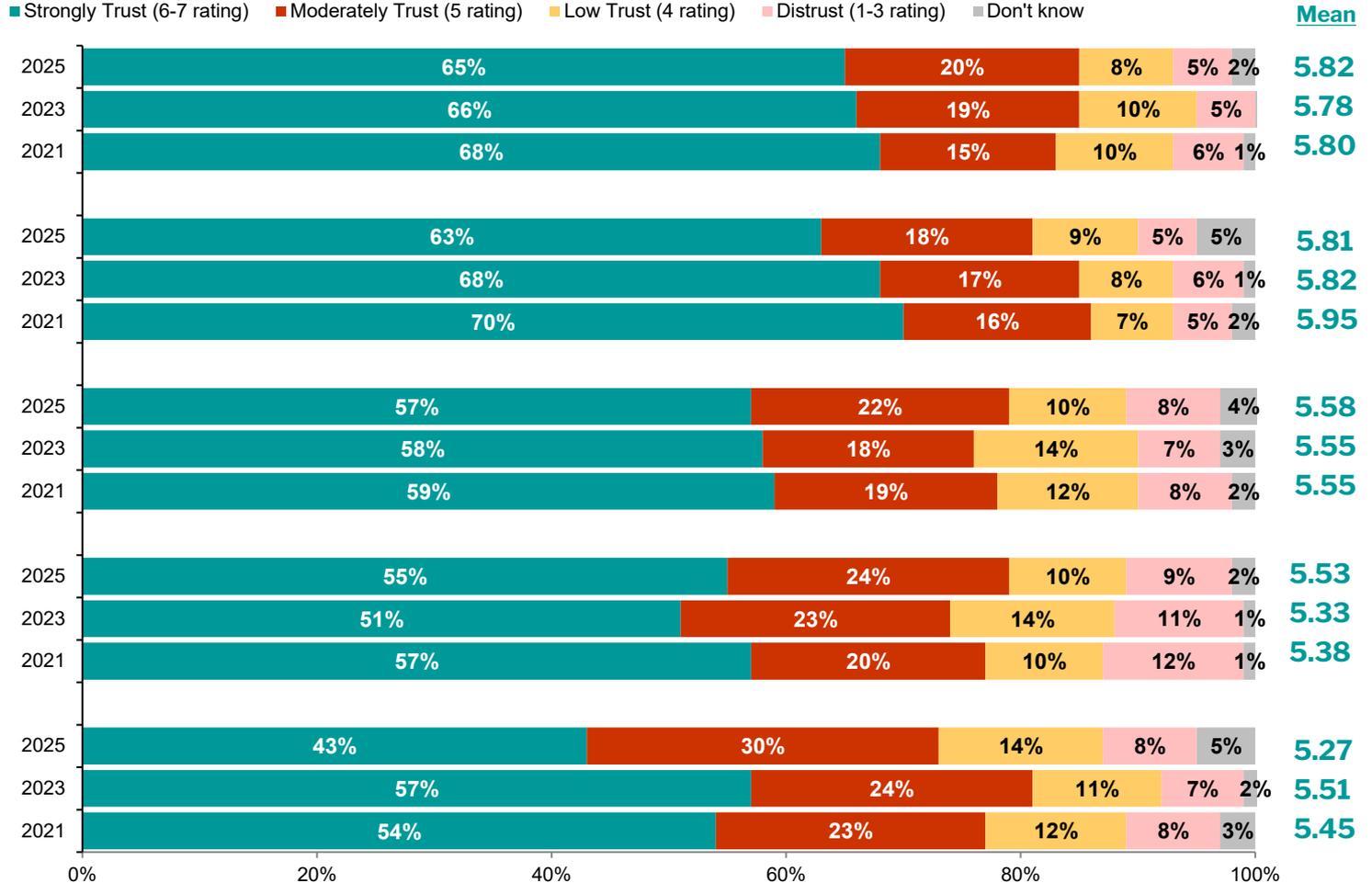
What do you remember seeing or hearing?



Base= Total: 2025=234, 2023=387, 2021=256

Sources of Information about Freshwater Issues (1 of 2)

Which sources do you trust to provide honest, accurate information about freshwater issues in Hawaii?



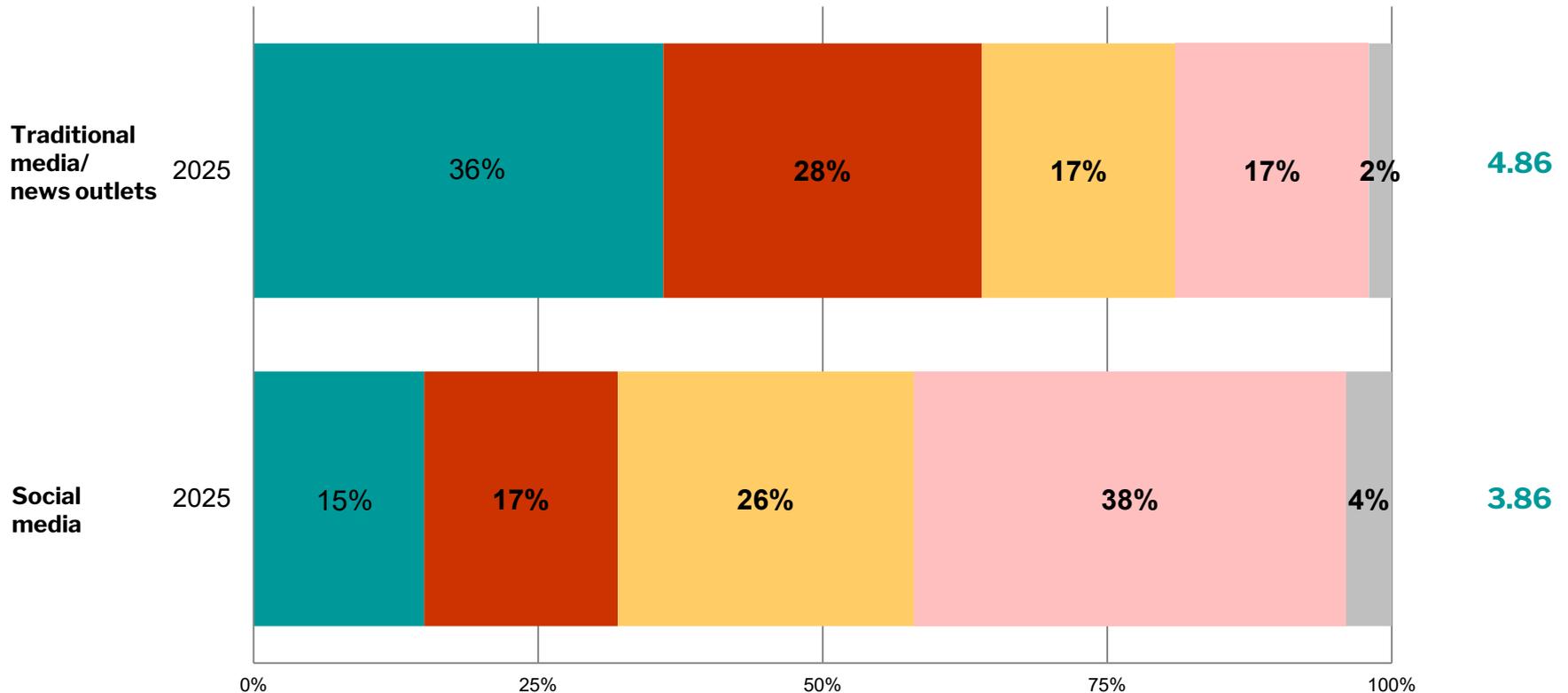
Base= Total: 2025=710, 2023=701, 2021=675

Sources of Information about Freshwater Issues (2 of 2)

Which sources do you trust to provide honest, accurate information about freshwater issues in Hawaii?

■ Strongly Trust (6-7 rating) ■ Moderately Trust (5 rating) ■ Low Trust (4 rating) ■ Distrust (1-3 rating) ■ Don't know

Mean



Base= Total: 2025=710

Conclusions

- Message recall of information regarding Red Hill has dropped significantly since the last wave of this study.
- Satisfaction levels remained relatively unchanged in ratings of the BWS's ability to provide 1) dependable water and 2) safe water; with some slippage (not statistically significant) also noted in satisfaction ratings for the quality of their water.
- Although residents believe that everyone holds great responsibility in water conservation, they place slightly greater responsibility on the BWS; as compared to the Government, O'ahu's residents, and O'ahu's businesses.
- Residents still indicated that they equally trust the BWS and scientists the most to provide honest, accurate information about freshwater issues in Hawai'i (versus social media, traditional news/media outlets, the State Department of Health, the University of Hawai'i, and non-profit environmental organizations).
- The proportion strongly satisfied with the Board's ability to keep water rates affordable; fairness of water rates; accuracy of their water bill; and perceptions about the affordability of water service all held relatively steady in 2023 and 2025

Conclusions

- Resident perceptions remained steady in terms of the BWS's efforts to protect, manage, and sustain O'ahu's water resources; as well as the job the BWS is doing repairing, maintaining, and replacing O'ahu's water delivery system.
- Mention of water conservation messages, activities and programs were cited quite frequently. However, there was a significant decrease in those who said that they have made changes in their daily routines (in the past year or two) in order to conserve water; with half of those surveyed now reporting concerted efforts on their part --- namely taking shorter showers/fewer showers or washing dishes more efficiently.
- Survey data now suggests that email communication is preferred for information about BWS programs and services, significantly outpacing mentions of mail, TV, and social media. Email is now the preferred mode of communication with BWS among residents aged between 18 and 54, while 55+ year olds prefer TV.

**BOARD OF WATER SUPPLY
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October 27, 2025

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

Chair and Members:

Subject: Status Update of Groundwater Levels at All Index Stations

Nine aquifer index stations were in low groundwater condition for the production month of September 2025. Beretania, Kalihi, Moanalua, Pearl City, Waipahu, Kaluanui, and Waialua are in Caution Status. Punalu'u is in Alert Status. Kaimukī is in Critical Status. The monthly production average for September 2025 was 153.02 million gallons per day.

The Board of Water Supply rainfall index for the month of September 2025 was 36 percent of normal, with a 5-month moving average of 70 percent. As of October 7, 2025, the Hawai'i Drought Monitor shows abnormally dry conditions across most of O'ahu, grading to moderate drought conditions along all but portions of the northern and windward coasts, then to severe drought conditions along a small portion of the southeastern coast. The National Weather Service is forecasting above-normal precipitation beginning in November 2025, through February 2026.

Most monitoring wells exhibited decreasing head levels for the month of September 2025. This likely reflects the lower rainfall over the past several months, combined with increased production. Average monthly production for September 2025 is notably higher than September 2024 and the 5-year monthly average.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Ernest Y. W. Lau', written over a horizontal line.

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

Attachments

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

POTABLE

STATION	MGD
HONOLULU (1)	
KULIOUOU	0.06
WAILUPE	0.00
AINA KOA	0.00
AINA KOA II	0.00
MANOA II	0.82
PALOLO	1.48
KAIMUKI HIGH	2.52
KAIMUKI LOW	1.54
WILDER	8.88
BERETANIA HIGH	1.76
BERETANIA LOW	3.86
KALIHI HIGH	3.82
KALIHI LOW	2.64
KAPALAMA	0.64
KALIHI SHAFT	8.05
MOANALUA	2.52
HALAWA SHAFT	0.00
KAAMILO	0.00
KALAUAO	8.57
PUNANANI	12.18
KAAHUMANU	0.25
HECO WAIU	2.73
MANANA	0.27
WAIALAE IKI	0.54
WELLS SUBTOTAL:	63.13
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.00
GRAVITY SUBTTL:	0.17
HONOLULU SUBTTL:	63.30

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.97
WAIMANALO III	0.00
KUOU I	1.18
KUOU II	0.69
KUOU III	0.69
LULUKU	0.78
HAIKU	0.40
IOLEKAA	0.00
KAHALUU	0.57
KAHANA	1.07
PUNALUU I	0.00
PUNALUU II	3.72
PUNALUU III	0.98
KALUANUI	1.28
MAAKUA	0.29
HAUULA	0.22
WELLS SUBTOTAL:	12.83
WAIM. TUNNELS I & II	0.00
WAIM. TUNNELS III&IV	0.22
WAIHEE INCL. WELLS	0.31
WAIHEE TUNNEL	4.18
LULUKU TUNNEL	0.32
HAIKU TUNNEL	0.53
KAHALUU TUNNEL	1.64
GRAVITY SUBTOTAL:	7.20
WIND. SUBTOTAL:	20.04

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.39
OPANA	0.98
WAIALEE I	0.47
WAIALEE II	0.00
HALEIWA	0.00
WAIALUA	1.92
N.SHORE SUBTOTAL:	3.77

MILILANI (4)	MGD
MILILANI I	4.13
MILILANI II	0.00
MILILANI III	0.77
MILILANI IV	0.40
MILILANI SUBTOTAL:	5.30

WAHIAWA (5)	MGD
WAHIAWA	1.38
WAHIAWA II	1.58
WAHIAWA SUBTOTAL:	2.96

PEARL CITY-HALAWA (6)	MGD
HALAWA 277	0.00
HALAWA 550	0.00
AIEA	0.00
AIEA GULCH 497	1.07
AIEA GULCH 550	0.24
KAONOHI I	2.05
WAIMALU I	0.00
NEWTOWN	2.20
WAIU	1.98
PEARL CITY I	0.96
PEARL CITY II	1.05
PEARL CITY III	0.23
PEARL CITY SHAFT	1.12
PEARL CITY-HALAWA SUBTOTAL:	10.88

STATION	MGD
WAIPAHU-EWA (7)	
WAIPIO HTS.	1.71
WAIPIO HTS. I	0.74
WAIPIO HTS. II	0.37
WAIPIO HTS. III	1.28
WAIPAHU	6.66
WAIPAHU II	2.85
WAIPAHU III	3.83
WAIPAHU IV	3.06
KUNIA I	6.59
KUNIA II	2.02
KUNIA III	1.46
HOAEAE	6.08
HONOULIULI I	0.00
HONOULIULI II	5.57
MAKAKILO	0.00
WAIPAHU-EWA SUBTOTAL:	42.21

WAIANAE (8)	MGD
MAKAHA I	0.78
MAKAHA II	0.00
MAKAHA III	0.62
MAKAHA V	0.19
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.00
WAIANAE I	0.00
WAIANAE II	0.16
WAIANAE III	1.26
WELLS SUBTOTAL:	2.99
WAIA. C&C TUNNEL	1.40
WAIA. PLANT. TUNNELS	0.17
GRAVITY SUBTOTAL:	1.57
WAIANAE SUBTOTAL:	4.56

NONPOTABLE

NONPOTABLE	MGD
KALAUAO SPRINGS	0.65
BARBERS POINT WELL	1.16
GLOVER TUNNEL NP	0.28
NONPOTABLE TOTAL:	2.10

RECYCLED WATER (AUGUST 2025)

RECYCLED WATER	MGD
HONOULIULI WRF R-1	7.96
HONOULIULI WRF RO	1.59
RECYCLED TOTAL:	9.55

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

PRODUCTION SUMMARIES

TOTAL WATER	MGD
PUMPAGE	144.07
GRAVITY	8.94
POTABLE TOTAL:	153.02
NONPOTABLE	2.10
RECYCLED WATER	9.55
TOTAL WATER:	164.67

CWRM PERMITTED USE AND BWS ASSESSED YIELDS FOR BWS POTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE/ BWS YLDS	SEP 2024	DIFF. A-B
1	HONOLULU	83.32	63.13	20.19
2	WINDWARD	25.02	20.04	4.98
3	NORTH SHORE	4.70	3.77	0.93
4	MILILANI	7.53	5.30	2.23
5	WAHIAWA	4.27	2.96	1.31
6	PEARL CITY-HALAWA	12.25	10.88	1.37
7	WAIPAHU-EWA	50.63	42.21	8.42
8	WAIANAE	4.34	4.56	-0.22
TOTAL:		192.06	152.85	39.21

CWRM PERMITTED USE FOR BWS NONPOTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE	SEP 2024	DIFF. A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.16	-0.16
TOTAL:		1.00	1.16	-0.16

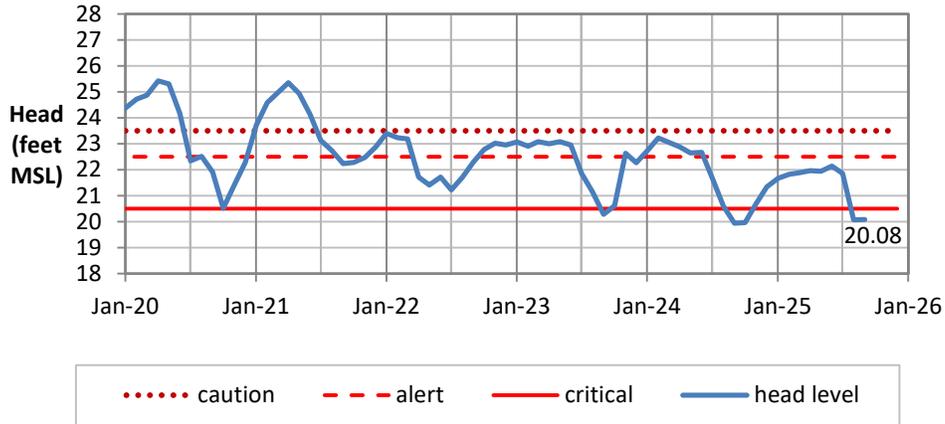
EFFECTIVE WATER DEMAND PER DISTRICT

IMPORT/EXPORT BETWEEN WATER USE DISTRICTS			
FROM	TO		MGD
2	1	WINDWARD EXPORT	0.15
7	8	BARBERS PT LB	6.20

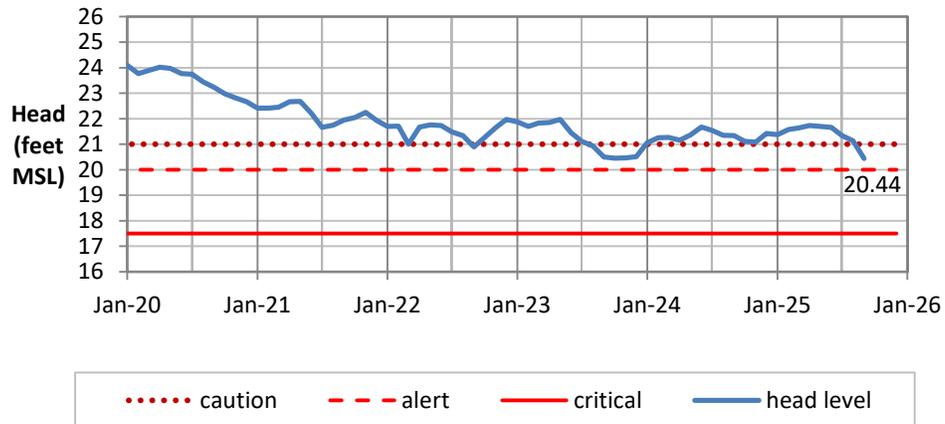
WATER USE DISTRICTS		SUBTOTAL	IMPORT	EXPORT	EFFECTIVE WATER DEMAND
1	HONOLULU	63.30	0.15	-	63.45
2	WINDWARD	20.04	-	0.15	19.89
3	NORTH SHORE	3.77	-	-	3.77
4	MILILANI	5.30	-	-	5.30
5	WAHIAWA	2.96	-	-	2.96
6	PEARL CITY-HALAWA	10.88	-	-	10.88
7	WAIPAHU-EWA	42.21	-	6.20	36.01
8	WAIANAE	4.56	6.20	-	10.77
TOTAL:		153.02	6.35	6.35	153.02

Head Report

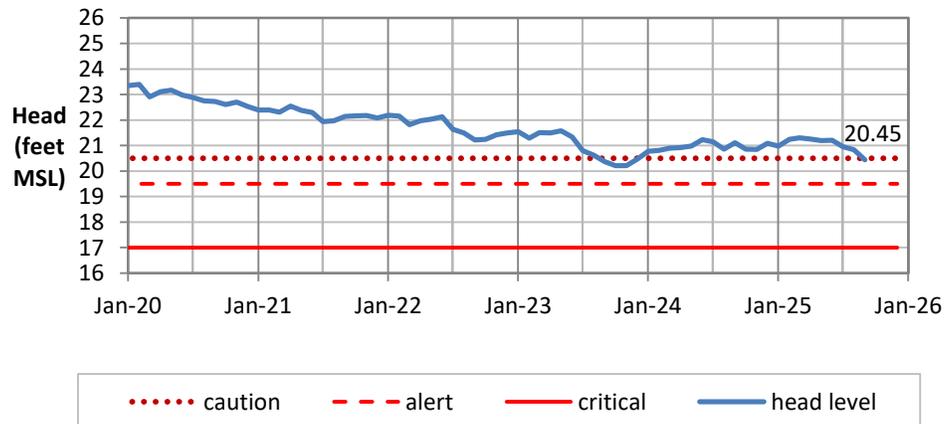
Kaimukī 09/02/2025



Beretania 09/01/2025

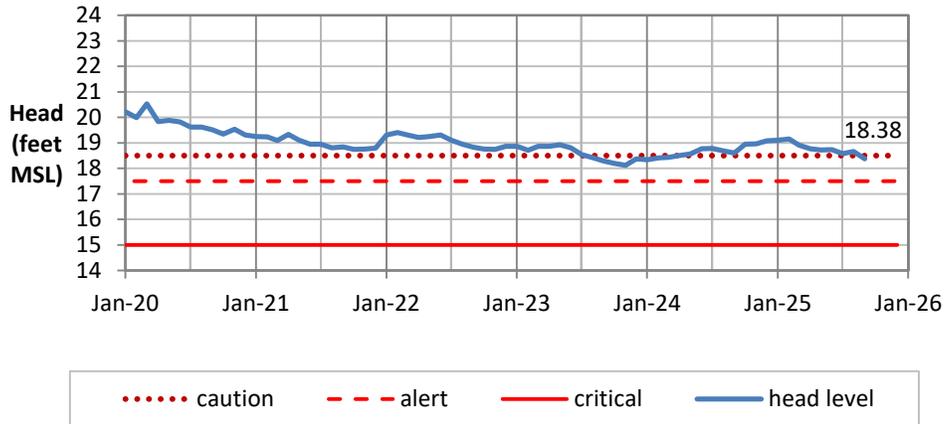


Kalihi 09/01/2025

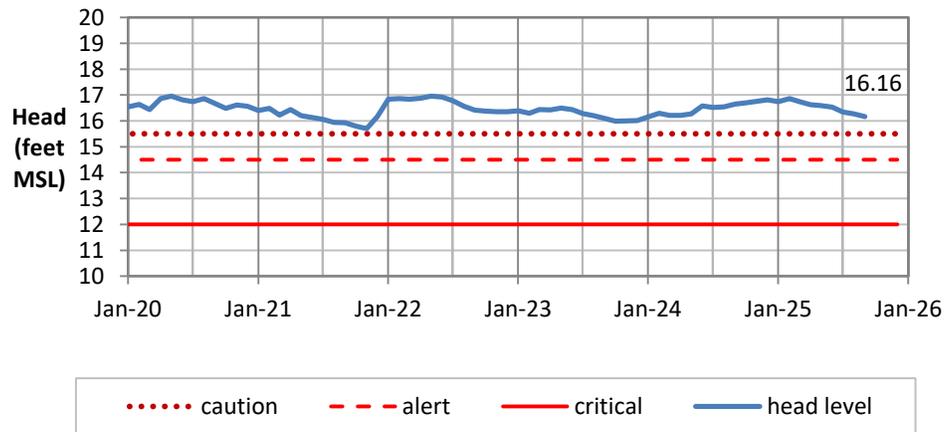


Head Report

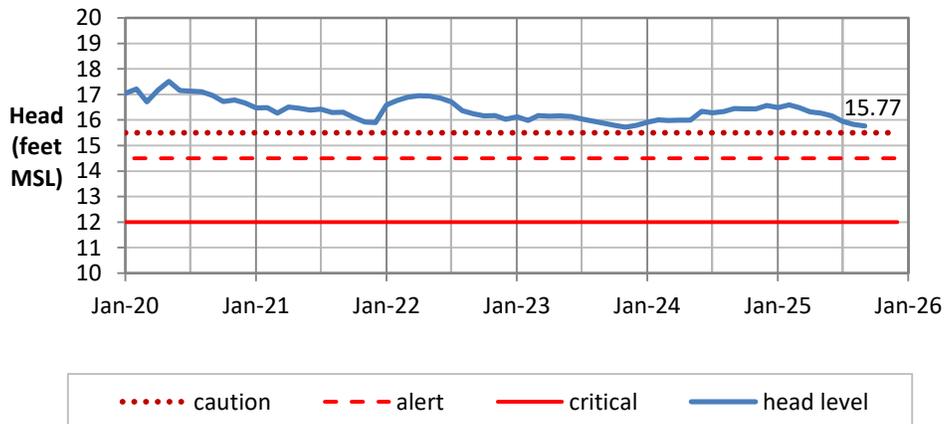
Moanalua 09/01/2025



Hālawā 09/01/2025

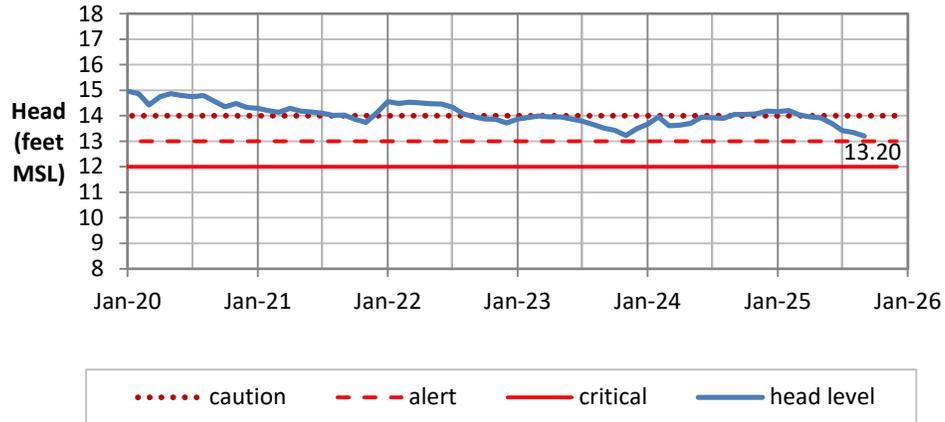


Kalauao 09/04/2025

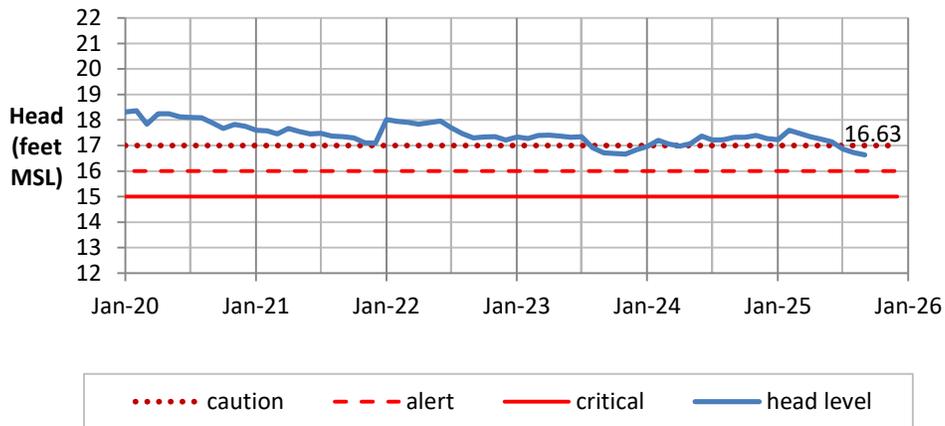


Head Report

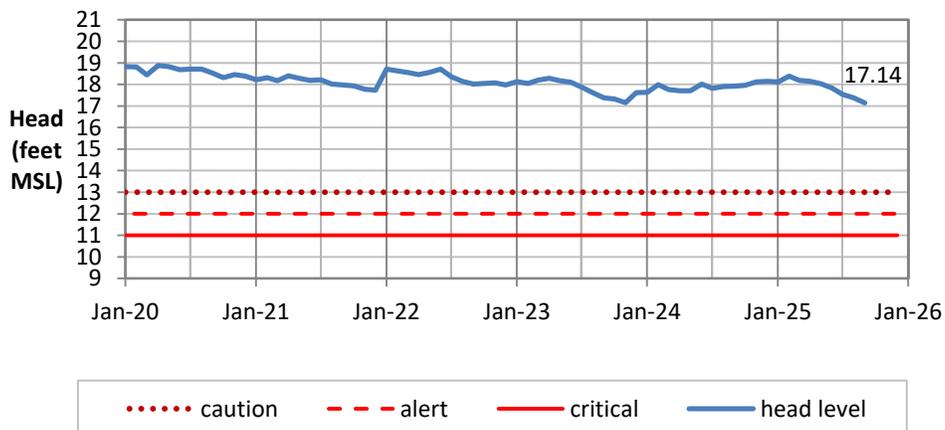
Pearl City 09/08/2025



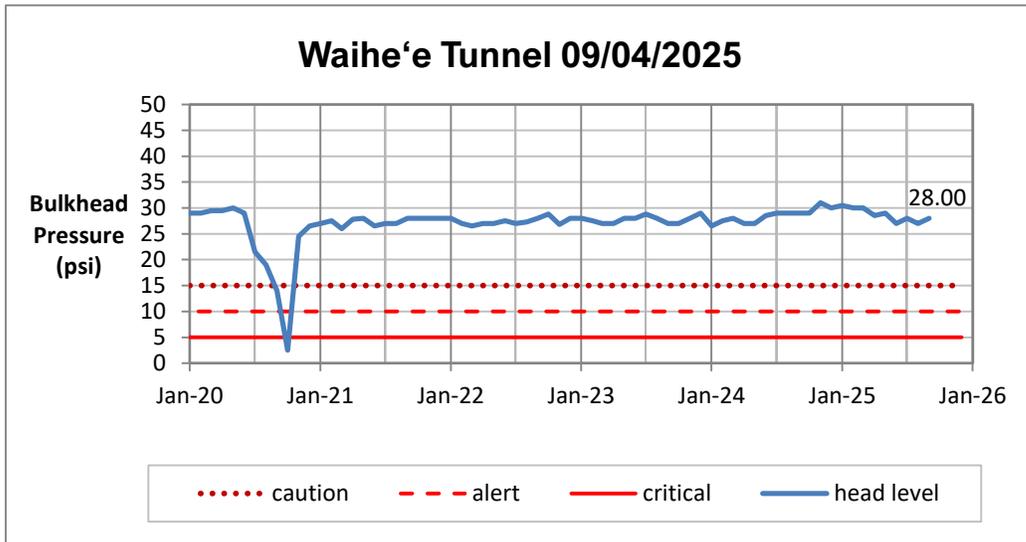
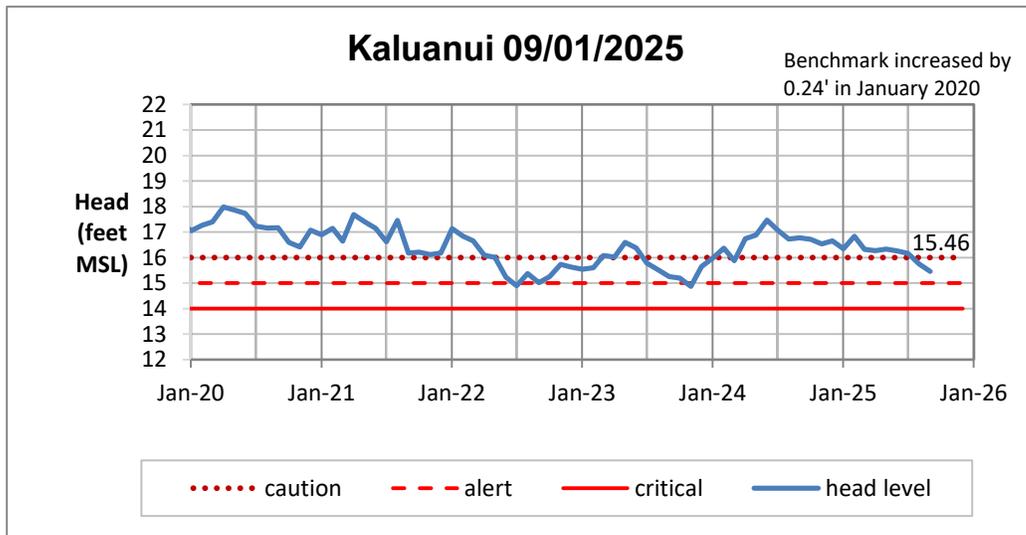
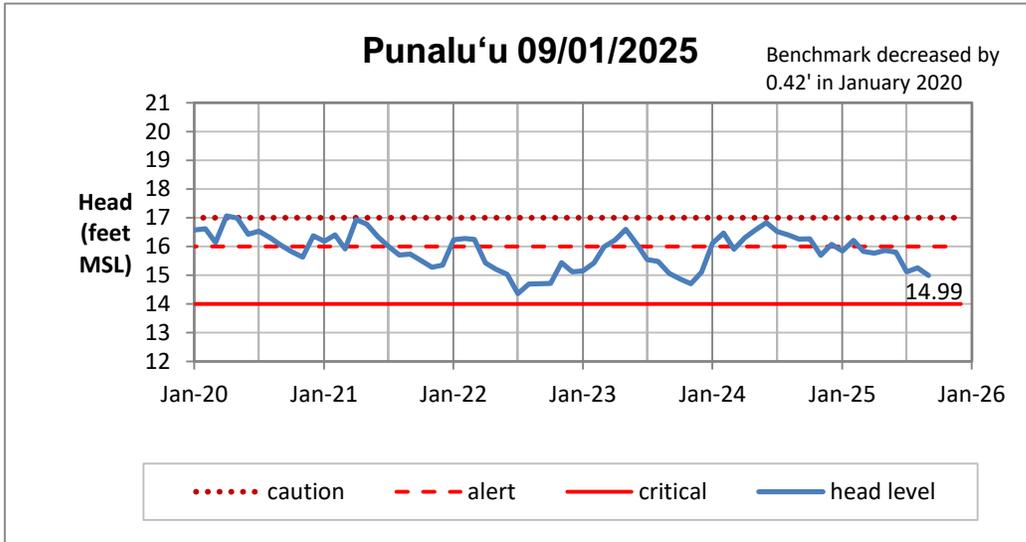
Waipahu 09/01/2025



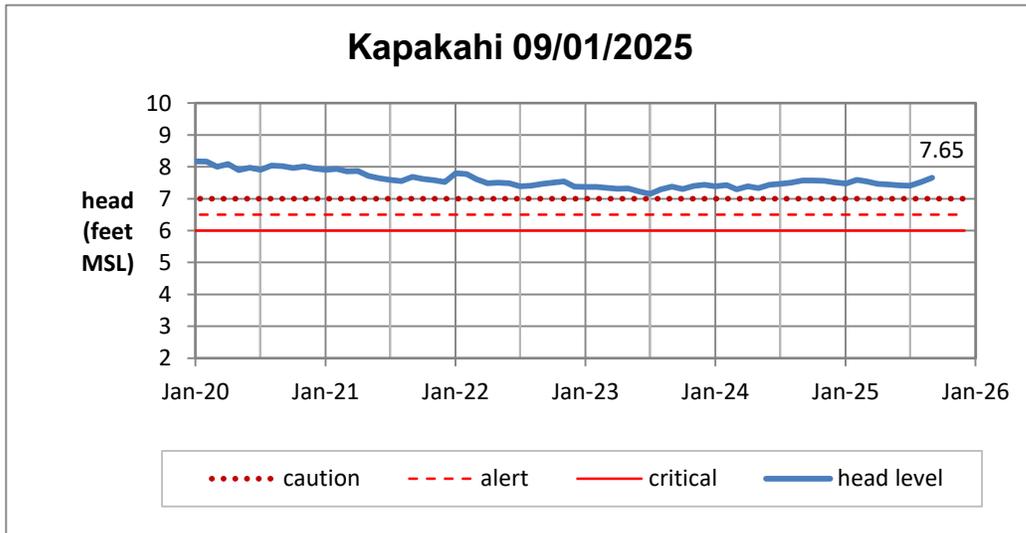
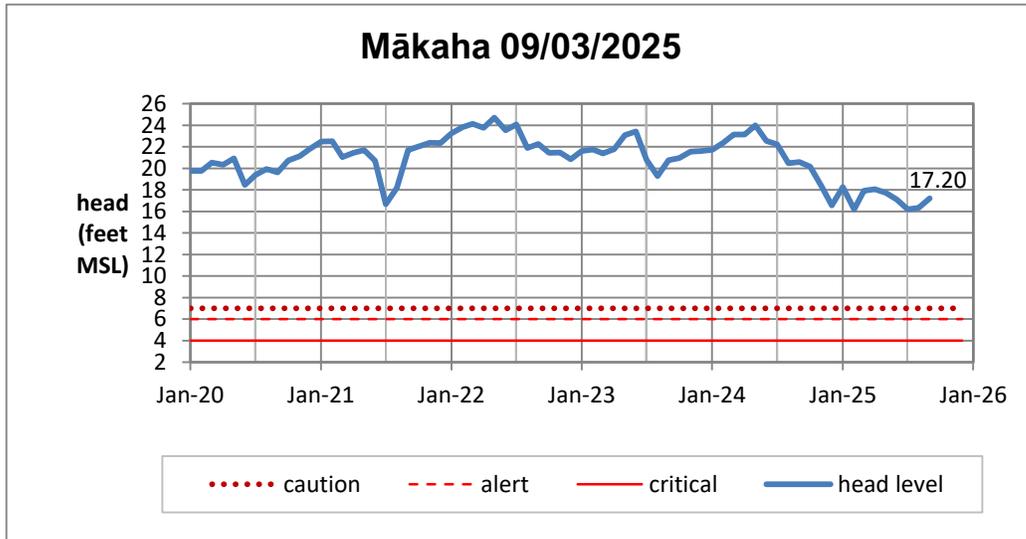
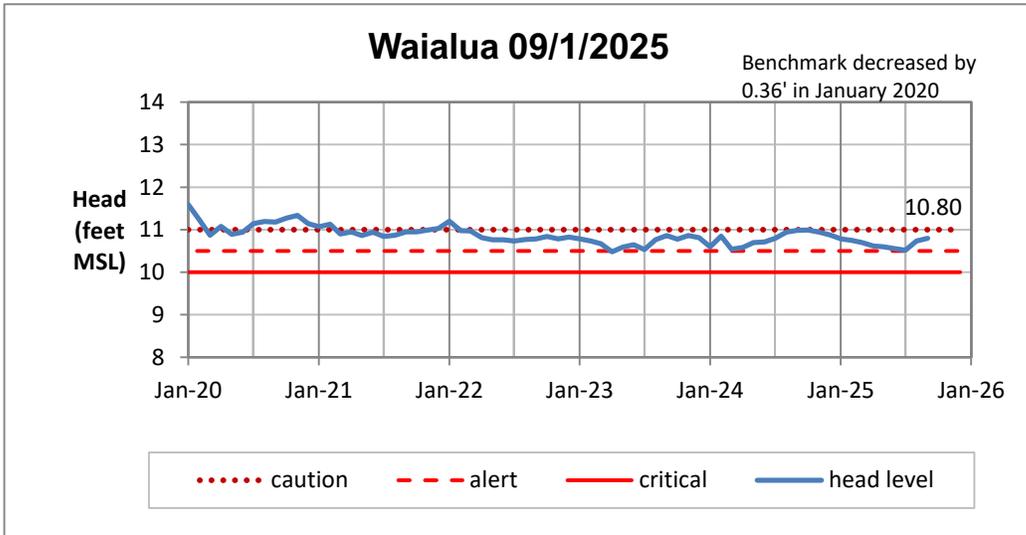
Hō'ae'ae-Kunia 09/01/2025



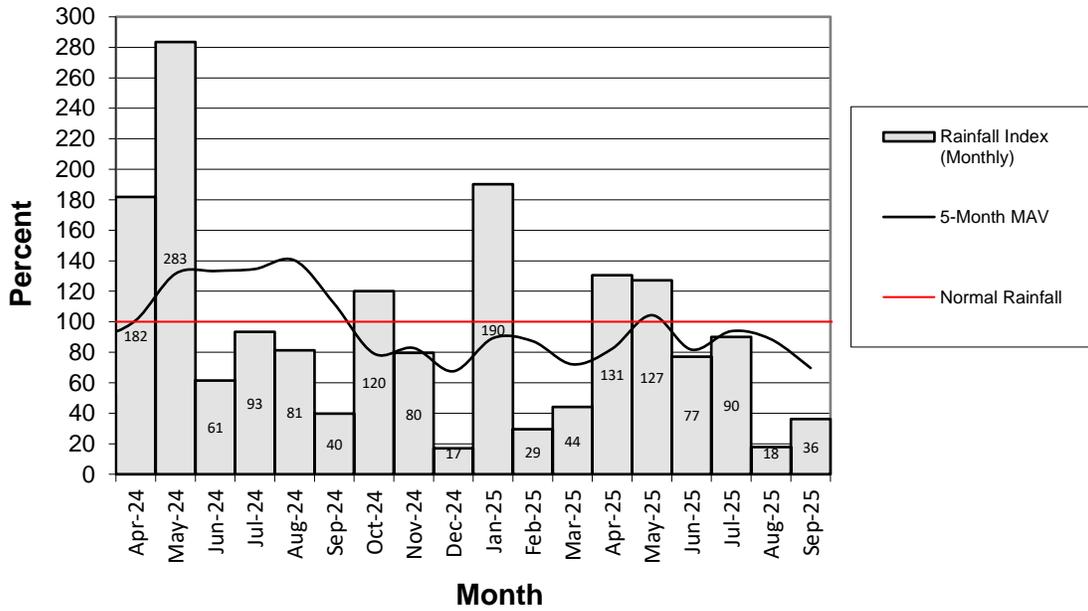
Head Report



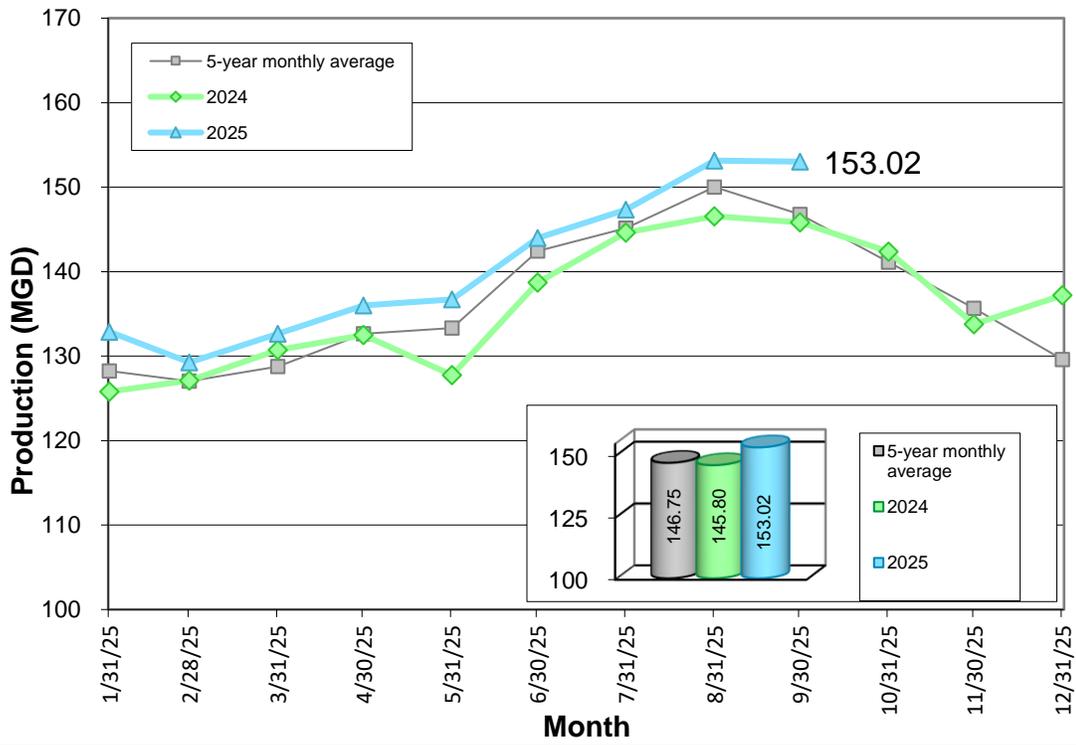
Head Report



HONOLULU WATERSHED AREA Rainfall Intake

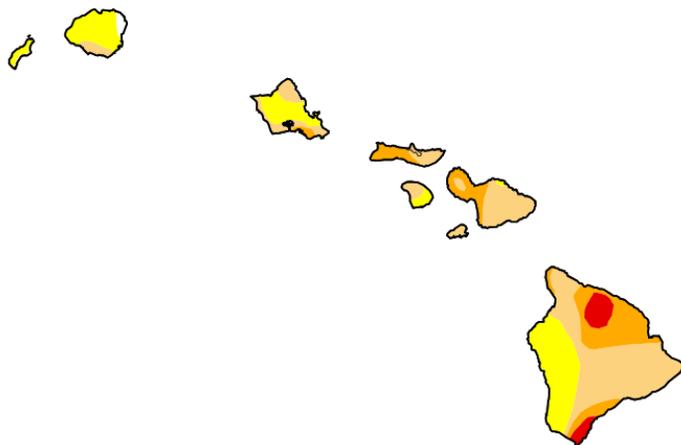


Monthly Production



Hawaii

[Home](#) / [Hawaii](#)



Map released: Thurs. October 9, 2025

Data valid: October 7, 2025 at 8 a.m. EDT

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

Authors

United States and Puerto Rico Author(s):

[Curtis Riganti](#), National Drought Mitigation Center

Pacific Islands and Virgin Islands Author(s):

[Tsegaye Tadesse](#), National Drought Mitigation Center

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

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



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October 27, 2025

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

Chair and Members:

Subject: Water Main Repair Report for September 2025

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

Respectfully submitted,



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

Attachment

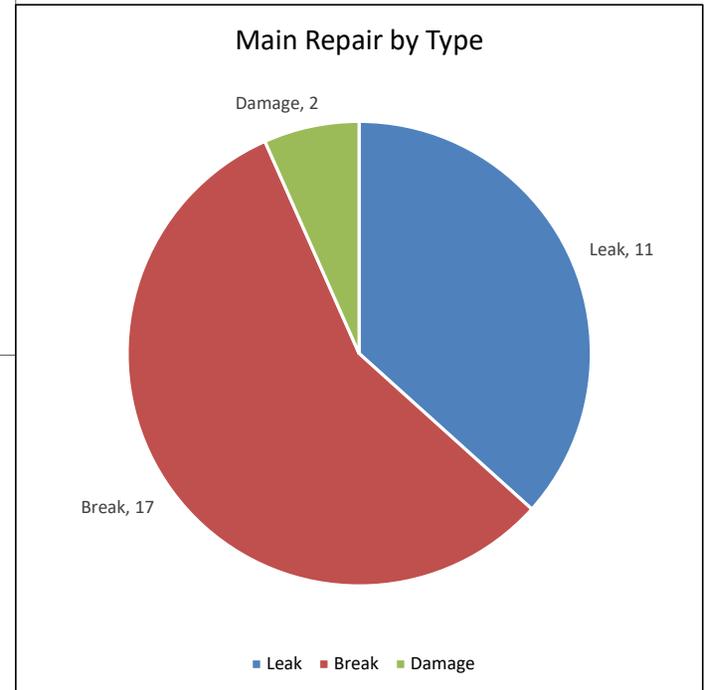
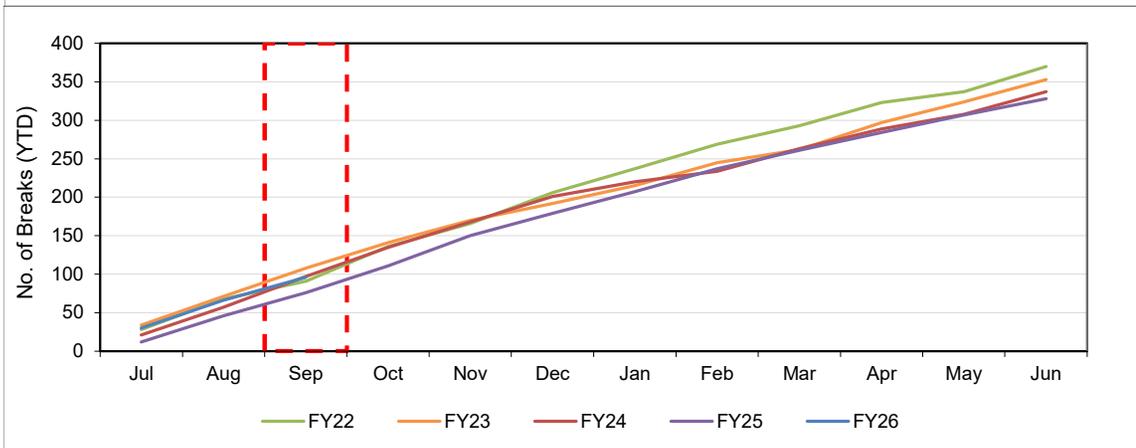
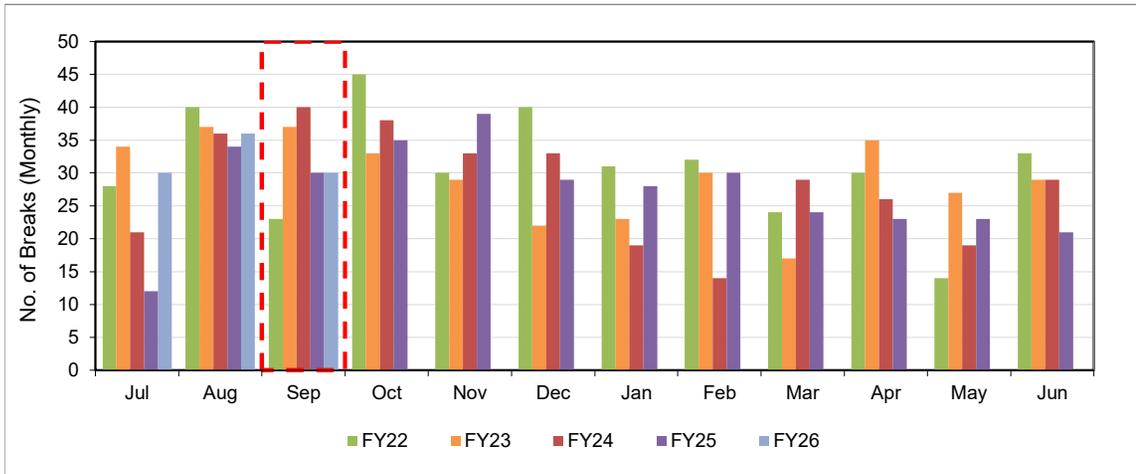
WATER MAIN REPAIR REPORT
for September 2025

Monthly Main Breaks

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2026	30	36	30	0	0	0	0	0	0	0	0	0	96
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	15	11	0	0	0	0	0	0	0	0	0	38
Break	17	20	17	0	0	0	0	0	0	0	0	0	54
Damage	1	1	2	0	0	0	0	0	0	0	0	0	4
Total	30	36	30	0	96								



Date	Address	Size (In)	Pipe Type	Date	Address	Size (In)	Pipe Type
9/1/2025	633 Ahua St, Honolulu	12	CI	9/26/2025	99-1440 Aiea Heights Dr, Aiea	4	AC
9/2/2025	2028 Mohala Wy, Honolulu	4	CI	9/28/2025	1713 Akaakoa St, Kailua	4	CI
9/3/2025	92-6956 Puliko St, Kapolei	8	DI	9/29/2025	94-364 Honowai St, Waipahu	12	CI
9/3/2025	2318 Beckwith St, Honolulu	4	CI	9/30/2025	263 Hakalau Pl, Honolulu	4	CI
9/4/2025	1584 Epukane St, Honolulu	8	PVC				
9/5/2025	92-6956 Puliko St, Kapolei	8	DI				
9/9/2025	92-671 Nohona St, Kapolei	8	CI				
9/11/2025	2131 S. Beretania St, Honolulu	8	CI				
9/12/2025	2412 Kini Pl, Honolulu	6	CI				
9/15/2025	98-1864 Hapaki St, Aiea	8	CI				
9/15/2025	91-633 Pupu St, Ewa Beach	8	CI				
9/15/2025	647 Halela St, Kailua	8	CI				
9/15/2025	2070 N. King St, Honolulu	12	CI				
9/16/2025	3907 Kaimuki Ave, Honolulu	4	GALV				
9/16/2025	2038 Akaikai Lp, Pearl City	8	CI				
9/16/2025	1441 Maloo Pl, Honolulu	4	DI				
9/17/2025	1161 Kaukonahua Rd, Waialua	12	PVC				
9/17/2025	2022 Aoao Pl, Honolulu	8	CI				
9/17/2025	801 Kii St, Honolulu	8	CI				
9/19/2025	1835 10th Ave, Honolulu	4	CI				
9/19/2025	41-640 Mahailua St, Waimanalo	4	CI				
9/20/2025	98-1691 Nahele St, Aiea	12	CI				
9/21/2025	6147 Kawekiu Pl, Honolulu	6	CI				
9/23/2025	51-122 Kaaawa Park Ln, Kaaawa	8	CI				
9/23/2025	6133 Kawekiu Pl, Honolulu	6	CI				
9/24/2025	1025 Hoa St, Honolulu	8	DI				

LEAK DETECTION for September 2025

POIs Investigated

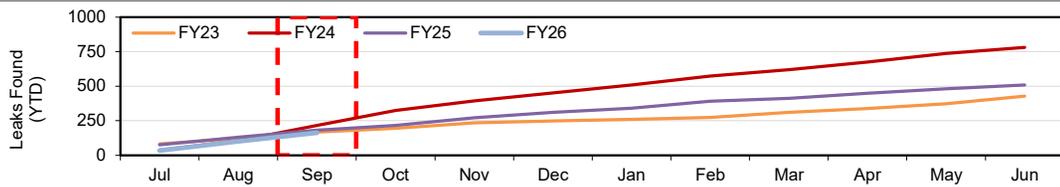
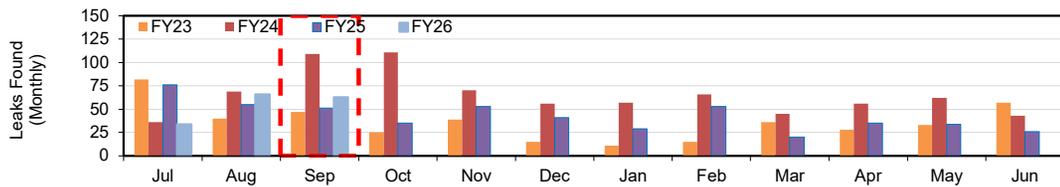
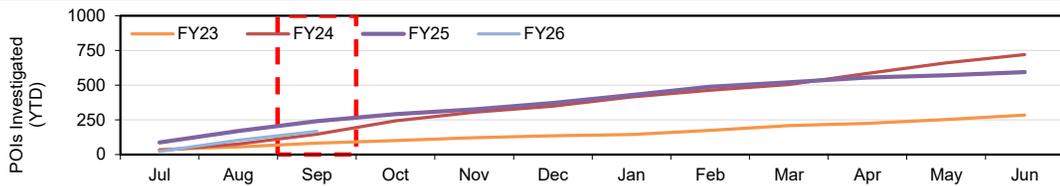
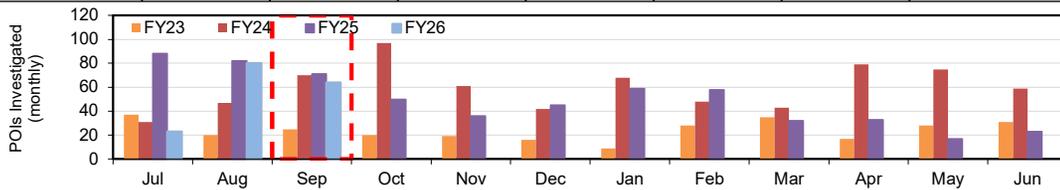
FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2026	23	80	64	0	0	0	0	0	0	0	0	0	167
2025	88	82	71	50	36	45	59	58	32	33	17	23	594
2024	31	47	70	97	61	42	68	48	43	79	75	59	720
2023	37	20	25	20	19	16	9	28	35	17	28	31	285

Leaks Found

FY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2026	34	66	63	0	0	0	0	0	0	0	0	0	163
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	3	6	0	0	0	0	0	0	0	0	0	11
Coupling	19	49	38	0	0	0	0	0	0	0	0	0	106
Customer	5	11	14	0	0	0	0	0	0	0	0	0	30
Service	8	3	5	0	0	0	0	0	0	0	0	0	16
Total	34	66	63	0	163								



Satellite Leak by Type

