

**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
KAPUA SPROAT, Vice Chair
BRYAN P. ANDAYA
JONATHAN KANESHIRO
EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO, P.E., Ex-Officio

November 21, 2023

NOTICE

The Board of Water Supply, City and County of Honolulu, Public Hearing and Regular Meeting will be held on Monday, November 27, 2023, 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 S. Beretania St., Honolulu, HI 96843.

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, November 27, 2023, at noon. Submit written testimony by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/testimony
 - Mail to Board of Water Supply, 630 S. Beretania St., Honolulu, HI 96843
 - Fax to (808) 748-5079
- Oral testimony will be accepted remotely and in person during the meeting. Pre-registration is encouraged to facilitate as much remote and in-person testimony as reasonably possible during the time allotted. Testifiers should also consider submitting a written version of their oral testimony.
 - To testify remotely by phone or video using the Zoom videoconferencing platform, please submit your request by:
 - Email to board@hbws.org
 - Online at boardofwatersupply.com/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, November 24, 2023, at noon.
 - To testify in person at the Board of Water Supply, Public Service Building, 630 S. Beretania St., Honolulu, HI 96843, please pre-register by submitting your request by Monday, November 27, 2023:
 - 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 November 27, 2023, Public Hearing and Regular Meeting of the Board of Water Supply is as follows:

PUBLIC HEARING

1. Revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service for Fiscal Years 2024 – 2029, Effective From and After February 1, 2024, and to Remain in Effect until Superseded

ITEMS REQUIRING BOARD ACTION

1. Approval of the Minutes of the Regular Meeting Held on October 23, 2023
2. Adoption of Resolution No. 976, 2023, Adopting the Revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service for Fiscal Years 2024 – 2029, Effective From and After February 1, 2024, and to Remain in Effect until Superseded

ITEMS FOR INFORMATION

1. Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination
2. Financial Update for the Quarter Ended September 30, 2023
3. Capital Improvement Program Quarterly Update
4. Schedule of Monthly Board Meetings for Calendar Year 2024
5. Status Update of Groundwater Levels at All Index Stations
6. Water Main Repair Report for October 2023

EXECUTIVE SESSION

1. Approval of the Minutes of the Executive Session Meeting Held on September 25, 2023
2. To Consult with the Board's Attorney on Questions and Issues Pertaining to the Adoption of Resolution No. 976, 2023, Adopting the Revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service for Fiscal Years 2024 – 2029, Effective From and After February 1, 2024, and to Remain in Effect until Superseded [HRS §92-5(a)(4)] (If Required)
3. To Consult with the Board's Attorney on Questions and Issues and to Make a Determination Pertaining to Notices of Proposed Class Action Settlements in Regards to Aqueous Film-Forming Foams Products Liability Litigation MDL No. 2:18-mn-02873 (refers to: City of Camden et al., v. 3M Company No. 2:23-cv-03147-RMG) [HRS §92-5(a)(4)]

MINUTES

To watch the recording of this meeting, please click on the following link:
<https://vimeo.com/bwshonolulu/nov-27-2023>. Closed captioning is available.

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

November 27, 2023

At 2:00 PM on November 27, 2023, in the Public Service Building Board Room at 630 South Beretania Street, Honolulu, Hawai'i, Board Chair Nā'ālehu Anthony called to order the Public Hearing and Regular Meeting.

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

Also Present: Ernest Lau, Manager and Chief Engineer
Erwin Kawata, Deputy Manager
Jadine Urasaki, Acting Program Administrator,
Capital Projects Division
Jennifer Elflein, Program Administrator,
Customer Care Division
Kathleen Elliott-Pahinui, Information Officer,
Communications Office
Raelynn Nakabayashi, Executive Assistant I,
Executive Support Office
Jason Nikaido, Program Administrator,
Field Operations Division
Joseph Cooper, Waterworks Controller,
Finance Division
Michele Thomas, Executive Assistant I,
Human Resources Office via Vimeo
Henderson Nuuhiwa, Program Administrator,
Information Technology Division
Michael Matsuo, Land Administrator, Land Division
Barry Usagawa, Program Administrator,
Water Resources Division
Kevin Ihu, Program Administrator,
Water System Operations Division
Joyce Lin, Civil Engineer IV,
Office of the Managers and
Chief Engineer
Kathy Mitchell, Administrative Services Officer
via Vimeo
Kimberly Kuwaye, Manager Secretary

Joy Cruz-Achiu, Board Secretary
Steven Norstrom, Information Specialist II,
Communications Office
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
Dave Ebersold, Senior Vice President, CDM Smith

Others Present:

Jeff Lau, Deputy Corporation Counsel
Jessica Wong, Deputy Corporation Counsel
via Zoom

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 'olelo no'eau e kālele ana i ke ko'iko'i o ka wai. Ola Ika Wai.

Chair Anthony welcomed everyone to the November 27, 2023, Public Hearing and Regular Meeting of the Board of Water Supply (BWS). He stated that the Board of Water Supply is dedicated to providing safe, dependable, and affordable supply of water now and into the future.

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

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

Chair Anthony requested a roll call and asked those participating remotely to give the appropriate disclosures after responding.

Vice Chair Kapua Sproat joined via Zoom, responded aye, and disclosed that she was alone at her location; Board Member Bryan Andaya joined via Zoom, responded aye, and disclosed that he was alone at his location; Board Member Gene Albano responded aye, and disclosed that he was alone at his location; Board Member Jonathan Kaneshiro responded aye and was present

in the Board room; and Board Member Edwin Sniffen responded aye and was present in the Board room; Chair Anthony was present in the Boardroom.

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

Chair Anthony recognized the attendance of Mayor Rick Blangiardi, accompanied by staff, and his father, Dr. Jim Anthony, accompanied by his wife, Auntie Grace.

At the start of the Public Hearing, Chair Anthony allowed Mayor Blangiardi to share a few words.

Mayor Rick Blangiardi stated that he was pleased to attend the BWS meeting and given the opportunity to share his concerns. He said that as part of the City, we share a responsibility. Mayor Blangiardi stated that he recognized that inflation has affected everyone; however, as a new mayor entering office during a pandemic, he was heightened in his awareness of the community's concerns. He commented that it would take some years to recover from the unfortunate events of COVID-19, the contamination of Red Hill, the Maui wildfire, and increased costs. Therefore, the Mayor's Office has taken measures and requested an additional \$9 million from the federal government to help the community. He shared that the Mayor's Office has been able to defer rental increases and utility fees for 20 owned properties. Mayor Blangiardi stated that he supports the BWS but requested that the BWS re-examine any planned expenses to lessen the burden of a rate increase.

PUBLIC HEARING

Chair Nā'ālehu Anthony opened the Public Hearing at 2:11 PM and stated that the Notice of the Public Hearing was published on Friday, October 27, 2023, and Sunday, October 29, 2023, in the Star Advertiser. He noted that the purpose of the public hearing is to allow the public to testify on the proposed revisions for the schedule of rates and charges in the furnishing of water and water service for fiscal years 2024 through 2029 and to remain in effect until superseded.

Chair Anthony introduced Ernest Lau, Manager and Chief Engineer; Joseph Cooper, Waterworks Controller, Finance Division; Dave Ebersold, Senior Vice President, CDM Smith; and Kathleen Elliott-Pahinui, Information Officer, Communications Office.

Manager Lau stated that today's presentation on the proposed water rate for fiscal years 2024 to 2029 provides an update on the proposal, which stands for "Water is Life" and summarizes the public input received through the BWS's outreach efforts. The BWS serves an average of 145 million gallons of water per day to almost a million people on Oahu. The BWS water sources and infrastructure stretch from Mauka to the coastal areas, comprising nearly 200 groundwater wells, source pumps, a dozen tunnels, treatment systems in Central Oahu, and 172 water storage tanks island-wide to help provide water during peak demands and fire protection. The water from the aquifer flows through the 2,100 miles of pipelines directly to homes, a total of 170,000 ratepayer accounts.

At 2:13 PM, Board Member Bryan Andaya left the Board meeting via Zoom.

Manager Lau reminded everyone that although the BWS is part of the City, the BWS is semi-autonomous, which means that the BWS does not receive any property tax funding. The authority to adopt water rates rests with the Water Board. He also mentioned that the rate proposal only affects the water portion of the bill, not the sewer charges, which are also included in the same bill from BWS.

Manager Lau stated that operating the BWS water system each year costs \$276 million (M). For Fiscal Year 2024, 27% went toward the Capital Improvement Program (CIP), which consists of the design and construction projects to improve pipelines, pump stations, tanks, and developing new water sources; 29% to BWS Workforce; 31% to operations and maintenance; and a growing percentage goes to electricity.

Manager Lau then asked Mr. Dave Ebersold to explain the drivers that supported the proposed rate increase. Mr. Ebersold explained that in March 2020, the global COVID pandemic nearly shut down the island's tourism-driven economy, which caused changes in water use. He also mentioned that from 2019 to 2022, supply chain shortages, inflation, and rising power costs affected the BWS significantly. The BWS also invested in monitoring and exploratory wells in response to Red Hill. In light of these changes, the BWS tightened its belt and chose not to pass the increasing energy costs to its customers. The BWS deferred equipment purchases and less critical capital projects to reduce operating expenditures and keep its budget flat.

Mr. Ebersold shared that the BWS's strategy for a rate increase is to strike a balance between safe and dependable water service and affordability for customers. He explained that the proposed rate increase continues to defer less critical capital projects, focusing on water quality, source protection, and replacement and treatment of impacted sources, keeping operation and

maintenance budgets as flat as possible, and making adjustments in the days of working capital or emergency funds that are available to help with disaster recovery.

Mr. Ebersold highlighted some CIP projects the BWS would invest in with the rate increase for the next five-and-a-half years. The BWS would invest in new sources, monitoring and exploratory wells, the Kalaeloa seawater desalination facility, replacement sources necessitated by Red Hill, pump renewal and replacement and reservoirs, and new and replacement pipelines.

Mr. Ebersold talked about the proposed water rates. The proposed water rate increases would be in effect from February 1, 2024, through June 30, 2029, and will remain in effect until superseded. The rates will gradually increase over the next five-and-a-half years so that ratepayers don't experience rate shock. He explained the different customer rate classes. The customer rate classes in the single-family or multi-unit residential rate class are billed based on a water usage tier. Meanwhile, the non-residential customer rate class pays for more than the cost of service and pays the same rate per thousand gallons regardless of how much water is used. The Agricultural customer rate class is based on a tier rate structure and pays less than the cost of service to support island production of fresh produce. Non-potable and recycled rate class customers are also on a uniform rate structure (like non-residential) and pay less than the cost of service.

Mr. Ebersold shared that the BWS proposes to continue the fee waiver for affordable housing and homeless units, which waives the fees of the water system facilities and water meter charges, and the fire sprinkler retrofit program, which waives the water meter charge. The BWS is also considering waiving the water systems facilities charge and meter charges for new small farmers connecting to the BWS water system for the first time. He mentioned that customers with automatic fire sprinklers, private fire protection systems, and wet standpipes are charged for fire meter standby charges but not for water usage during a fire. There are no changes proposed for emergency interconnections, the water system facilities charge, or automatic adjustments such as power cost or environmental regulations compliance fees.

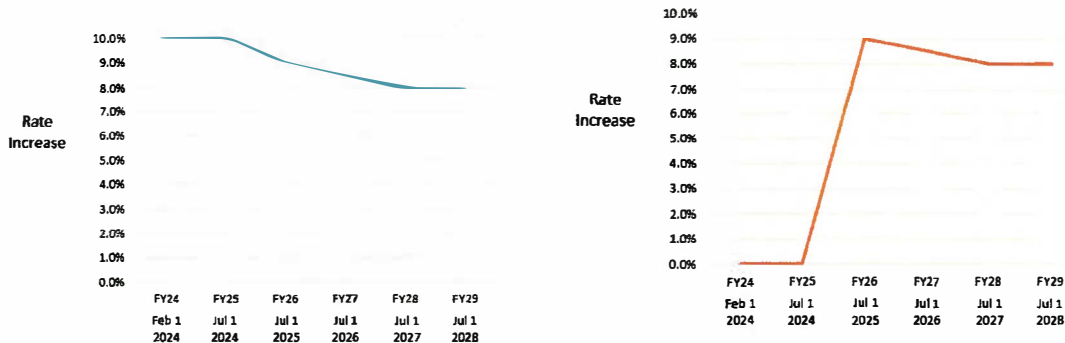
Manager Lau then asked Ms. Kathleen Elliott-Pahinui to discuss water conservation and share the feedback the BWS received from the numerous meetings held around the island.

Ms. Elliott-Pahinui shared that the BWS was granted funding through the City that allowed the BWS to participate in the Low Income Household Water Assistance Program (LIHWAP), allowing the BWS to assist customers during hardship throughout COVID and until the present.

Ms. Elliott-Pahinui stated that the BWS accepted testimony regarding the proposed revisions for the schedule of rates and charges in the furnishing of water and water service for fiscal years 2024 through 2029 and remain in effect until superseded until the day of the public hearing held on Monday, November 27, 2023. Questions and comments were also welcomed by contacting the BWS via letter, email, or phone calls, the BWS website, Twitter, and Facebook. She mentioned information was available on the BWS website, at four community meetings, and Olelo on demand. The BWS also sent a "Water Matter" newsletter to 170,000 account holders, met with 21 neighborhood boards and seven interest groups, and distributed information flyers at various events. Ms. Elliott-Pahinui stated that the rate study process began in 2022, meeting

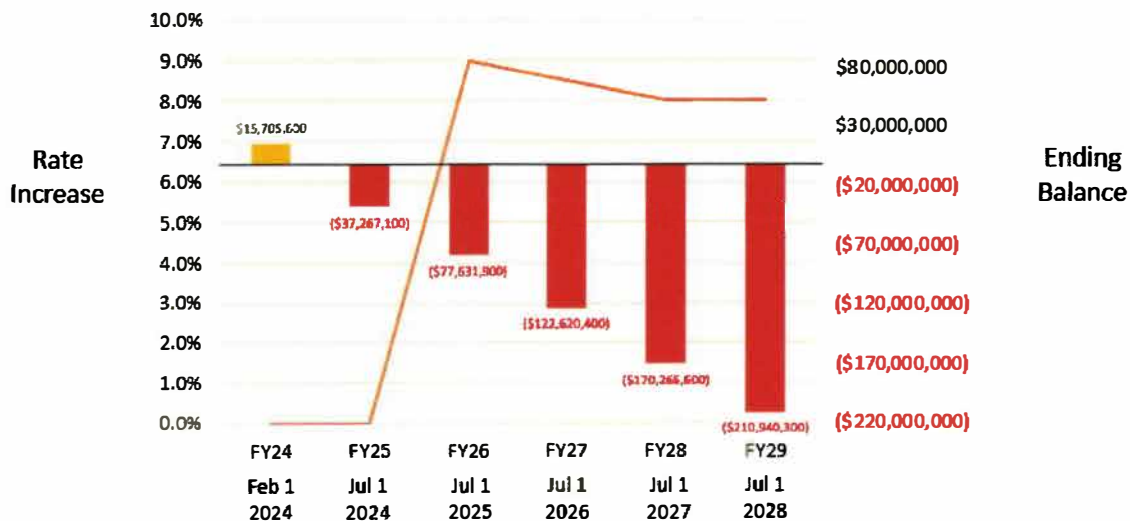
with stakeholders and the public, doing media interviews, and briefing council members before the public hearing.

Manager Lau added that the BWS is required to go before the Small Business Regulatory Review Board (SBRRB) per Administrative Rules and present the water rates proposal. The SBRRB recommended that the BWS proceed to the public hearing process, leading to today's meeting, where the Board will decide whether or not to adopt the proposed water rates. Manager Lau shared the graphs of the proposed rate increase and how it would affect the BWS's financial stability from February 1, 2024, through Fiscal Year 2029.



Manager Lau shared the graph below to show the impact of delaying the rate increase from February 1, 2024, to July 1, 2025.

CONSIDERATION OF HOLDING OFF THE 2024 INCREASES



In closing, Manager Lau stated that the rates that the BWS charges are minimal compared to buying bottled water and shared the slide below.

\$0.011 per gallon

\$1.73 per gallon

\$15.14 per gallon

BWS WATER ABOUT A PENNY GALLON

BOTTLED WATER PURCHASED IN BULK 170X MORE

SINGLE BOTTLES PURCHASED RETAIL 1,500X MORE

Chair Anthony requested Manager Lau to explain the process and how the BWS decided on the specific rate structure.

Manager Lau shared that the process required the BWS to look at what it would cost to provide water service and project the operating cost and the future of the CIP. He shared that the BWS had to prioritize its CIP and balance providing safe and dependable water with maintaining affordable rates.

Mr. Ebersold added another important factor that was considered during the process of the rate structure was the financial policy, maintaining at least 60 days of working capital with a target of 180 days, which the Board set. He explained that the purpose of the financial policy is to be able to respond to any emergency. Mr. Ebersold shared that during the COVID pandemic, the BWS's working capital was put to work and did exactly what it was designed to do. The BWS's working capital has since gone below its 180 days and requires rebuilding, which comes from additional revenue from water rates. He mentioned another deciding factor was keeping each individual rate increase below 10% or less.

Dr. Jim Anthony asked if he could see by raising hands how many people attending the board meeting are ratepayers.

The audience raised their hands.

Chair Anthony announced testimony would be taken.

There was remote testimony:

Natalie Iwasa	<i>Commented that water rates should be the same regardless of the user. She requested that billing cycle days be consistent with 28 days to prevent water readings from reaching the next tier. She also provided written testimony.</i>
Darius Kila Representative 44- Honokai Hale, Nānākuli, Mā'ili	<i>Registered to testify on the Adoption of Resolution No. 976, 2023, but testimony was taken during the Public Hearing. Opposes the rate increase, which would affect his district, native Hawaiians, and people living paycheck to paycheck, and asks for reconsideration</i>

There was in-person testimony:

Dr. Jim Anthony	<i>Commented on the unified statement on Red Hill, which the BWS Board did not sign, and the function of the Board and the BWS administration. He requested that the Board take a closer look at the process. He also provided written testimony.</i>
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At 3:07 PM, during Dr. Anthony's testimony, Board Member Bryan Andaya rejoined the Board meeting via Zoom.

There was written testimony:

Melodie Aduja Alan B. Burdic Co-Chairs, Environment Caucus	<i>Provided written testimony disagrees that a rate increase should be help remediate the the damages at Red Hill.</i>
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Chair Anthony closed the Public Hearing at 3:26 PM.



PUBLIC HEARING TO CONSIDER
THE REVISIONS TO THE
SCHEDULE OF RATES AND
CHARGES FOR THE FURNISHING
OF WATER AND WATER SERVICE
FOR
FISCAL YEARS (FY) 2024
THROUGH 2029

November 27, 2023

www.boardofwatersupply.com

AGENDA

- Need for update to existing water rates
- Updated water rate proposal
- Summary of public input received to date

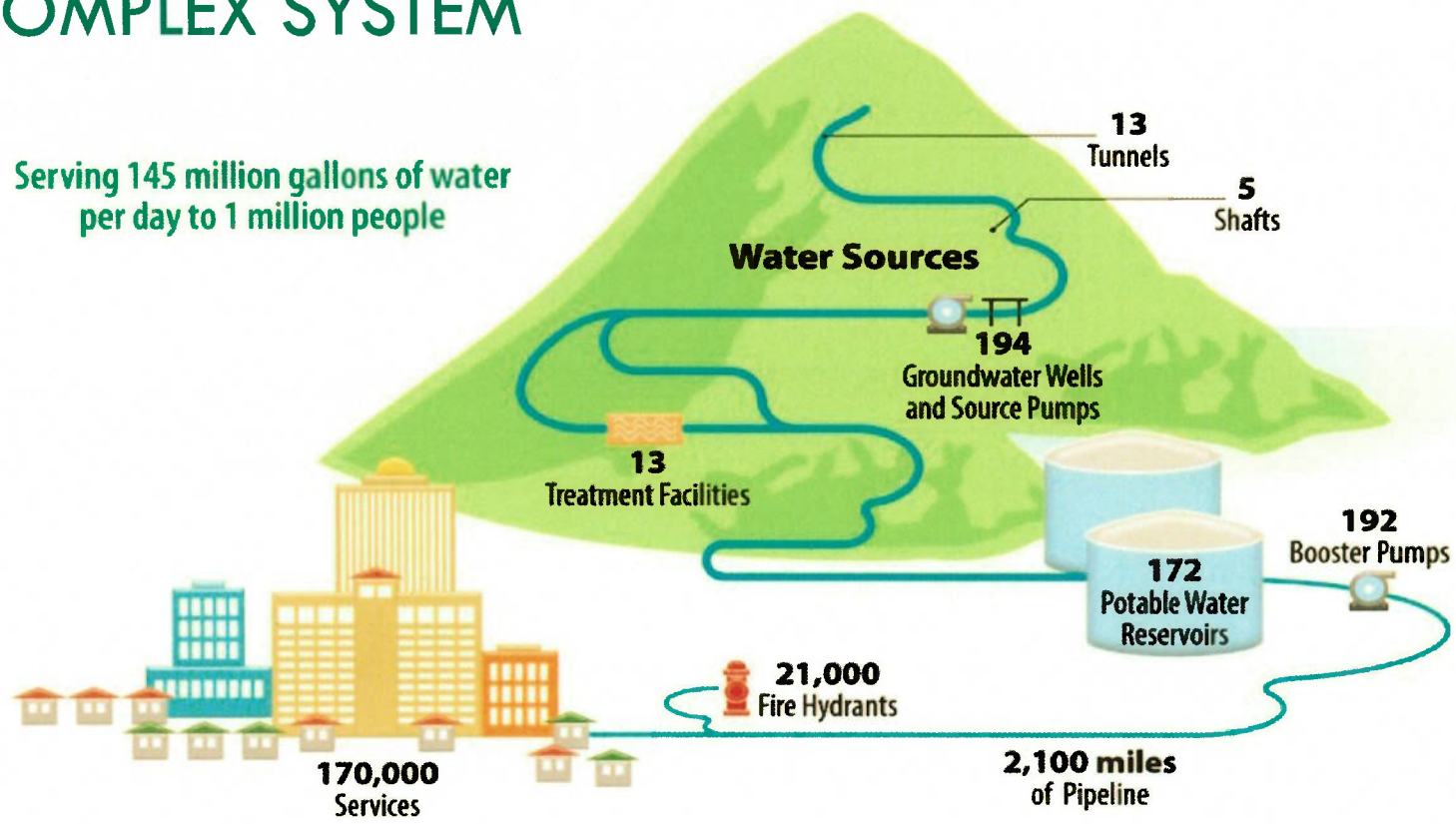


KA WAI OLA

ALL LIFE
DEPENDS
ON WATER



DELIVERING WATER FROM UNDERGROUND WATER SOURCES TO YOUR HOME REQUIRES A LARGE AND COMPLEX SYSTEM



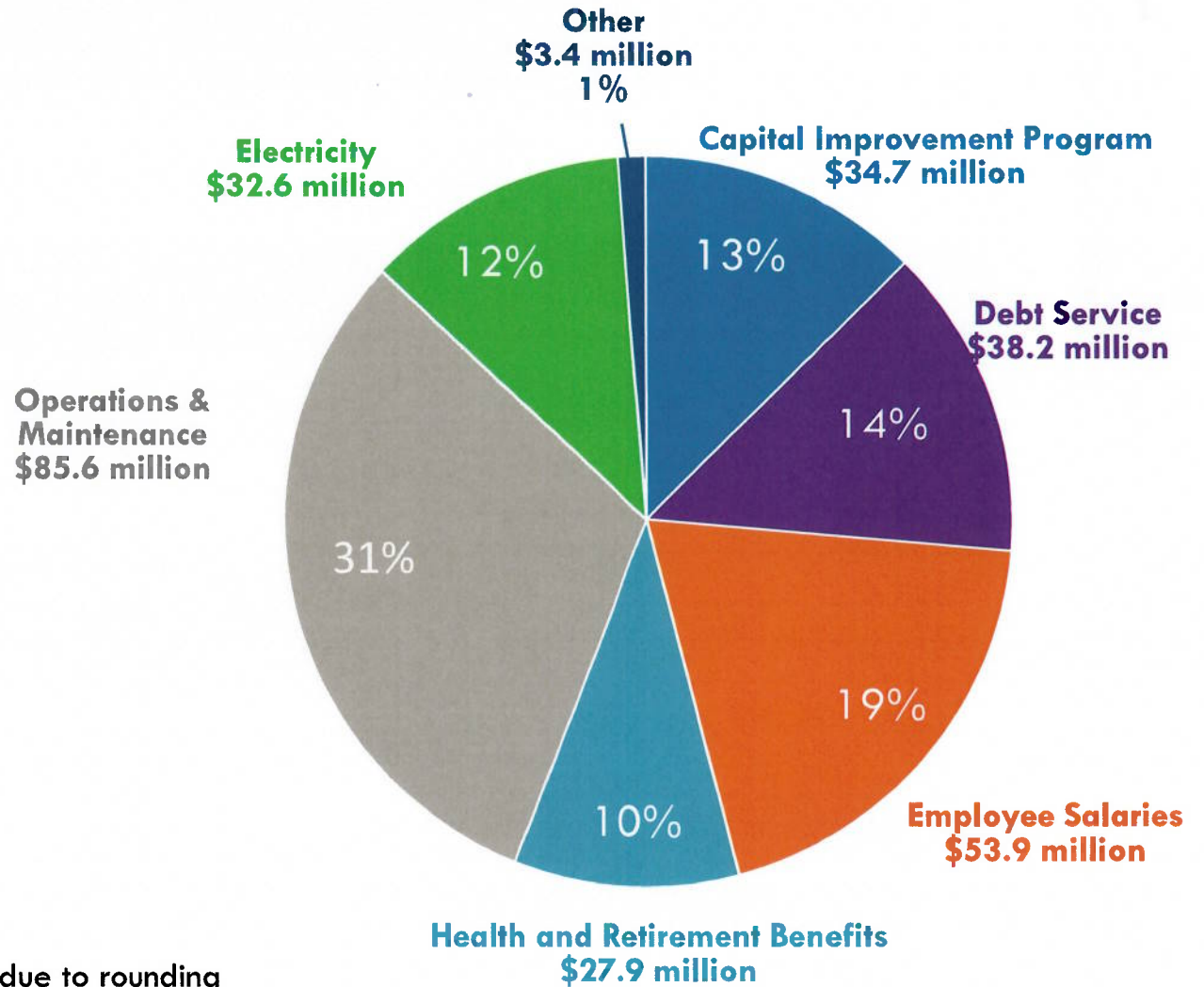
BOARD OF WATER SUPPLY RATES

- The **Board of Water Supply** is
 - **Semi-autonomous** agency of the City and County of Honolulu.
 - Solely **funded by ratepayers**
 - Receives **no funding** from property taxes.
- Rates:
 - **Only apply to water**, not sewer.
 - Are approved by our board.
- Wastewater charges are determined by the Dept of Environmental Services and approved by the City Council.



WHERE YOUR MONEY GOES

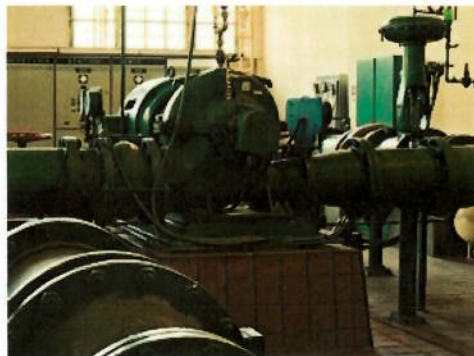
Operating Fund Expenditures
Fiscal Year 2024
\$276.4 million*



* Individual amounts may not total due to rounding

TOTAL CAPITAL IMPROVEMENT PROJECTS (2018-2023)

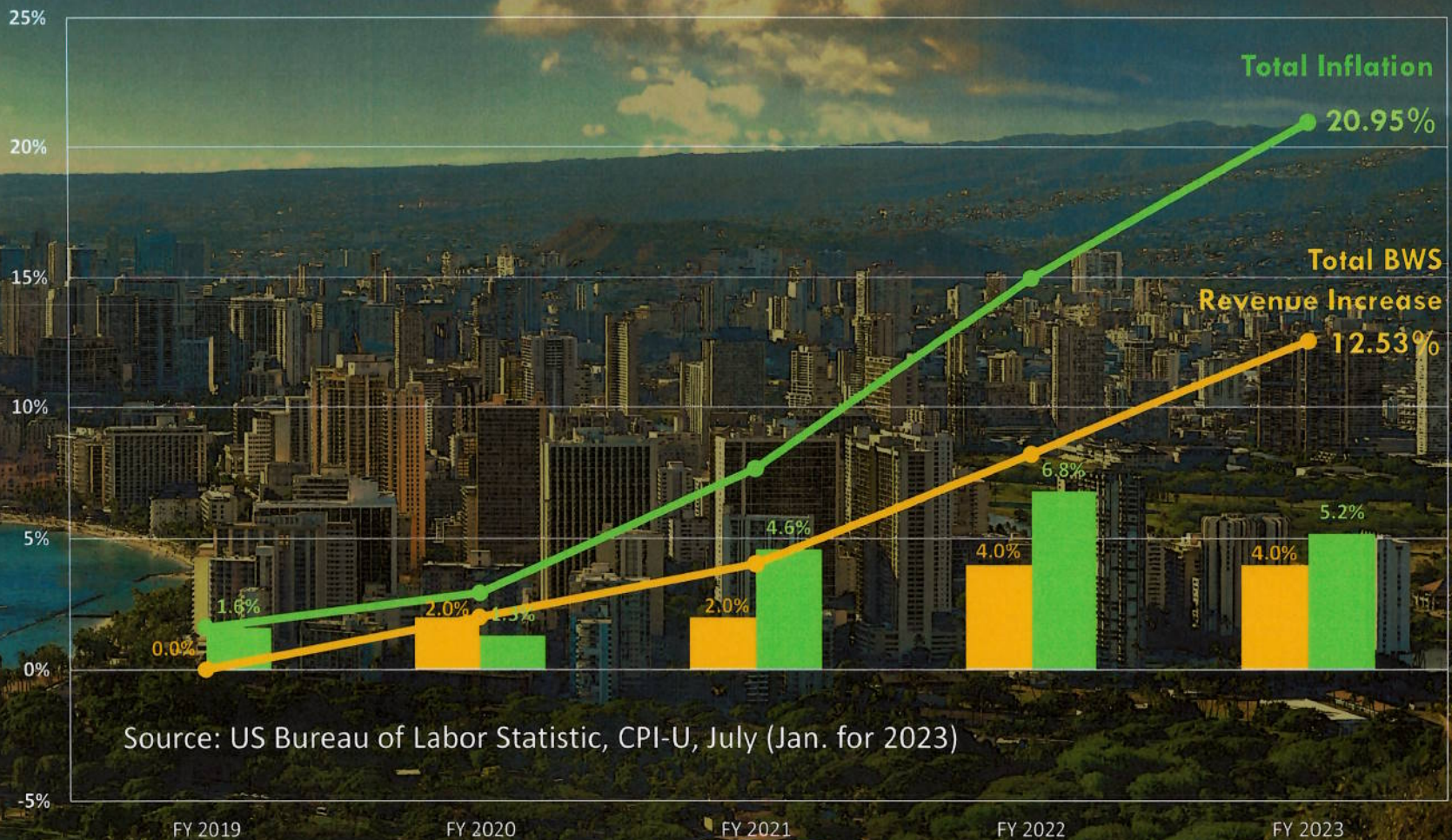
Planning/Design Phase	196 PROJECTS	\$134,472,236
<u>Construction Phase</u>	<u>298 PROJECTS</u>	<u>\$635,069,548</u>
Total	494 PROJECTS	\$769,541,784





COVID-19 CAUSED CHANGES IN CUSTOMER
WATER USE PATTERNS

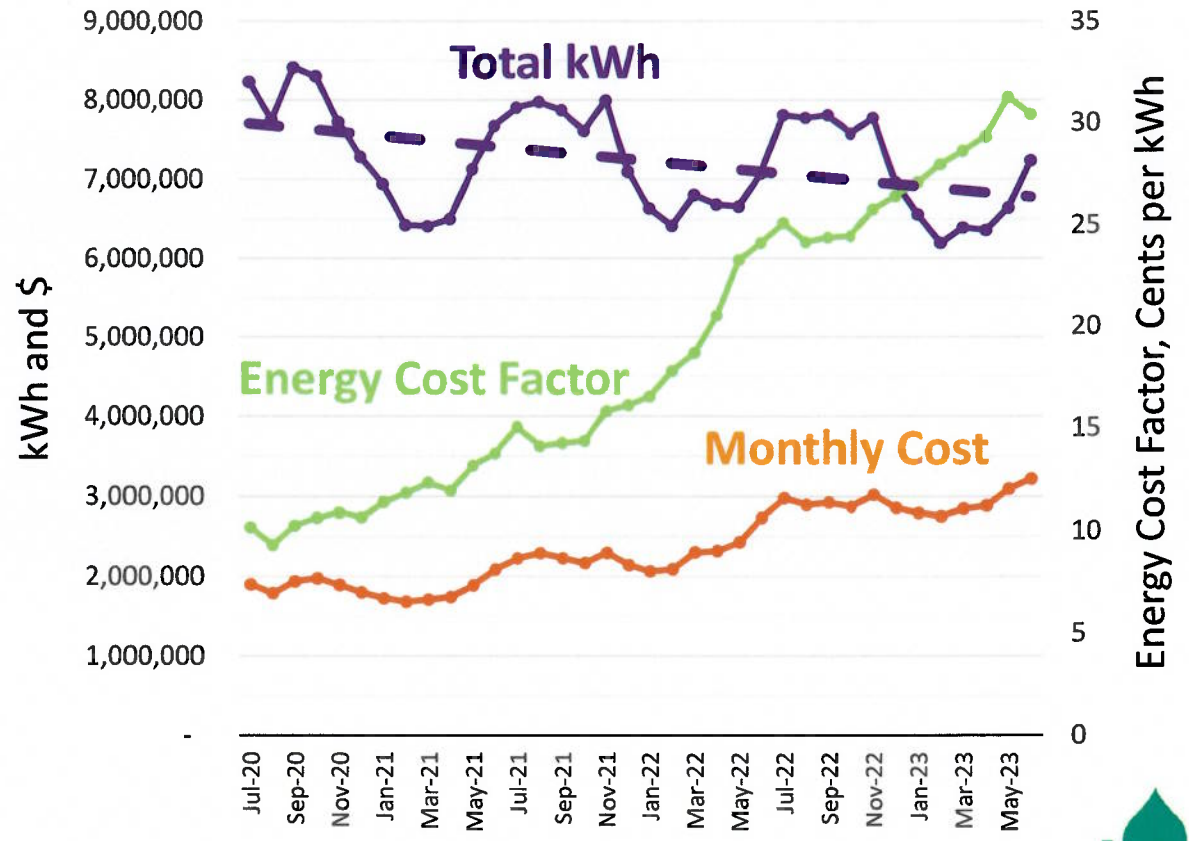
INFLATION HAS DECREASED OUR PURCHASING POWER



POWER COSTS TRENDING SHARPLY UPWARD

FY 2023 electricity costs \$33 million

\$5.5 million (20%) over budget



RED HILL RESPONSE REQUIRES LARGE INVESTMENTS IN NEW BWS FACILITIES

- **Monitoring wells** for information on how the contamination is moving and **exploratory wells** to find new sources outside of its path
- Replace **17.5 million gallons per day** of potable water well pumping capacity
- **Undetermined:** Full impact to water quality and supply, impact to Operations & Maintenance costs, and cost recovery from Navy



BWS HAS TIGHTENED ITS BELT

Actions

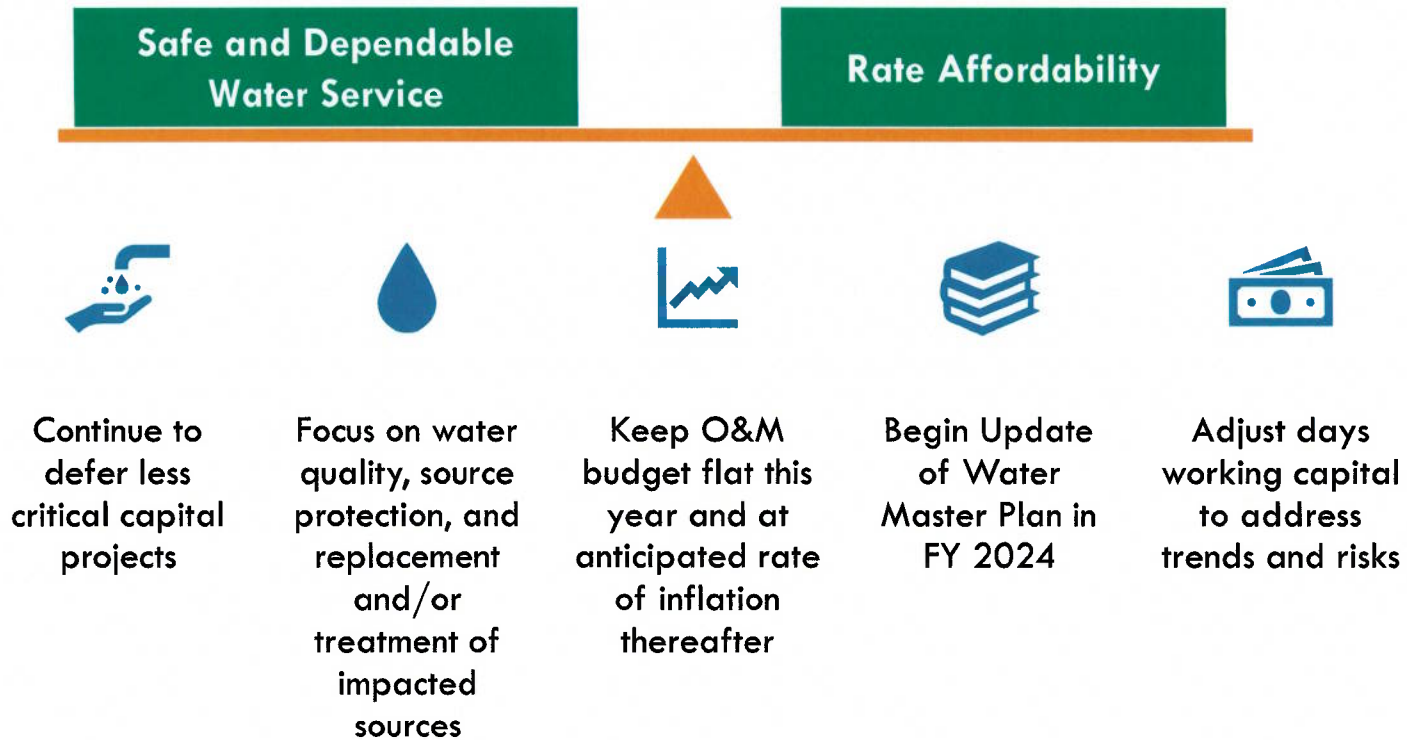
- Chose to not pass on energy cost increases to customers
- Deferred purchases of replacement vehicles and other equipment
 - Deferred less-critical capital projects

Benefits

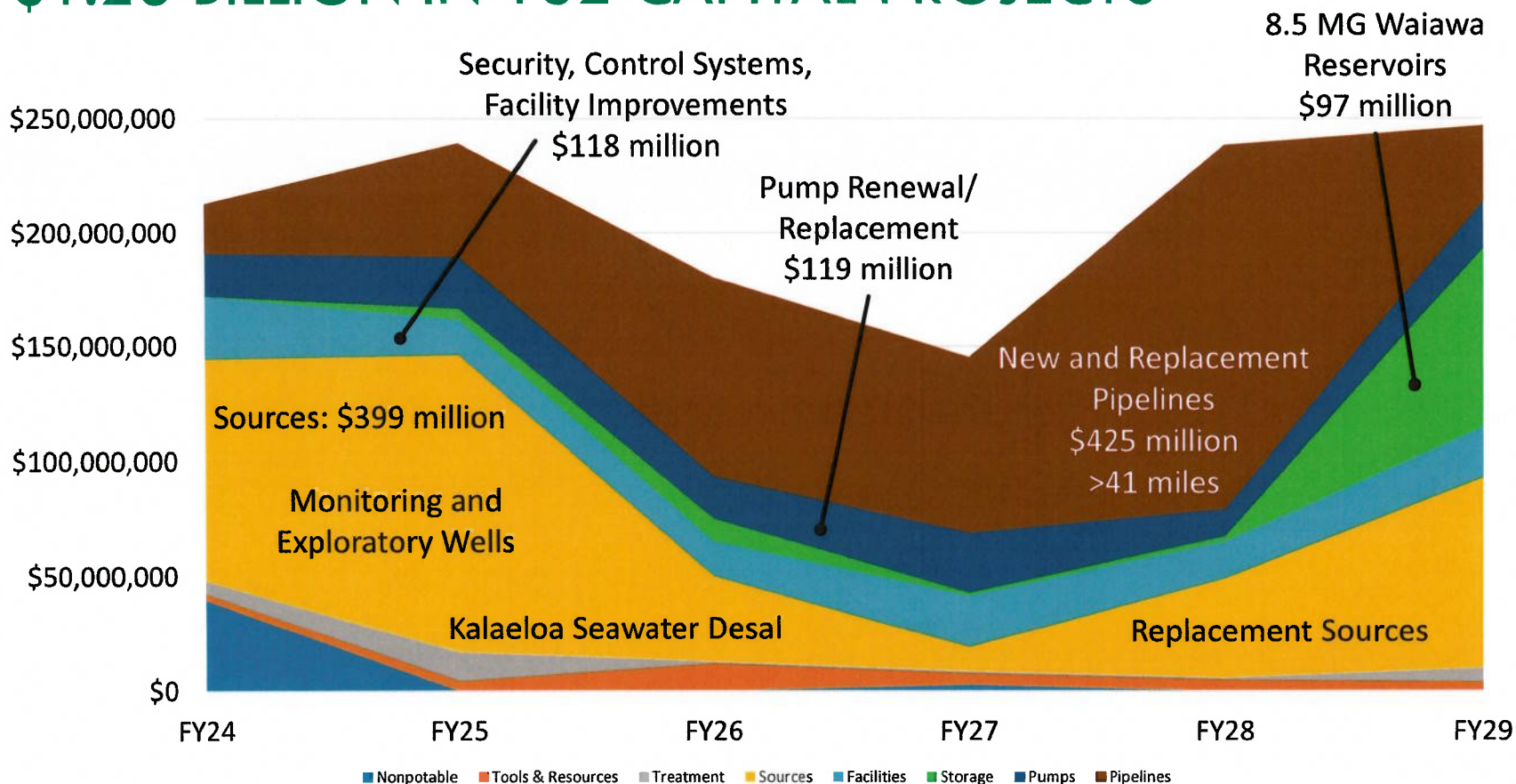
- From FY 2021 to FY 2022, operating expenditures decreased \$16.7 million (7.5%)
- Held to already-approved rate increases 2018-2023
 - 0.2% increase to 2024 Operations & Maintenance budget despite high inflation



OUR STRATEGY FOR RATE INCREASES STRIVES TO STRIKE A BALANCE



WHAT THE RATE INCREASES WILL PAY FOR \$1.26 BILLION IN 132 CAPITAL PROJECTS



BWS CUSTOMER CLASSES



Single-family residential



Multi-unit residential



Agricultural



Non-residential



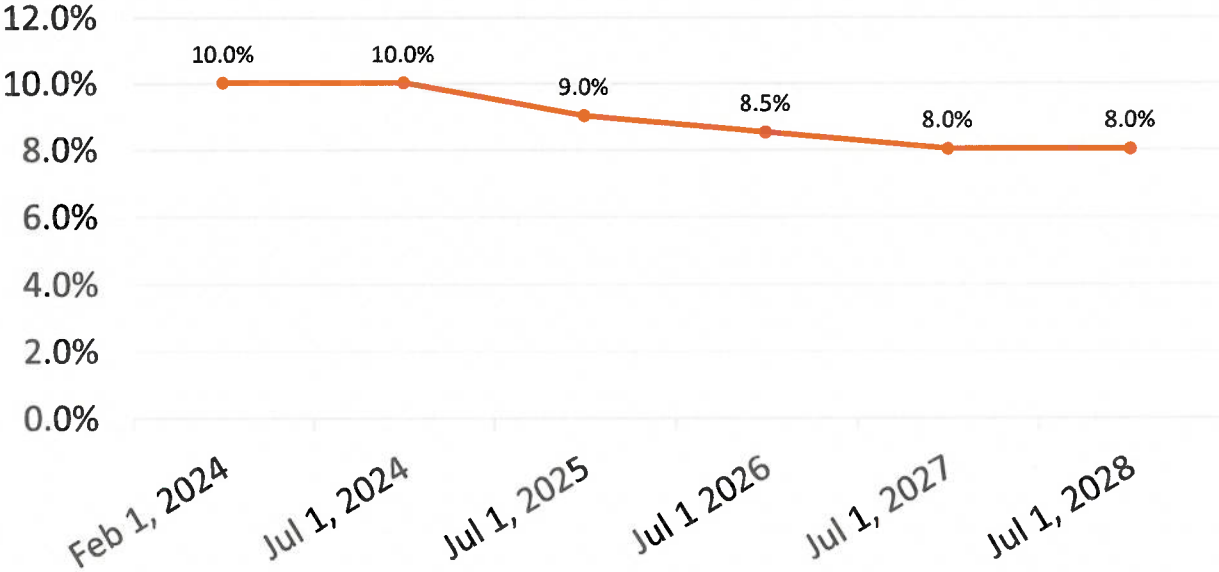
Non-potable and recycled

% of Customer Accounts*	% Usage*	Cost of Service Recovery
90%	35.4%	95%
4%	20.7%	100%
<1%	2.4%	60%
5%	33.9%	117%
<1%	6.3%	Varies from 32% to 94%

* May not equal 100% due to rounding

**WATER RATES BEING PROPOSED FOR 5 1/2-YEAR PERIOD
BEGINNING FEBRUARY 1, 2024 – JUNE 30, 2029
RATES WILL REMAIN IN EFFECT UNTIL SUPERSEDED.**

**BWS planned
for rate
increases every
year**



ALL CUSTOMER CLASSES WILL HAVE SAME RATE INCREASE



Single-family residential

Tiered



Multi-unit residential

Tiered



Agricultural

Tiered



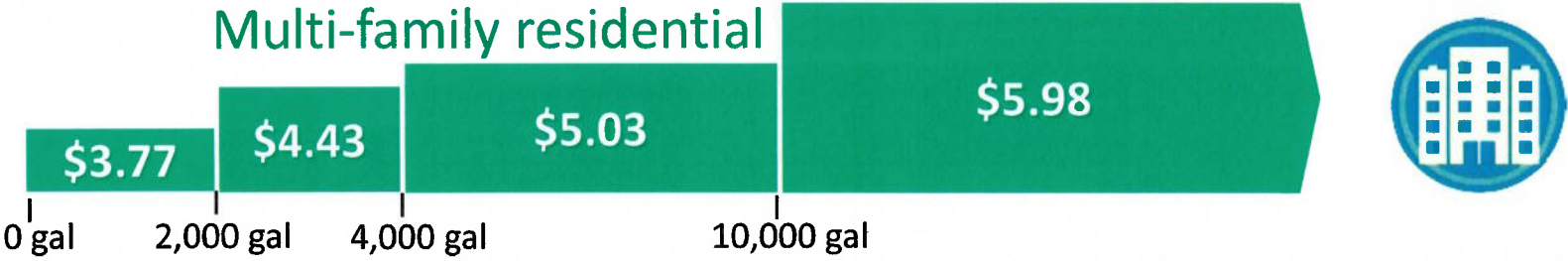
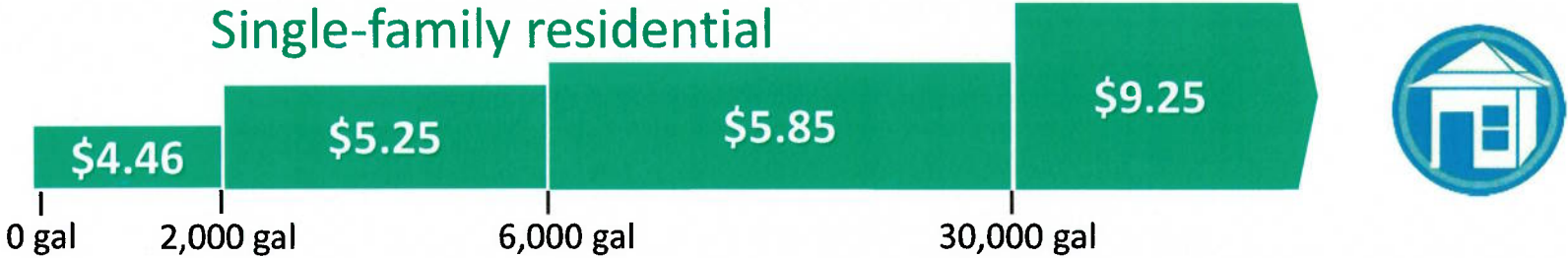
Non-residential



Non-potable and recycled

Changes may vary by tier,
but are consistent across
the class

RESIDENTIAL CUSTOMERS PAY MORE AS WATER USE INCREASES – CURRENT RATES



Current Charges per 1,000 gallons



**INCREASE FOR
ESSENTIAL NEEDS TIER
LIMITED TO
2.5% PER YEAR**

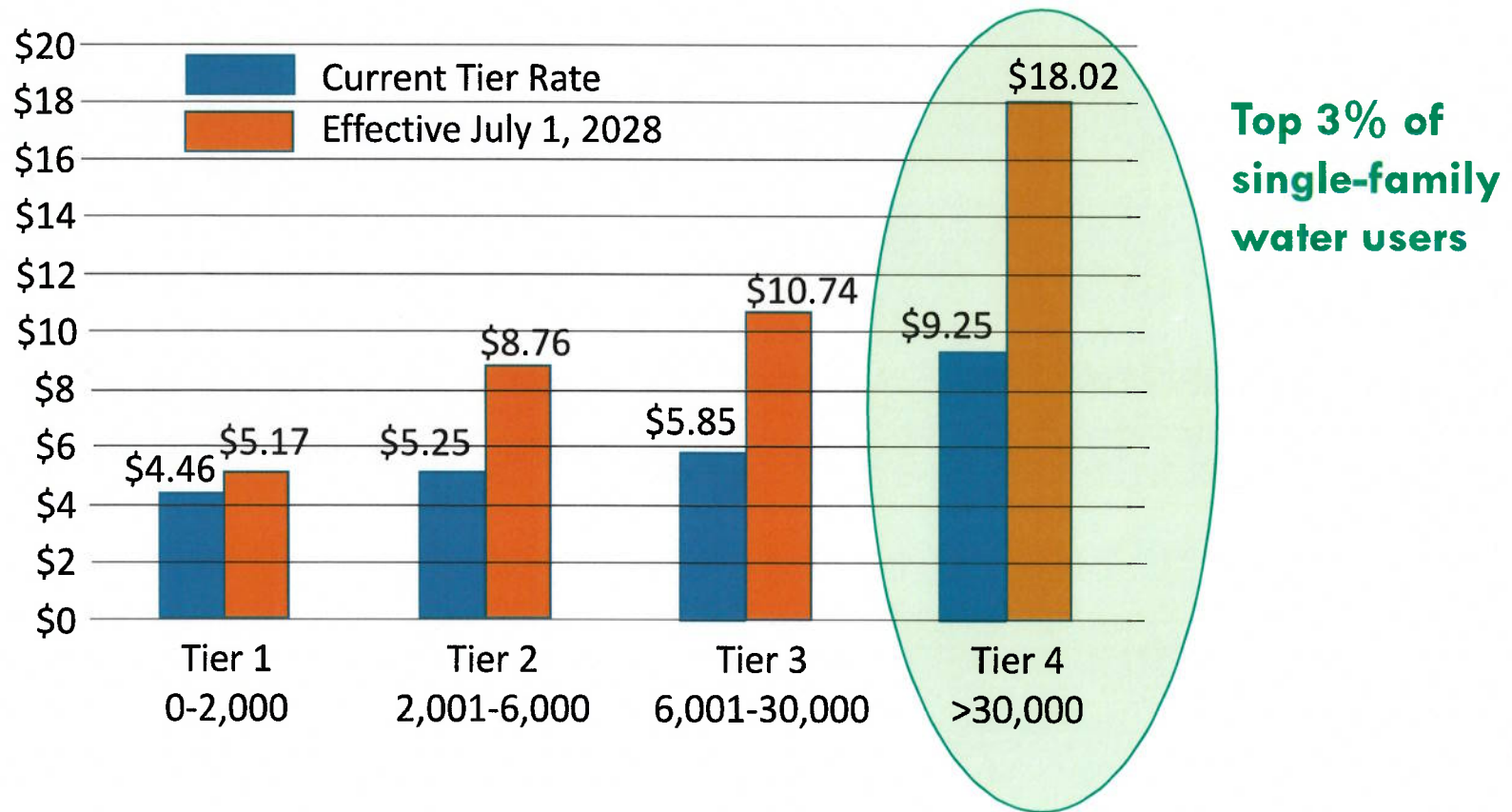
**Below-cost rate for first
2,000 gallons per month**

**All residential customers
get this rate**

**10% of BWS residential
customers use 2,000
gallons or less**



RATES DESIGNED TO ENCOURAGE CONSERVATION BY HIGHEST WATER USERS



SINGLE-FAMILY RESIDENTIAL WATER RATES 2024 - 2029



Tier	Gallons/ du/month	Current	Proposed Rates, Effective Dates					
			Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
EssN: 1	0 to 2,000	\$4.46	\$4.57	\$4.69	\$4.80	\$4.92	\$5.05	\$5.17
2	2,001 to 6,000	\$5.25	\$5.78	\$6.35	\$6.92	\$7.51	\$8.11	\$8.76
3	6,001 to 30,000	\$5.85	\$6.53	\$7.34	\$8.15	\$8.98	\$9.82	\$10.74
4	More than 30,000	\$9.25	\$10.95	\$12.32	\$13.67	\$15.06	\$16.48	\$18.02

EssN – Essential needs

Rates are in \$ per thousand gallons

du – dwelling unit

PROPOSED: For Discussion Only



HOW TO CALCULATE YOUR WATER BILL



Tier	Gallons/du/month	Current Water Rate	Thousands of Gallons of Usage (k-gal)	Extended Amount \$
EssN: 1	0 to 2,000	\$4.46	X 2	= \$8.92
2	2,001 to 6,000	\$5.25	X 4	= \$21.00
3	6,001 to 30,000	\$5.85	X 2	= \$11.70
4	More than 30,000	\$9.25	X 0	= \$0
Monthly Customer Charge (5/8 and 3/4-inch Meter)		\$12.09		+ \$12.09
Total Bill Amount				\$53.71

Example:
 Single-family residence
 3/4-inch meter
 Usage amount 8,510 gallons
 Usage is rounded down to the nearest 1,000 gallons (k-gal)
 = 8 k-gals



PROPOSED: For Discussion Only

MONTHLY CUSTOMER CHARGE BASED ON WATER METER SIZE



Meter Size	Current	Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
5/8"	12.09	13.30	14.63	15.95	17.30	18.68	20.18
3/4"	12.09	13.30	14.63	15.95	17.30	18.68	20.18
1"	15.28	16.81	18.49	20.15	21.87	23.62	25.50
1.5"	17.41	19.15	21.07	22.96	24.91	26.91	29.06
2"	43.45	47.80	52.57	57.31	62.18	67.15	72.52
3"	53.55	58.91	64.80	70.63	76.63	82.76	89.38
4"	101.92	112.11	123.32	134.42	145.85	157.52	170.12
6"	181.64	199.80	219.78	239.56	259.93	280.72	303.18
8"	276.78	304.46	334.90	365.05	396.07	427.76	461.98
12"	598.53	658.38	724.22	789.40	856.50	925.02	999.02

PROPOSED: For Discussion Only



COMPARING WATER BILLS – ESSENTIAL NEEDS TIER – 10% OF SINGLE-FAMILY RESIDENTIAL

The Low Water User (2,000 gallons per month)

Current Bill	Future Bill at Proposed Rates					
	Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
\$21.01	\$22.44	\$24.00	\$25.55	\$27.15	\$28.78	\$30.52
\$ Change	\$1.43	\$1.56	\$1.55	\$1.60	\$1.63	\$1.75
% Change	6.8%	6.9%	6.5%	6.2%	6.0%	6.1%



PROPOSED: For Discussion Only

COMPARING WATER BILLS – AVERAGE WATER USER SINGLE-FAMILY RESIDENTIAL

The Average Water User
(9,000 gallons per month)

Current Bill	Future Bill at Proposed Rates					
	Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
\$59.56	\$65.12	\$71.44	\$77.69	\$84.13	\$90.70	\$97.80
\$ Change	\$5.56	\$6.32	\$6.25	\$6.44	\$6.57	\$7.10
% Change	9.3%	9.7%	8.8%	8.3%	7.8%	7.8%



PROPOSED: For Discussion Only

COMPARING WATER BILLS – HIGH WATER USER – TOP 3% OF SINGLE-FAMILY RESIDENTIAL

The High Water User
(35,000 gallons per month)

Current Bill	Future Bill at Proposed Rates					
	Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
\$228.66	\$256.94	\$287.22	\$317.15	\$347.96	\$379.42	\$413.49
\$ Change	\$28.28	\$30.28	\$29.93	\$30.81	\$31.46	\$34.07
% Change	12.4%	11.8%	10.4%	9.7%	9.0%	9.0%

PROPOSED: For Discussion Only



MULTI-UNIT RESIDENTIAL WATER RATES 2024 - 2029



Tier	Gallons/ du/month	Current	Proposed Rates, Effective Dates					
			Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
EssN: 1	0 to 2,000	\$3.77	\$3.86	\$3.96	\$4.06	\$4.16	\$4.27	\$4.37
2	2,001 to 4,000	\$4.43	\$4.87	\$5.36	\$5.84	\$6.34	\$6.85	\$7.39
3	4,001 to 10,000	\$5.03	\$5.70	\$6.52	\$7.33	\$8.16	\$9.01	\$9.93
4	More than 10,000	\$5.98	\$7.21	\$8.25	\$9.27	\$10.33	\$11.40	\$12.57

EssN – Essential needs
 Rates are in \$ per thousand gallons
 du – dwelling unit

PROPOSED: For Discussion Only



MULTI-UNIT RESIDENTIAL SAMPLE WATER BILLS



Dwelling Units (du)	Meter Size	Monthly Usage k-gals/du	Current	Proposed Rates, Effective Dates					
				Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
272	3"	7	\$8,619	\$9,462	\$10,454	\$11,436	\$12,446	\$13,478	\$14,593
144	8"	9	\$6,260	\$6,924	\$7,712	\$8,492	\$9,294	\$10,113	\$11,000
277	8"	14	\$19,805	\$22,610	\$25,474	\$28,303	\$31,216	\$34,189	\$37,413

PROPOSED: For Discussion Only
Bill amounts rounded to nearest \$1
Excludes Fire Meter Standby Charge



NON-RESIDENTIAL CUSTOMERS DRIVE OUR ISLAND'S ECONOMY – CURRENT RATES



Non-residential customers pay 117% of their cost of service

\$5.27 per 1,000 gallons



NON-RESIDENTIAL WATER RATES 2024 - 2029



Current	Proposed Rates, Effective Dates					
	Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
\$5.27	\$5.80	\$6.38	\$6.95	\$7.54	\$8.14	\$8.80
% Change	10.0%	10.0%	9.0%	8.5%	8.0%	8.0%

Rates are in \$ per thousand gallons

Examples: hotels, restaurants, government, shopping centers, hospitals, retail



PROPOSED: For Discussion Only

NON-RESIDENTIAL SAMPLE WATER BILLS

PROPOSED: For Discussion Only
Bill amounts rounded to nearest \$1



Business Type	Meter Size	Monthly Usage k-gals	Current	Proposed Rates, Effective Dates					
				Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Restaurant	1.5"	230	\$1,230	\$1,352	\$1,488	\$1,622	\$1,759	\$1,900	\$2,052
Hotel	6"	1,526	\$8,224	\$9,046	\$9,951	\$10,846	\$11,768	\$12,710	\$13,726
Church	2"	233	\$1,271	\$1,399	\$1,538	\$1,677	\$1,819	\$1,965	\$2,122
Office Building	3"	458	\$2,467	\$2,714	\$2,985	\$3,254	\$3,531	\$3,813	\$4,118
Large Industrial User	8"	31,233	\$164,780	\$181,258	\$199,383	\$217,328	\$235,801	\$254,665	\$275,038
Large Shopping Center	3"	4,907	\$25,913	\$28,505	\$31,355	\$34,177	\$37,082	\$40,049	\$43,253



CURRENT REDUCED RATES WILL BE CONTINUED



Lower rates for
local agriculture

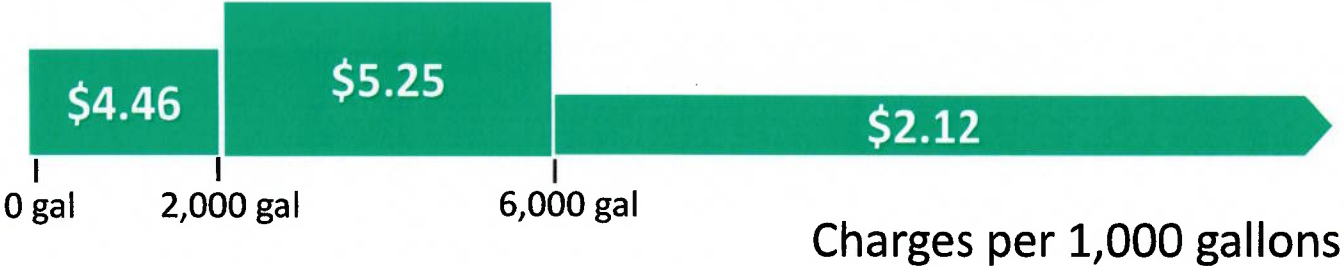
**and recycled
water**



AGRICULTURAL CUSTOMERS PAY A LOWER RATE – CURRENT RATES



<1% of BWS's total customers



Reduced rates encourage local farming of fresh, healthy produce.
Rate participation requires application and approval.



AGRICULTURAL WATER RATES

2024 - 2029



Tier	Gallons/ du/month	Current	Proposed Rates, Effective Dates					
			Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
EssN: 1	0 to 2,000	\$4.46	\$4.57	\$4.69	\$4.80	\$4.92	\$5.05	\$5.17
2	2,001 to 6,000	\$5.25	\$5.78	\$6.35	\$6.92	\$7.51	\$8.11	\$8.76
3	Over 6,000	\$2.12	\$2.33	\$2.57	\$2.81	\$3.05	\$3.29	\$3.56

EssN – Essential needs

Rates are in \$ per thousand gallons

du – dwelling unit

PROPOSED: For Discussion Only





COMPARING BILLS – AGRICULTURAL CUSTOMER

1-Inch Meter

98,000 gallons per month

Current Bill	Future Bill at Proposed Rates						Cumulative Change
	Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	
\$240.24	\$263.86	\$289.84	\$315.56	\$342.04	\$369.08	\$398.27	\$158.03
% Change	9.8%	9.8%	8.9%	8.4%	7.9%	7.9%	65.8%



PROPOSED: For Discussion Only

NON-POTABLE AND RECYCLED WATER RATES 2024 - 2029



Type	Current	Proposed Rates, Effective Dates					
		Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Non-Potable	\$2.90	\$3.19	\$3.51	\$3.82	\$4.15	\$4.48	\$4.84
R-1 Golf	\$0.65	\$0.72	\$0.79	\$0.86	\$0.93	\$1.00	\$1.08
R-1 Other	\$1.96	\$2.16	\$2.37	\$2.59	\$2.80	\$3.03	\$3.27
RO	\$6.36	\$7.00	\$7.70	\$8.39	\$9.10	\$9.83	\$10.62

Rates are in \$ per thousand gallons

PROPOSED: For Discussion Only



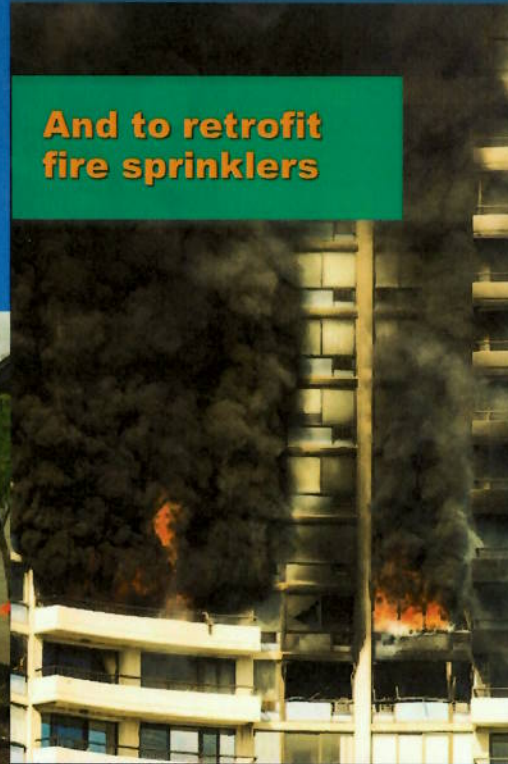


For affordable housing



For homeless housing

**CONTINUING
EXISTING FEE
WAIVERS TOO!**



**And to retrofit
fire sprinklers**



EXTENSION OF EXISTING FEE WAIVERS

Waiver of Water System Facilities Charge for Qualified Affordable and Homeless Dwelling Units

The Board of Water Supply may waive the Water Systems Facilities Charges and new meter cost for qualified on-site affordable and homeless dwelling units, up to 500 dwelling units per year. The waivers will be granted when the building permit is submitted for approval. To qualify, the dwelling units must be certified as either affordable or homeless dwelling units by the appropriate agency of the City and County of Honolulu. Waiver of the Water System Facilities Charge will apply only to fixture units associated with the certified dwelling units. The amount of the meter waiver shall be calculated as a percentage of the number of certified dwelling units to the total number of dwelling units in the project. If the annual cap of 500 dwelling units has not been reached and a project is proposed that would qualify for more than the remaining number of dwelling units in that year, the Manager and Chief Engineer has the discretion to increase that year's limit.

Waiver of Meter Charges for Residential Fire Sprinkler Retrofits

The Board of Water Supply may waive the new meter charges for high rise multi-unit residential fire sprinkler retrofits.



BWS IS CONSIDERING WAIVERS FOR NEW FARMERS

Waiver of Water System Facilities Charge for New Farmers

The Board of Water Supply may waive the Water Systems Facilities Charges and new meter cost for qualified new farmers needing a ¾- or 1-inch water meter and connecting to the BWS system for the first time. A new farmer is defined as any entity starting up a new agricultural enterprise that will be actively growing crops and/or raising livestock for food purposes, or dairy farming on a commercial basis, that does not already have a meter on the BWS system for the purpose of farming. Existing farming operations and expansion of existing operations do not qualify. The BWS will have full discretion whether what is being grown or raised is for food or other purposes. The new water meter serving the agricultural operation shall only serve the farm and up to one residence / dwelling. The entity must be a registered Hawai'i farm business and have GET license. The entity must provide a written farm irrigation plan and install a BWS-approved backflow preventer at its own cost. This program will expire when the waivers granted by BWS have reached \$1 million, unless otherwise extended prior to that time. The waiver will be revoked and the installation fee and Water System Facilities Charge will become immediately due and payable if: (a) commercial agricultural operations are not maintained for at least 5 years, or (b) other violations are identified and not rectified within a specified timeline mandated by the BWS.



FIRE METER STANDBY CHARGE

Meter Size	Current	Feb 1 FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
2" and smaller	\$7.99	\$8.79	\$9.67	\$10.54	\$11.43	\$12.35	\$13.34
3"	\$10.29	\$11.32	\$12.45	\$13.57	\$14.73	\$15.90	\$17.18
4"	\$14.23	\$15.65	\$17.22	\$18.77	\$20.36	\$21.99	\$23.75
6"	\$28.44	\$31.28	\$34.41	\$37.51	\$40.70	\$43.95	\$47.47
8"	\$52.94	\$58.23	\$64.06	\$69.82	\$75.76	\$81.82	\$88.36

- For READINESS TO SERVE, applies exclusively to services for private fire protection including automatic fire sprinklers connected to alarms, fire hydrants, and wet stand pipes



NO CHANGES TO STANDBY CHARGE FOR EMERGENCY INTERCONNECTIONS

- For **EMERGENCY** interconnections or **TEMPORARY** service outages for private water systems
- Charged at the applicable quantity rate for each 1,000 gallons
- **CONTINGENT UPON IMPACTS TO BWS CUSTOMERS'** level of service and BWS's ability to meet Water System Standards requirements



NO CHANGES TO WATER SYSTEM FACILITIES CHARGE

- A **ONE-TIME CHARGE** based on water use
- Applies to :
 - All **NEW DEVELOPMENT** requiring water from the BWS's system
 - **ADDITIONAL CAPACITY** needed for an existing water service
- **EXCLUDES:**
- **DEVELOPMENTS THAT HAVE PAID** for and installed all of a water system
- Portion of the system **INSTALLED BY DEVELOPERS**, e.g. source, transmission and/or storage



NO CHANGES TO COST ADJUSTMENT FEES

- **POWER COST ADJUSTMENT:** When total power, or electricity, costs exceed the amount used in calculating rates, the Quantity Charge may be increased \$0.01 per 1,000 gallons for every \$500,000 incremental power cost overage in the following fiscal year
- **ENVIRONMENTAL REGULATIONS COMPLIANCE FEE:** The quantity charge may be increased \$0.01 per 1,000 gallons for each \$500,000 of additional costs required to incur in order to comply with any Federal or State environmental law or regulation



BWS OFFERS WATER CONSERVATION DEVICE REBATES



AND IMPLEMENTING NEW WATER CONSERVATION PROGRAMS

Top water user outreach

- Hotels, other businesses, condos and townhomes

Direct install for Kupuna living on their own

- Free low flow showerheads and faucet aerators
- Water audits of homes
- Ensure Kupuna are getting appropriate rebates

For more information go to the conservation menu tab at boardofwatersupply.com

Low Income Household Water Assistance Program

- Goal is to prevent disruption of services/restore services that were disconnected due to nonpayment of bills
- BWS and ENV received a total of 464 payments totaling \$441,618.52
- Initially the program provided up to \$1,000 towards their outstanding water and/or wastewater balance, per eligible household.
 - As of November 2023, the program will payoff the entire outstanding balance.
 - State DHS is reviewing all processed applications to determine if there are households who had balances greater than \$1,000 that are now eligible to receive an additional payment, up to the total delinquent amount at the time of their application
- There is also discussion about further enhancing the program to provide an additional credit directly to the BWS account to cover future bills, to help temporary alleviate some of their financial burden so they can get on track

GIVE YOUR INPUT ON PROPOSED RATES

Send a letter or an email to:

Board of Water Supply

Attn: Proposed Water Rates

630 South Beretania, Honolulu 96843

Email: bwsrates@hbws.org

Nov. 27, 2023



For more information, visit our website or scan this QR code with your mobile device.

Questions?

Call: (808) 748-5041

BWS Website: www.boardofwatersupply.com

Twitter: [@BWSHonolulu](https://twitter.com/BWSHonolulu)

Facebook: <http://www.facebook.com/BWSHonolulu>



RATE PROPOSAL INFORMATION ON WEBSITE

- 3,444 Views on BWS Website
- 1,742 Unique Users
- Social Media – 35 clicked the link

The screenshot shows the website header for the Board of Water Supply, including a search bar and navigation links for ABOUT US, CONTACT, and MY ACCOUNT. Below the header is a yellow banner with the text 'DRAFT PROPOSED RATE SCHEDULE'. The main content area features a breadcrumb trail: 'Community Meetings | Informational Materials | Draft Proposed Water Rates | FAQ'. The primary heading is 'Draft Proposed Water Rate Schedule', followed by a paragraph explaining that the Board is sharing the draft schedule for residential, non-residential, and agricultural development, and inviting public feedback. Below this, there are three sections: 'Share Your Input' with a list of contact methods (online form, email, call, mail, and attend meetings); 'Community Meetings' with links to overview, recordings, and presentations; and 'Q&A from Public Meetings' with links to Q&A from community information, neighborhood board, and elected officials meetings. To the right, under 'Informational Materials', there are links to an FAQ and a document titled 'Water Matters: Proposed Water Rates (Fall 2023)'. A thumbnail image of the 'WATER MATTERS' document is also visible.



OVERVIEW VIDEO OF RATE PROPOSAL

- 284 Views on BWS Website

Overview into the Proposed Updates to the Water Rates and Charges (11:44)



4 COMMUNITY INFORMATION MEETINGS

25 ATTENDEES

All Meetings: 6:00 – 8:30 PM	
Kaneohe	Monday, August 14 <i>Benjamin Parker Elementary School Cafeteria</i> 45-259 Waikalua Road, Kaneohe 96744
Honolulu	Tuesday, August 15 <i>Japanese Cultural Center of Hawaii</i> 2454 S Beretania St., Honolulu 96826
Kapolei	Wednesday, August 16 <i>Kapolei Hale, Conference Rooms A/B/C</i> 1000 Uluohia Street, Kapolei 96707
Mililani	Wednesday, August 23 <i>Mililani High School</i> 95-1200 Meheula Parkway, Mililani 96789



VIDEOS OF COMMUNITY INFORMATION MEETINGS

- 75 Views on BWS Website
- All 4 meetings aired on Olelo TV at least 4 times each through late September
- All 4 meetings available on Olelo Video on Demand



21 NEIGHBORHOOD BOARD PRESENTATIONS ABOUT 420 ATTENDEES

North Shore #27	Waimanalo #32
Kuliouou-Kalani Iki #2	Wahiawa #26
Kahaluu #29	Kaimuiki #4
Diamond Head-Kapahulu- St. Louis Hts #5	Liliha / Puunui / Alewa / Kamehameha Heights #14
Mililani-Waipio #25	Makakilo-Kapolei #34
Waipahu #22	Kailua #31
Pearl City #21	Nuuanu / Punchbowl #12
Liliha-Kapalama #14	McCully #8



COMMUNITY COMMENTS

- Received 117 written and oral comments (not including Neighborhood Boards and Community Meetings)
 - 102 opposed or have concerns about increases
 - 15 supported increases and felt they were needed
- Received and responded to about 130 questions at the 21 Neighborhood Board and other meetings
 - After presentation and discussion, in general, board and community understood the why for the increase
- Topics of concern
 - Red Hill 60
 - Increases too High 38
 - Cost of Living 32
 - Impact to Kupuna/Fixed Income 23
 - Sewer 17
 - Development/Planning/Infrastructure/Conservation/Non-Residential/Waivers 80



COMMUNITY COMMENTS (CONT.)

- **Red Hill:**
 - "...writing in opposition to any rate increase related to Red Hill...costs in response to Red Hill must be paid by the US Navy and not passed on to ratepayers."
 - "The US Navy must pay all costs associated with shutdown and replacement of Halawa Shaft."
 - "Now, we are having to pay for the mistakes of tohers such as the Navy and thier cover up of polluting the water for years?"
- **Impact to Kupuna/Fixed Income:**
 - "The increase will greatly affect financially the retirees or middle class senior primary homeowners."
 - "...proposed rate increases are a cause for alarm, concern of living in Hawaii and destructive to those on a budget and where those who rely on Social Security."
 - "This proposed increase should definitely make it very difficult for retired seniors on "fixed income" to continue with keeping their household."
- **Cost of Living:**
 - "Please don't raise your rates, they're too high already."
 - "Hawaii residents can barely afford to live here on a good day."
 - "I do not support any rate hikes at this time. It is difficult for many locals to cope with rising costs..."



COMMUNITY COMMENTS (CONT.)

- **Increases too High:**
 - “...very unfair for you to raise the lowest rate...because no matter how much less water we use, there’s no cheaper rate.”
 - “Proposed rate increase is ridiculous.”
 - “I am opposed to a rate hike of 53.5% over 5 years. This is too steep for the average wage earner in Hawaii...”
- **Sewer:**
 - “I oppose rate hike, ask Sewer to lower their take as they have fixed their issues and no longer need that amount to support the infrastructure.”
 - “...my water bill has been increasing for over a decade with no significant change in water usage due to the increase in sewer charges...”
- **Development/Planning/Infrastructure/Conservation/Non-Residential/Waivers:**
 - “...tier 3 is too broad and does not encourage smart water use or water conservation efforts.”
 - “I may be willing to pay the water increases if condominiums were individually metered.”
 - “Please keep Ag rates as low as possible to allow food production to continue as I am retired and all costs come out of retirement savings.”
 - “Non-Residential Rates should be split out and a special category be established for facilities serving visitors...”
 - “...moratorium on building permits.”



COMMUNITY COMMENTS (CONT.)

- Support rate increase:
 - “As a residential customer, I support the increase.”
 - “I have no problem with the increased rates for water usage.”
 - I approve of the proposed water rates starting 1/1/24.”
 - “I understand most of the reasoning behind the proposed water rate hikes except, why are homeowners going to be responsible for the Navy’s mess created by the Red Hill crisis? The Navy should be responsible, not the public. Please let me know if BWS has made attempts to recover costs from the Navy?”



PROCESS

- Started technical process in 2022
- First stakeholder outreach in October 2022
- Have been discussing rates with the public since July 2023
- Provided at least 30-days notice of public hearing
 - Ran ad in Star Advertiser as required on Friday, October 27 and Sunday, October 29
- Public hearing with full consideration of all written and oral submissions (November 27, 2023)
- Board votes on Rates Proposal or a modified version of Proposal
- Submit post-hearing Small Business Impact Statement (due by December 7)
- Becomes effective 10 days after filing with City Clerk, or later as specified





HONOLULU CITY COUNCIL

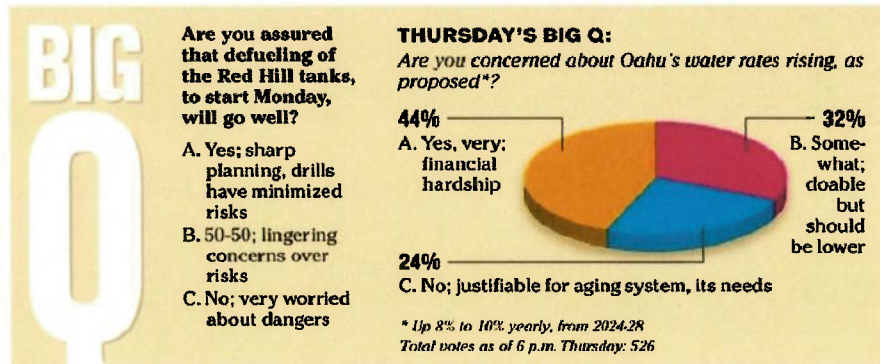
Ke Kanihela o ke Kalana o Honolulu

- 7 City Council Member Briefings
- Briefing to Managing Director on July 25, 2023



MEDIA

- Interview with Catherine Cruz, HPR
- Answered questions for Kokua Line in the Star Advertiser
- The Big Q in the Star Advertiser
- Civil Beat article September 18, 2023



Vote by 6 p.m. today on our website at staradvertiser.com. Results will run in tomorrow's edition and online. This is not a scientific poll; results reflect the opinions of only those voting.

Struggling To Get By

Oahu Homeowners And Businesses May Soon See Higher Water Bills

BWS says additional spending required because of Red Hill-related problems and inflation is forcing it to charge higher rates



By Ben Angarone / September 18, 2023

Reading time: 6 minutes.



Water prices may be increasing more than 50% over the next five years for most Oahu customers, if new rates proposed by the Honolulu Board of Water Supply are approved this fall.

BWS blamed inflation, the need to invest in new facilities because of fallout from the Navy's Red Hill water crisis, rising electricity costs and pandemic effects for the new rate proposals.

The proposed increases for water rates and water meter charges are 10% on Jan. 1, 2024; 10% on July 1, 2024; 9% on July 1, 2025; 8.5% on July 1, 2026; 8% on July 1, 2027, and 8% on July 1, 2028.

Some variation exists for single family residential customers, who are priced based on tier of water usage in order to encourage conservation. Residents who use less water would see a smaller rate increase.





DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM SMALL BUSINESS REGULATORY REVIEW BOARD

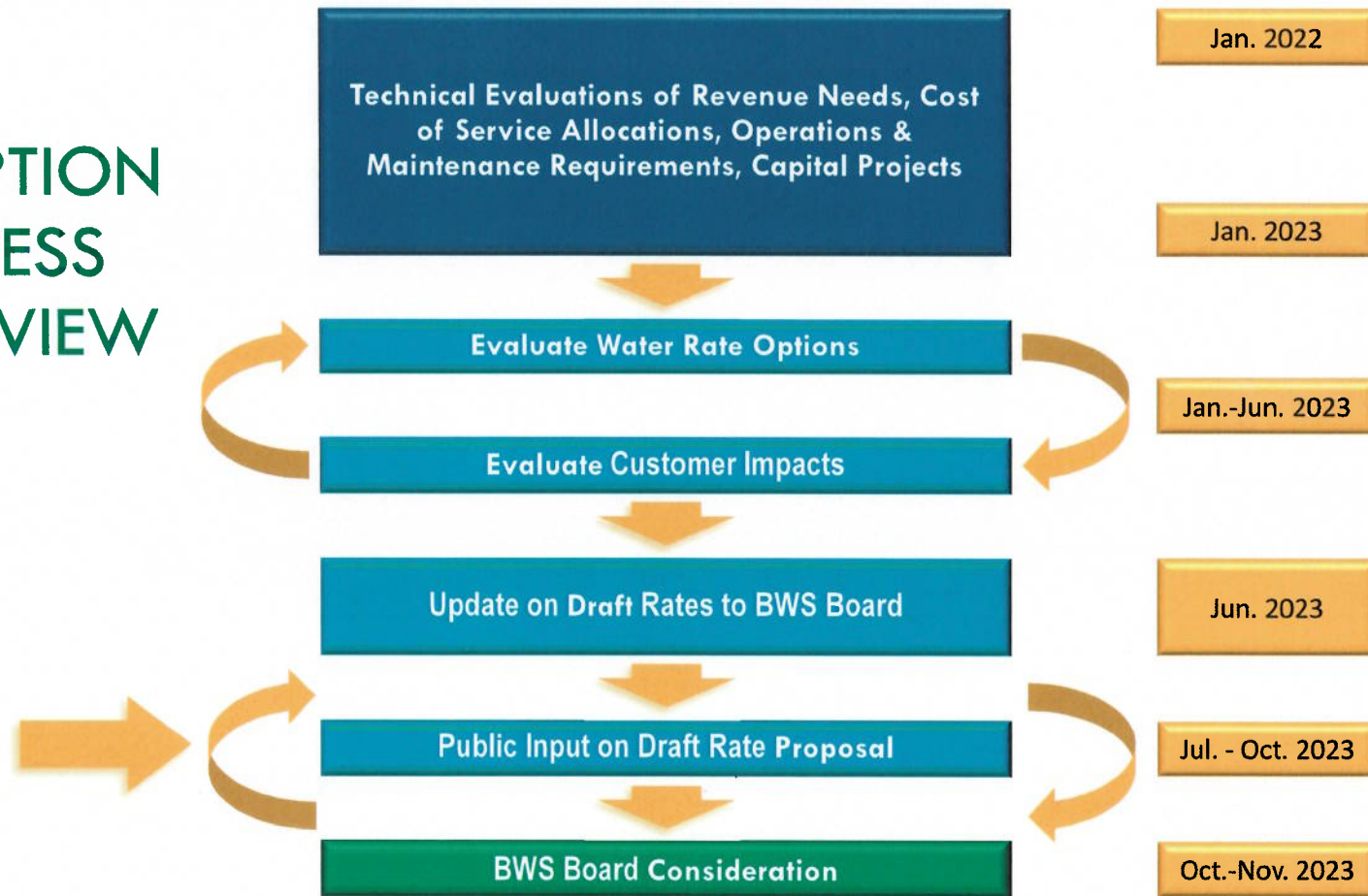
- Prepared Small Business Impact Statement and submitted to SBRRB (required prior to public hearing)
- SBRRB Review (August 17, 2023)
- Next Steps
 - Provide at least 30-days notice of public hearing
 - Public hearing with full consideration of all written and oral submissions (Tentative: November 27, 2023)
 - Submit post-hearing Small Business Impact Statement
 - Becomes effective 10 days after filing with City Clerk, or later as specified

**SBRRB made
unanimous
recommendation to
proceed to public
hearing**

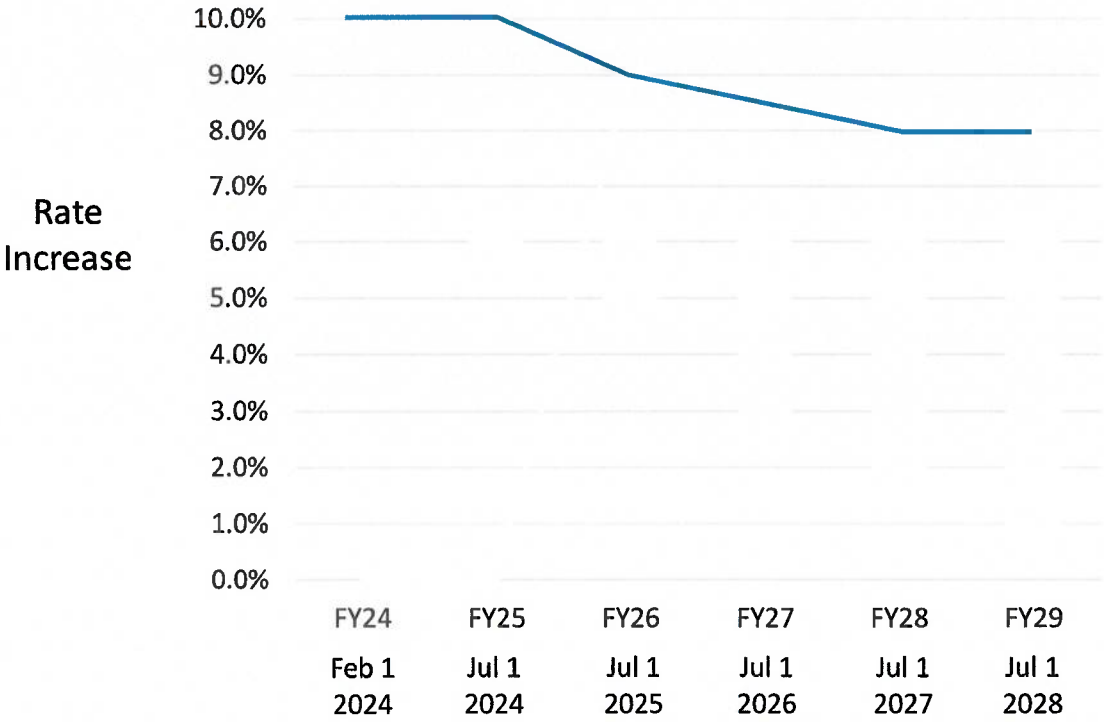
[HRS 91 and 201M]



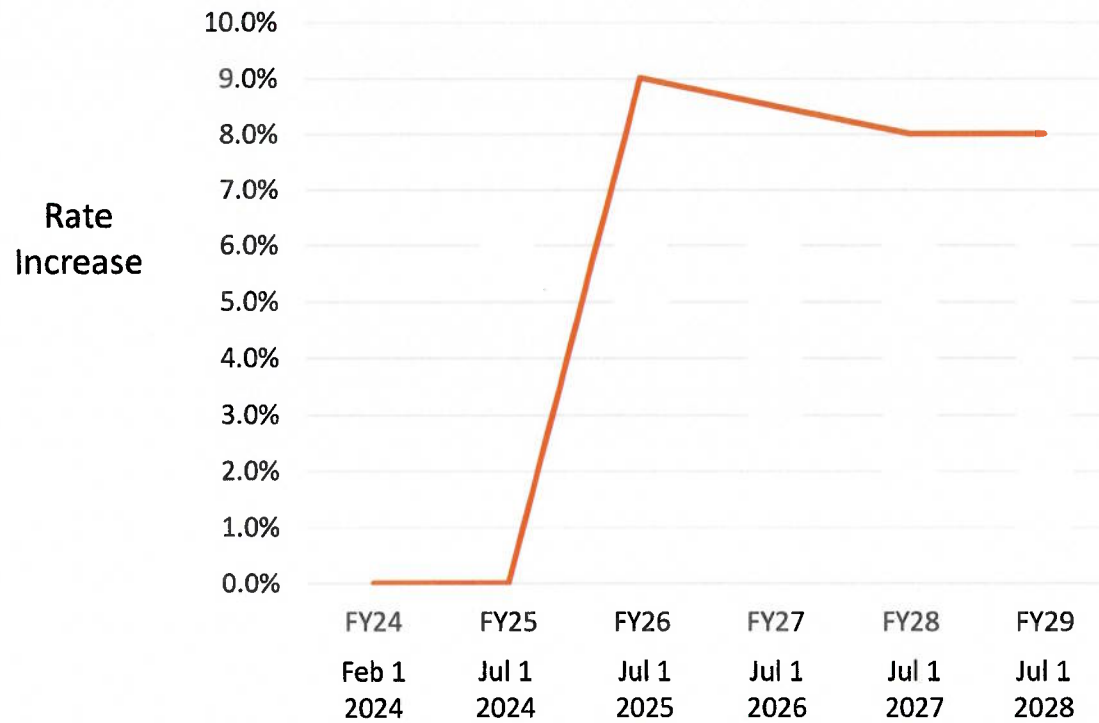
RATE ADOPTION PROCESS OVERVIEW



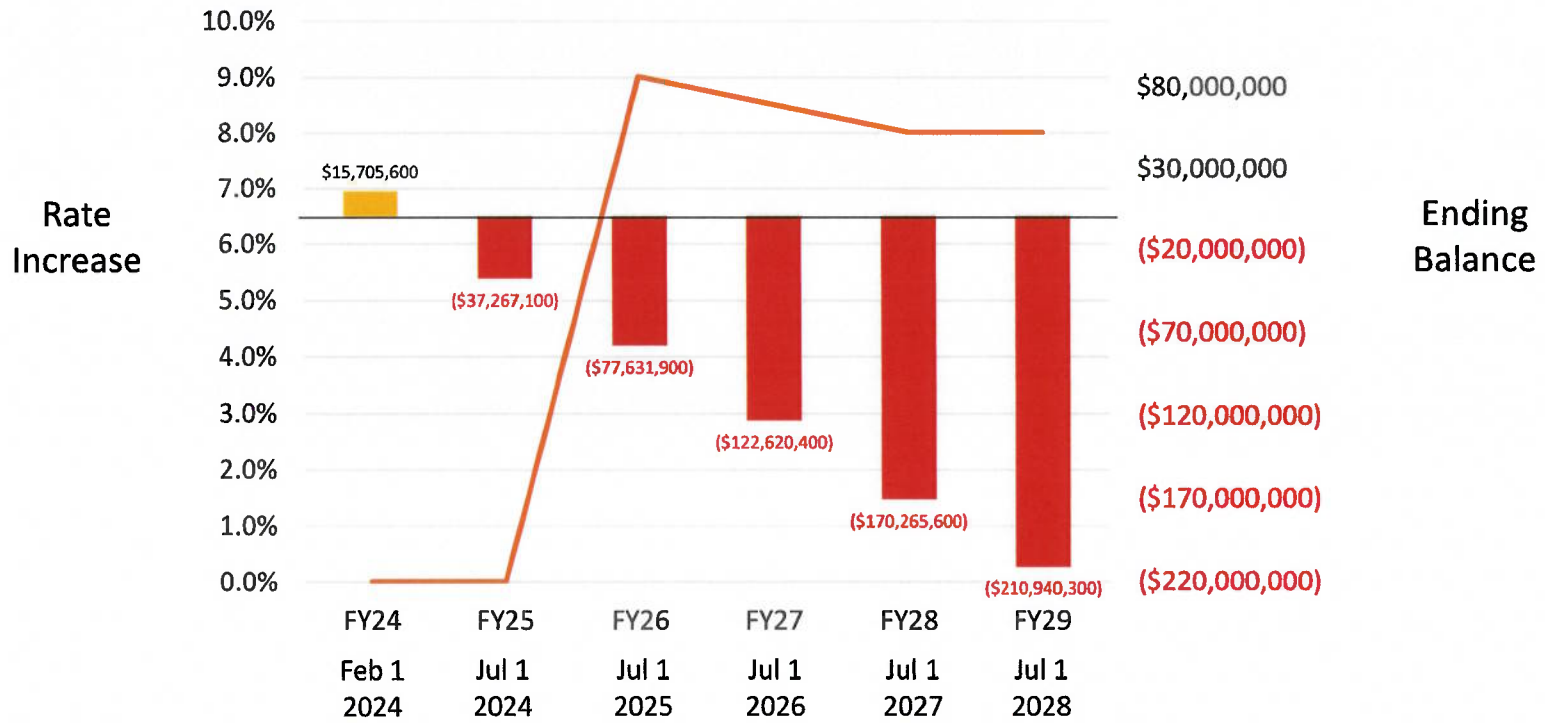
CONSIDERATION OF HOLDING OFF THE 2024 INCREASES



CONSIDERATION OF HOLDING OFF THE 2024 INCREASES

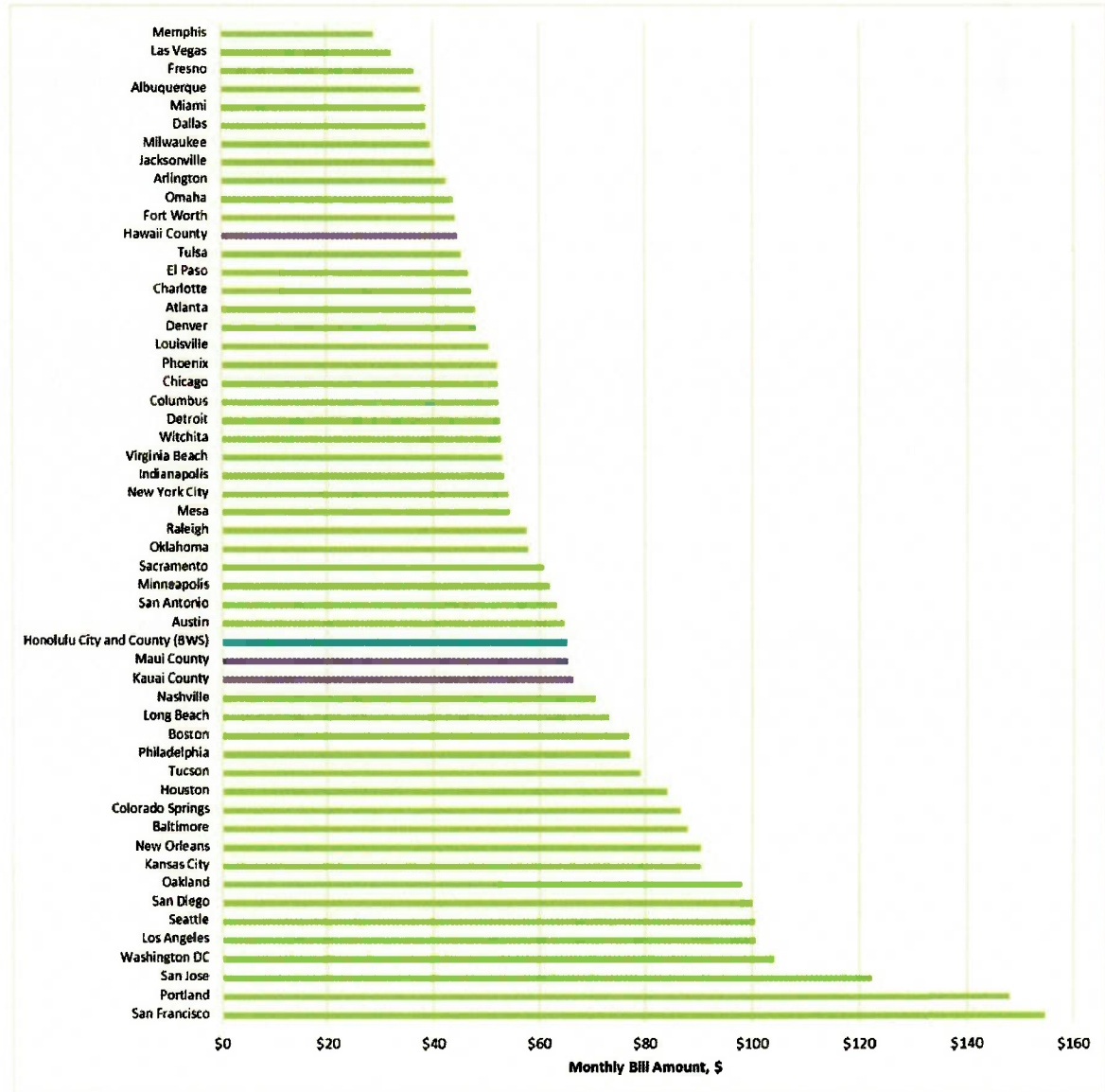


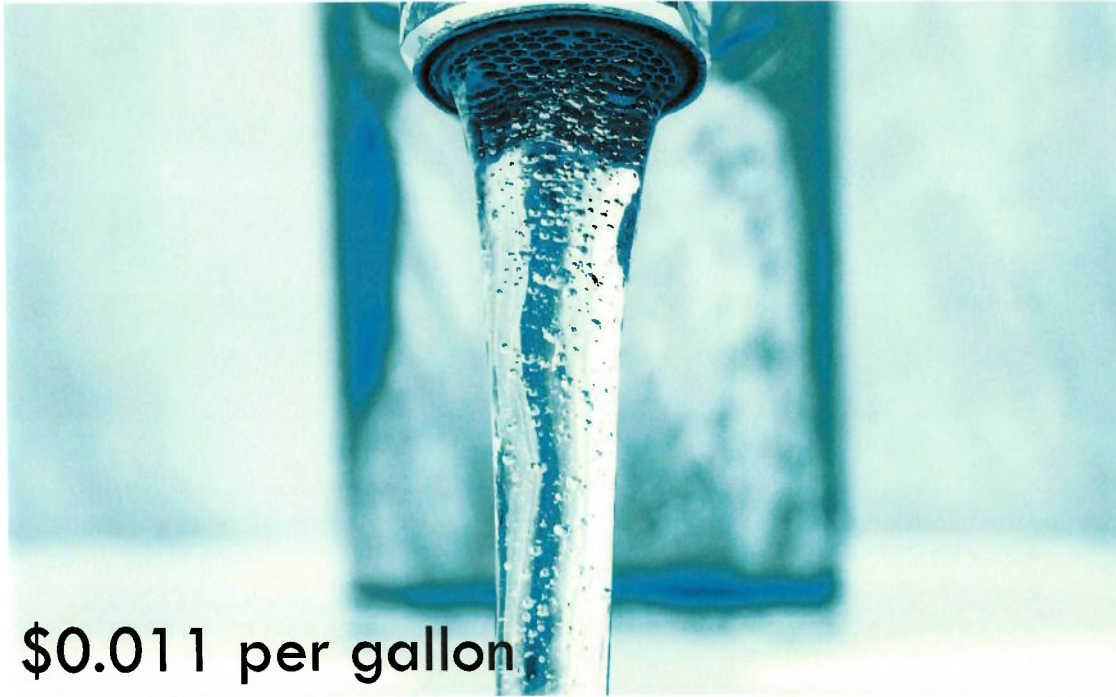
CONSIDERATION OF HOLDING OFF THE 2024 INCREASES



WATER RATES COMPARISON TO OTHER US CITIES

Proposed BWS rates as of Feb 1, 2024, compared to existing published rates for 9,000 gallons per month (BWS average) bill





\$0.011 per gallon

**BWS WATER
ABOUT A PENNY
GALLON**



**BOTTLED WATER
PURCHASED IN BULK
170X MORE**



\$1.73 per gallon



**\$15.14 per
gallon**

**SINGLE BOTTLES
PURCHASED RETAIL
1,500X MORE**





MAHALO!

THERE IS NO
SUBSTITUTE FOR PURE
WATER!

boardofwatersupply.com

TO: Members of the Honolulu Board of Water Supply

FROM: Natalie Iwasa
808-395-3233

DATE: Monday, November 27, 2023

SUBJECT: Proposed Water Rate Increases – **OPPOSE RESIDENTIAL RATES for LOW USAGE**

Aloha Chair Anthony and Board Members,

Thank you for this opportunity to provide testimony on the proposed water rates increases for January 1, 2024. Rates for all customer types are proposed to increase six times through July 1, 2028.

After the submission of my prior testimony, I was told the reason residential rates are higher than multi-unit households is because the amount of water used during peak hours is higher for single-family residents.

The other response that was provided was that single-family residents only pay 95% of the cost of their water while multi-unit residents pay 100%.

Rates are tiered based on usage with higher rates for higher usage. There is no reasonable explanation for charging single-family residents a higher rate for the low usage tier of up to 2,000 gallons. **The rate for single-family units and multi-units for the low-usage tier of up to 2,000 gallons should therefore be the same.**

Stella Bernardo

From: contactus=notify2.boardofwatersupply.com@mg.boardofwatersupply.com on behalf of contactus@notify2.boardofwatersupply.com
Sent: Monday, November 27, 2023 1:37 PM
To: Stella Bernardo; Board of Water Supply Board of Directors
Subject: Board Meeting Testimony Submittal or Request - November 27, 2023 - Darius Kila

CAUTION: This email originated from outside of the organization. Do not follow guidance, click links, or open attachments unless you recognize the sender and know the content is safe.

BWS TESTIMONY SUBMITTAL / REQUEST TO TESTIFY FORM

Form Submitted on: 11/27/2023 1:36:19 PM

Meeting Date: November 27, 2023

I wish to provide Written testimony + request to give remote oral testimony by Zoom videoconference

TESTIFIER INFORMATION

Full Name Darius Kila
Email repkila@capitol.hawaii.gov
Phone (optional) (808) 586-9480

TESTIMONY DETAILS

Agenda Item Action 02 - Adoption of Resolution No. 976, 2023, Adopting the Revisions to the Schedule of Rates & Charges for Furnishing of Water & Water Service for FY24-29
Your Position on Matter Oppose
Representing Self

I wish to provide

**Written testimony + request to give remote oral testimony by Zoom
videoconference**

**Written
Testimony
(if entered on the
online form;
otherwise see
attached)**

ACKNOWLEDGEMENTS

**Terms and
Agreement
Check Box**

I UNDERSTAND and ACCEPT that all public meeting transcripts and testimony are public documents. Therefore, any testimony that is submitted orally or in writing, electronically or in person, for use in the meeting process is public information.

www.boardofwatersupply.com/boardmeetings

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P.O. Box 1381, Kane'ohe, Hawaii 96744

drjimanthony77@gmail.com

808-358-4093

November 23, 2023

TESTIMONY

FORMAL SUBMISSION TO A PUBLIC MEETING DULY NOTICED BY
STAFF OF THE HONOLULU BOARD OF WATER SUPPLY

By Jim Anthony, PhD and Grace V. Anthony, BWS customers

Account Number 8141716163

Agenda:

PUBLIC HEARING TO CONSIDER THE REVISIONS TO THE SCHEDULE
OF RATES AND CHARGES FOR THE FURNISHING OF WATER AND
WATER SERVICE FOR FISCAL YEARS (FY) 2024 THROUGH 2029

Monday, November 27, 2023

Submission: Comments, Questions, Foundation for possible appletae review

To the FIVE members of the BOARD OF WATER SUPPLY

City and County of Honolulu [BY EMAIL: bwsrates@hbws.org]

Copy to Chair of the Board by electronic transmission

FOUNDATIONAL ISSUE TO BE COVERED IN 2 MINUTES:

ON MAY 9, 2023 a Unified Statement on Red Hill was signed by the Governor of Hawaii, Josh Green, Senator Ron Kouchi, Madame Chang, DLNR, David Lassner, President of the University of Hawaii, Scott Saiki, Speaker of the House, Ric Blangiardi, Mayor of the City & County of

Honolulu, Tommy Waters, Chair of the City and County of Honolulu and Ernie Lau, Head of the Board of Water Supply's bureaucracy (Administration) and its Chief Engineer.

[Significantly, no member of the five member Board of Water Supply signed the Statement.]

In relevant part this is what the Unified Statement said [Emphasis added]:

“We want total transparency,

We'd like to have data in a more straightforward presented manner so that we can understand it as one society.... We want to have a clear and comprehensive plan....”

Further, the Unified Statement called for **“public engagement”**. [Comment: It is significant that these high powered community leaders called for just plain “public engagement” and not INFORMED public engagement which they have never cultivated nor ever supported. These elites gain power and thrive on power in no small part because they thrive on public engagement that has become ritualized—two minute presentations, sometimes just one—mostly hollow, simplistic and naive. The ritualized, greasy, syrupy acknowledgment is usually: “thank you for your testimony [and a mumbled goodbye and good riddance.]”

Since its establishment in 1929, six months before the Great Crash, neither the Board of Water Supply nor its bureaucratic arm, its counterpart “staff” has done much to create the conditions for **informed public engagement.**

In this presentation of testimony we draw on what the elite political appointees and politicians have asked for themselves:

TOTAL TRANSPARENCY

DATA IN A MORE STRAIGHTFORWARD PRESENTED MANNER [so that we as members of the public can understand it]

And in keeping with the foregoing a sustained public program of relevant information sharing to genuinely enhance community understanding of how “things really work” so that they might be more fully informed and respected and not treated like potted plants. Of singular importance all members of the public must be informed in language that they are likely to comprehend, of what precisely their appellate rights are against any decision made by the Board. The time has come for the Board's five members to find ways to provide competent, independent counsel to assist members of the public to launch appeals and represent them in other ways for legitimate purposes.

Our fundamental point of departure in this written formal submission is that the information and process of so called community engagement for the proposed rate increase

over the next five years does NOT meet the standard set out in the Unified Statement of May 9, 2023.

The core of our submission: Defer any decision making on the contemplated rates increase until the information enhancement we seek is fully addressed.

The Navy is apparently treating Mr. Lau and his BWS minions (as well as the State of Hawaii and the City and County of Honolulu) shabbily and with apparent contempt. Mr. Lau and his army of bureaucrats, having usurped the powers of the Board have failed to empower the Board with the means to have ready access to information and knowledge resources of their own so that it might hold the bureaucracy accountable and subject the bureaucracy's advice to informed scrutiny. That ugly state of affairs is no defensible reason for the bureaucracy under Mr. Lau to treat thousands of its customers as shabbily and with such disguised contempt as the Navy treats him and his colleagues. What is good enough for Mr. Lau and his captive Board as set out in the Unified letter ought to be at least good enough for, especially, ALL of its long time rates residential customer victims, we argue, of indefensible shabby treatment derived in no small part by what I call 'externalization of real cost and supposed other reasons.

FURTHER:

1. The document that purports to give notice of this meeting is incomplete in several respects:

A. It is not authenticated by either a duly authorized representative of the Administration (the Chief Engineer, for example) or by any member of the Board itself.

B. Vital matters of context in which the rates issue is embedded have been externalized, omitted. The absence of these vital matters makes it impossible for interested members/customers of the Board of Water Supply to comment comprehensively and meaningfully on the proposed increase in rates. Some of these issues are raised in the text message addressed firm your attention and sent to Joy, Secretary to the Board on on this past Wednesday, 11/22 at 12.41 PM. For ease of reference we draw your attention to issues regarding BWS bond financing (including Fitch rating documentation), Financial Condition, capital improvement budget and any and all draft proposed bond issues. Of particular pertinence is full disclosure by the Board on matters related to the status of infrastructure

maintenance and accumulated outstanding costs related thereto. For example, within the past three years or so the Board is reported to have set a goal of repairing and maintaining some 25 or so miles of its 200+ miles of its integrated pipeline system. In reality only about 12 miles were maintained and repaired. The following year some 10 miles were identified

for repair and maintenance. In reality only 3 miles or so of repairs and maintenance were accomplished. The accumulated costs of this 'falling behind' are very soon estimated (low balled, some say) to reach a fiscally unhealthy several billion dollars in today's dollars. That escalating debt has implications for more rate increases within the present and longstanding lopsided laddered water rates scaffolding structure. Much more alarming, the serious prospect of debt financing of our increasingly vulnerable integrated water delivery system may well have to be met by increasing property taxes. We raise this question now because it is a **now question**, immediately relevant to your proposed rate increases and to all of the growing number of economically vulnerable people whose home this 600 sq. mile island is. An increasing number of these 'locals' live—to stretch a point—on economic death row, many permanently homeless. Many precariously living barely from one pay check to another one. By implication, there are others who are being asked by you in your proposed rate increase over the next 5 years to subsidize the rich and the powerful of the hotel industry, large industrial users, large shopping centers and the like. Full transparency please.

C. RATES— the dollar and cents figure you set for various categories of customers to whom you provide water from your public integrated supply system are intertwined with requirements of the Federal Safe Drinking Water Act, The precautionary principle, alleged safe thresholds for multiple contaminants in your delivered water (exacerbated by your Navy Red Hill apparently massive contamination of an entire aquifer and more).

Unbelievably you fail to mention these issues of vital concern to large sections of the public. You fail to address the vital public health matter of multiple contaminants in the drinking water you deliver and its differential effect on different cohorts in the human population. A recent news report quotes your Chief Engineer as saying that the BWS is about to sue the Navy for \$1.2 billion without any explanation as to where it is that Mr. Lau got

that figure? Why not, for example a tort based claim for \$102 billion dollars? 'All life depends on Water' you say. Do you really mean that?

2. Although you have a table on p. 25 (of your unpaginated document) called **COMPARING WATER BILLS=AVERAGE WATER USED SINGLE-FAMILY RESIDENTIAL (9,000 GALLONS A MONTH) –THAT TABLE UNDERSCORES THE FACT THAT the future Bills at proposed rates rates will INCREASE the current MONTHLY BILL at \$59.56 TO \$97.80 IN 2028 – A ROUNDED OFF 61% increase – \$38.24 a month over 5 years. There is more to be said about this and many of the other numbers for other categories of customers including the Tourist industry and other categories. No small task to be accomplished in a mere 2 minutes. No full transparency here.**

3. [Jumping ahead for now] Your contextual disclosures are woefully inadequate as this Submittal has highlighted. They do not meet your own criteria for full transparency and disclosure seoul in the May 9 Unified Statement.

For all of the reasons set out above, you should, in the public interest take a graduated approach to increasing rates at this time for no more than the next two years. First increase, therefore, only for the next two years subject to the following conditions (standard of disclosure as set out in the May 9, 2023 Unified Statement):

a. Staff must address its long standing laddered system of rates for delivered potable water by volume;

b. full, independent analysis and disclosure of all contamination issues including, in particular, Red Hill with public hearings;

c. Formally adopt the precautionary principle (already State law) and apply it to multiple contaminants in your water supply system and the impact of those contaminants on different cohorts in all sections of the human population, residents and visitors alike;

d.Full public disclosure of all of the BWS finances including all matters related to bond issues and indebtedness (fully audited) for unfettered public access and review;

e.Full public disclosure on the present state of all segments of the BWS integrated water delivery system, accumulated outstanding costs and projected future costs for infrastructure maintenance and replacement;

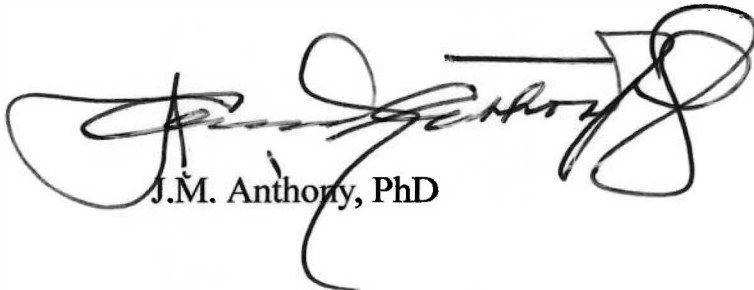
f.Convene public informational hearings on the Red Hill lawsuit against the Navy to keep the public, including the media, fully informed as is possible given the fact that the matters at issue will be pending before a court.

Repeating for emphasisLProvide full transparency and disclosure on how and why the tort damages claimed have been set at \$1.2 billion and not, for example, \$102 Billion. If a study has been done to justify the claimed amount, make that study readily available to all interested members of the public/

Like the Raven in the mythology of the first people of what is now called America, despite the fact that this submittal has not been edited as much as it might deserve to be, it is done for now. More reshaping is to come. More material to be added. We reserve these and other rights.

A signed hard copy of this document will be hand delivered to the Board's office on Beretania Street on Monday, November 27 by mid morning.

Formal initial notice copy to be eMailed, evening of November, 26, 2023.



J.M. Anthony, PhD

BWS.DOC 11232023



Environmental Caucus of The Democratic Party of Hawai'i

November 27, 2023

Via email to board@hbws.org

Mr. NĀ'ĀLEHU ANTHONY, Chair and
Members of the Board of Directors
Board of Water Supply and
Mr. Ernie Lau, P.E., Chief Engineer and Manager

Re: Adoption of Resolution No. 976, 2023, Adopting the Revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service for Fiscal Years 2024 – 2029, Effective From and After February 1, 2024, and to Remain in Effect until Superseded

Aloha Chair Anthony, Members of the Board of Directors, and Mr. Lau:

Thank you very much for your valiant work over recent years to protect Honolulu's drinking water in general, and the Moanalua-Waimalu aquifer in particular from the severe damages caused by the U.S. Navy's longstanding mismanagement of the Red Hill Fuel Storage Facility (Red Hill).

We are all aware, from public statements that representatives of the Honolulu Board of Water Supply (HBWS) have made to the media and at Neighborhood Board meetings, and as confirmed by CRI Committee members, HBWS expects to incur major expenditures of approximately \$1.2 Billion in the next five years to build and operate exploratory and monitoring wells, as well as to "clean up," to the extent possible, this sole-source aquifer and to remediate the immediate soil and groundwater contamination caused by the U.S. Navy's gross and longstanding mismanagement of Red Hill.

In public media, HBWS has stated that it expects to need to increase residential water rates by ten percent or more, pursuant to a tier-system based on water usage, per year for five years and maintain that increased rate indefinitely. Separately, in very recent media announcements, HBWS has stated that it has filed a claim against the U.S. Navy under the Federal Tort Claims Act (FTCA) for \$1.2 Billion to pay for these costs.

The Environmental Caucus of the Democratic Party of Hawaii has 7,500 politically active members, and we take very seriously our responsibility to advocate for environmental protection. We wholeheartedly support the intention of HBWS to remediate and monitor these damages, we respectfully disagree with HBWS's two alternative plans for fundraising for two

fundamental reasons. First, HBWS's apparent initial plan to saddle water users with these costs violates fundamental fairness, which requires that the polluter must pay for these costs.

Second, we are very apprehensive that litigation under the FTCA will immediately result in the federal government responding to these serious financial claims with attorneys who are trained to defend the government despite all of the equities and the policy decisions by the Department of Defense to own up to the federal government's moral responsibility for remediation of the Red Hill disaster. We would expect serious delays and setbacks to take place in any FTCA litigation on these issues, and the risk of an adverse result is ever-present.

Accordingly, we respectfully request that you – at least temporarily – take a very important different initiative to ensure that the overwhelming costs of environmental remediation after the pollution and other damages caused by the U.S. Navy's mismanagement of Red Hill be borne by the federal government, as the Department of Defense has promised. We respectfully ask that you vigorously pursue requests to our Congressional Delegation to use their talents, authority, and powers to ensure that Congress makes the necessary appropriations – starting at \$1.4 Billion.

We in the Environmental Caucus will continue to pursue our own requests to the Hawai'i Congressional Delegation to take all actions that they can to ensure that sufficient appropriations are made by Congress to pay for all of the damages and remediation measures needed and appropriate to restore the aquifer as much as possible to its natural state.

We are also making parallel requests directly to Ms. Meredith Berger, Assistant Secretary of the Navy for Energy, Installations, and Environment, and Mr. Robert Thompson, SES USN ASST. SEC. NAV EIE DC (USA) to support federal executive support for the needed appropriations.

In addition, by copy of this letter to Ms. Amy Miller, Region 9 Director, Enforcement and Compliance Assurance Division, Environmental Protection Agency (EPA), we are hereby also formally asking the EPA to incorporate the remediation actions and costs thereof discussed herein into the EPA's requirements for action by the Navy pursuant to the 2023 Administrative Order on Consent (AOC).

Thank you very much in advance for your anticipated support of our requests. Please maintain close contact with us as we all proceed in this endeavor.

Very truly yours,

Melodie Aduja and Alan B. Burdick, co-chairs
Environmental Caucus

legislativepriorities@gmail.com, burdick808@gmail.com

(808) 258-8889

(808) 927-1500

REGULAR MEETING

APPROVAL OF MINUTES

Approval of the Minutes of the Regular Meeting Held on October 23, 2023.

MOTION TO APPROVE

Edwin Sniffen and Jonathan Kaneshiro motioned and seconded, respectively, to approve the Minutes of the Regular Meeting Held on October 23, 2023.

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

Ms. Cruz-Achiu announced that the motion passed with five ayes and one abstention.

THE MINUTES OF THE REGULAR MEETING HELD ON OCTOBER 23, 2023, WERE APPROVED AT THE NOVEMBER 27, 2023, BOARD MEETING			
	AYE	NO	COMMENT
NĀ'ĀLEHU ANTHONY	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA	X		
JONATHAN KANESHIRO	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO			ABSTAIN

“November 27, 2023

ADOPTION OF
RESOLUTION NO.
976, 2023,
ADOPTING THE
REVISIONS TO
THE SCHEDULE
OF RATES AND
CHARGES FOR
THE FURNISHING
OF WATER AND
WATER SERVICE
FOR FISCAL
YEARS
2024 – 2029,
EFFECTIVE
FROM AND
AFTER
FEBRUARY 1, 2024,
AND TO REMAIN
IN EFFECT UNTIL
SUPERSEDED

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

Chair and Members:

Subject: Adoption of Resolution No. 976, 2023, Adopting the Revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service for Fiscal Years 2024 – 2029, Effective From and After February 1, 2024, and to Remain in Effect until Superseded

We recommend adoption of Resolution No. 976, 2023, relating to the Schedule of Rates and Charges for the Furnishing of Water and Water Service (“Schedule”) for Fiscal Years (FY) 2024 – 2029, effective February 1, 2024 and to remain in effect until superseded.

In summary, the proposed rates and charges, as reflected in the proposed Schedule:

- Updates the monthly Customer Charges and Quantity Charges for all customer classes.
- Proposes waiving the installation fee and Water System Facility Charges for new farmers to support food sustainability.

Community information meetings to consider the revisions were held on August 14, August 15, August 16, and August 23, 2023. Twenty-one neighborhood board presentations were also made over the past several months. A public hearing, before a quorum of the Board, is being held on November 27, 2023, prior to adoption of the revisions. The affidavit attesting to the publication of the public hearing notice is attached.

We recommend the adoption of Resolution No. 976, 2023, relating to the Schedule of Rates and Charges for the Furnishing of Water and Water Service.

Respectfully Submitted,

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

Attachment”

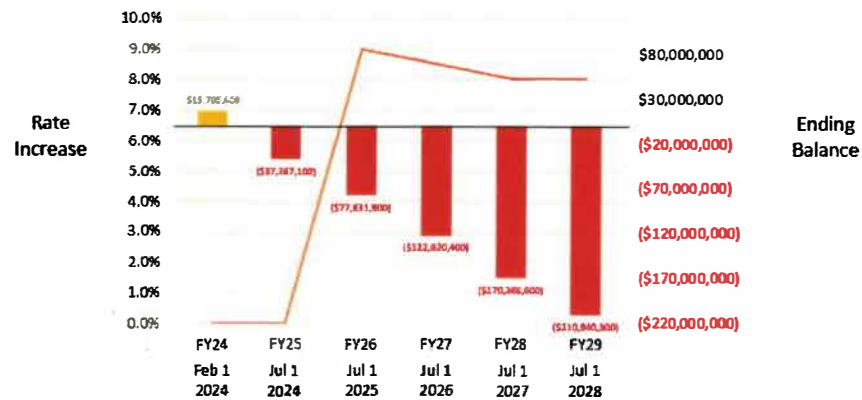
DISCUSSION: Ernest Lau, Manager and Chief Engineer, gave the report.

Board Member Edwin Sniffen asked about the public outreach done for the proposed rates.

Ms. Kathleen Elliott-Pahinui stated that the BWS held various hybrid meetings. The BWS held four public meetings around the island and met with 21 neighborhood boards. The BWS also sent the “Water Matters” publication to all account holders, and articles regarding the rates were published in the Star Advertiser and Civil Beat.

Board Member Sniffen asked about the slide that illustrated delaying the rate increase and what would happen to the BWS ending fund balance.

CONSIDERATION OF HOLDING OFF THE 2024 INCREASES



Manager Lau explained that the yellow bar indicates the ending fund balance for Fiscal Year (FY) 2024, which is \$15M, translating to 26 days of working capital. The operating cost for the BWS water system island-wide is around \$450,000 per day. He explained that the working capital fund is an emergency fund for response and recovery. An example of how the working capital fund works is if there were a major disaster, our customers may not have the ability to pay; therefore, the BWS would likely need to suspend billing but would still be required to provide service and operate daily.

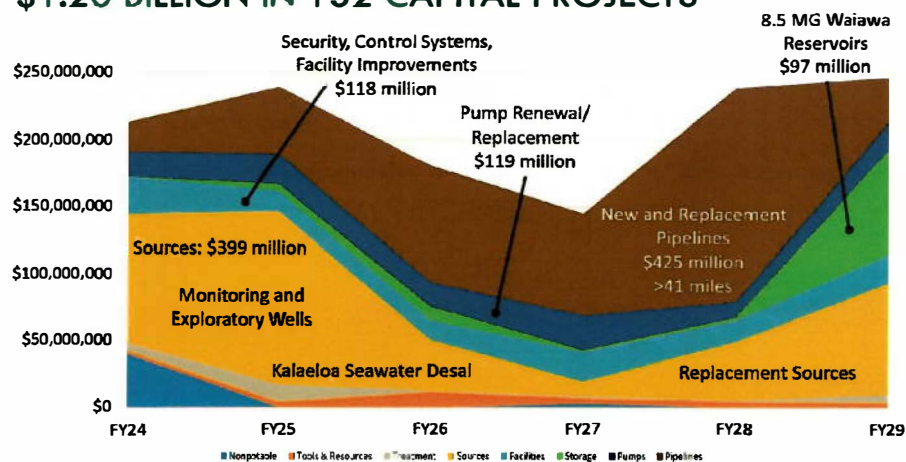
Ms. Raelynn Nakabayashi, Executive Assistant I, Executive Support Office, explained that the orange line indicates the rate increase percentage. If the BWS does not implement the rate increase on February 1, 2024, the BWS will have only \$15M unreserved and unencumbered money by June 30, 2024. Deferring the rate increase would require the BWS to cut the Fiscal Year 2024 and 2025 budgets significantly, and the BWS would still be spending down any money in the bank to zero. She explained that the red bars represent the BWS’s financial projections of its fund balance if the rate increase was delayed until July 1, 2025. The BWS would need to make significant budget cuts to the CIP and the operations and maintenance year over year.

Board Member Sniffen inquired if deferring the rate increase would cause the BWS to go into the red within the first two months of deferral.

Ms. Nakabayashi confirmed the BWS would need to cut the operations and CIP budget by the amount equivalent to 60 to 70 days of operations.

Board Member Sniffen commented that the CIP includes repairing and replacing 41 miles of pipeline within the next five-and-a-half years. He asked if pipelines are not repaired or replaced and what the impacts are to the water system service and the public.

WHAT THE RATE INCREASES WILL PAY FOR \$1.26 BILLION IN 132 CAPITAL PROJECTS



Manager Lau replied that the number of main breaks around the island would increase. The BWS uses metallic pipe; however, the BWS pipelines are affected by age, corrosion, and erosion. He stated that deferring the rate increase would affect the pipeline renewal and replacement program by up to \$425M. The BWS would have to prioritize, and source capacity projects would take precedence over pipeline replacement. If there was a main break, repairing or replacing could take an extended period and would ultimately cause greater inconvenience the public.

Board Member Sniffen commented that the proposed schedule includes one-third of pump renewal and replacement.

Manager Lau agreed with Board Member Sniffen’s comment and stated that the rate increase would provide \$1.26 billion (B) for 132 capital projects.

Chair Anthony stated that main breaks disrupt the water service, our roads, and the public. How critical is the BWS infrastructure?

Ms. Nakabayashi stated that the BWS operates 24 hours a day, seven days a week, 365 days a year. If the rate increase is deferred, the BWS

would need to look at cutting the budget from each division to make up for 60 to 70 days each year of what it cost to operate. If there were a crisis threatening public health, it would make it challenging to balance the budget and maintain operations. However, the BWS would be required to address any threat or crisis. Ms. Nakabayashi shared that the BWS held its budget flat by trimming 10% to 15% each year between 2018 and 2023 in the face of inflation.

Manager Lau added that if the Board decided to defer the rate proposal, the rate increase would become much greater than the 10% proposed in the later years, and the filling of vacancies could be suspended.

Vice Chair Kapua Sproat expressed her appreciation for the leadership at the BWS, the testifiers, and everyone in attendance. She shared that the BWS tightened its belt, considered the ratepayer's concerns, and extensively discussed the rate schedule. Vice Chair Sproat reassured the public that the BWS takes the contamination of Oahu's water seriously and will be pursuing full reimbursement from the Navy. However, the BWS must continue to provide safe and dependable water. Therefore, will be voting in support of the proposed rate increase.

**MOTION
TO APPROVE**

Edwin Sniffen and Jonathan Kaneshiro motioned and seconded, respectively, to approve the Adoption of Resolution No. 976, 2023, Adopting the Revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service for Fiscal Years 2024-2029, Effective From and After February 1, 2024, and to Remain in Effect until Superseded.

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

Ms. Cruz-Achiu announced that the motion passed with five ayes and one abstention.

ADOPTION OF RESOLUTION NO. 976, 2023, ADOPTING THE REVISION TO THE SCHEDULE OF RATES AND CHARGES FOR THE FURNISHING OF WATER AND WATER SERVICE FOR FISCAL YEARS 2024-2029, EFFECTIVE FROM AND AFTER FEBRUARY 1, 2024, AND TO REMAIN IN EFFECT UNTIL SUPERSEDED WAS ADOPTED ON NOVEMBER 27, 2023			
	AYE	NO	COMMENT
NĀ'ĀALEHU ANTHONY	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA	X		
JONATHAN KANESHIRO	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO			ABSTAIN

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 976, 2023

ADOPTING THE REVISIONS TO THE SCHEDULE OF RATES AND CHARGES
FOR THE FURNISHING OF WATER AND WATER SERVICE FOR
FISCAL YEARS 2024 – 2029, EFFECTIVE FROM AND AFTER FEBRUARY 1, 2024, AND
TO REMAIN IN EFFECT UNTIL SUPERSEDED

WHEREAS, the mission of the Board of Water Supply is to provide safe, dependable, and affordable water now and into the future; and

WHEREAS, pursuant to the Revised Charter of Honolulu Section 7-109, the Board has the power to fix and adjust reasonable rates and charges for the furnishing of water and for water services; and

WHEREAS, a five-year cost of service and rate study was completed to determine the necessary revenue adjustments to support the operations of the Board of Water Supply; and

WHEREAS, inflation and the cost of capital improvements have increased more rapidly than the revenues generated by the Board of Water Supply's previous Schedule of Rates and Charges for the Furnishing of Water and Water Service, necessitating an increase in rates and charges; and

WHEREAS, the Board of Water Supply needs to increase monitoring and develop new water sources in the light of the fuel leak at the Red Hill Bulk Fuel Storage Facility; and

WHEREAS, the Board of Water Supply seeks to increase its annual replacement of pipeline to 21 miles per year to adequately maintain its distribution system; and

WHEREAS, the Board of Water Supply recognizes the importance of affordable water to meet essential household needs; and

WHEREAS, the Board of Water Supply recognizes the benefits of a viable local agricultural industry on Oahu and the importance of an affordable supply of water for that industry; and

WHEREAS, the Board of Water Supply recognizes the benefit of encouraging the use of recycled and non-potable water resources as a way to manage and sustain the potable water resources on Oahu;

WHEREAS, the foregoing issues and priorities culminated in proposed revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service ("Proposed Revisions");

WHEREAS, all customers were notified of the Proposed Revisions and opportunities to obtain additional information, along with instructions to submit comments, through mailed

"Water Matters" billing inserts and the Board of Water Supply website beginning in September 2023;

WHEREAS, four community information meetings were held by the Board of Water Supply on August 14, 2023, August 15, 2023, August 16, 2023, and August 23, 2023 in Kāne'ohe, Mō'ili'ili, Kapolei and Mililani, respectively, the purpose of informing the public of the proposed revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service; and

WHEREAS, on November 27, 2023, pursuant to the Revised Charter of Honolulu Section 7-110, after publication of notice of Public Hearing on October 27 and 29, a Public Hearing was held by the Board of Water Supply for the purpose of considering proposed revisions to the Schedule of Rates and Charges for the Furnishing of Water and Water Service; and

WHEREAS, testimonies (i) presented at the foregoing meetings and Public Hearing and (ii) received in writing through November 27, 2023 on the Proposed Revisions were given due consideration and incorporated as appropriate; and

WHEREAS, the Board of Water Supply met with a Stakeholder Advisory Group and a Commercial Stakeholder Advisory Group multiple times in 2023 to solicit feedback and gather input on the Proposed Revisions; now, therefore,

BE IT RESOLVED that the Board of Water Supply understands and acknowledges that adoption of the Proposed Revisions may result in the temporary deviation from the financial policies adopted by Resolution 873, 2017, establishing a target minimum of 60 days working capital cash on hand. The Board of Water Supply nonetheless recognizes that the reserve of working capital was designated for the purpose of addressing economic and revenue downturns and emergency situations, such that the reserve of working capital would be accessed when required to ensure continued operations and capital expenditures; and

BE IT FINALLY RESOLVED by the Board of Water Supply, City and County of Honolulu, that in support of these objectives and the mission of the Board of Water Supply, the Revised Schedule of Rates and Charges for Fiscal Years 2024 – 2029 is adopted as attached hereto, and that said rates and charges shall become effective from and after February 1, 2024, and shall remain in effect until superseded.

ADOPTED:


NĀ'ĀLEHU ANTHONY
Chair

Honolulu, Hawai'i
November 27, 2023

ADOPTION OF RESOLUTION NO. 976, 2023, ADOPTING THE REVISION TO THE SCHEDULE OF RATES AND CHARGES FOR THE FURNISHING OF WATER AND WATER SERVICE FOR FISCAL YEARS 2024-2029, EFFECTIVE FEBRUARY 1, 2024, THROUGH JUNE 30, 2029, AND TO REMAIN IN EFFECT UNTIL SUPERSEDED WAS ADOPTED ON NOVEMBER 27, 2023			
	AYE	NO	COMMENT
NA'ALEHU ANTHONY	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA	X		
JONATHAN KANESHIRO	X		
EDWIN H. SNIFFEN	X		
GENE C. ALBANO			ABSTAIN

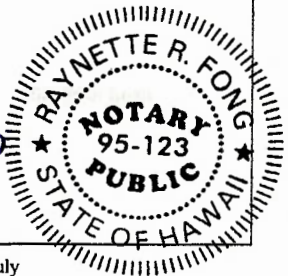
AFFIDAVIT OF PUBLICATION

IN THE MATTER OF
NOTICE OF PUBLIC HEARING

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

Doc. Date: <u>undated</u>	# Pages: <u>-2-</u>
Notary Name: <u>Raynette R. Fong</u>	<u>First</u> Circuit
Doc. Description: <u>Affidavit of Publication</u>	
<u>Raynette R. Fong</u> Notary Signature	<u>10/31/23</u> Date



Kimberly Masu being duly sworn, deposes and says that she is a clerk, duly authorized to execute this affidavit of Oahu Publications, Inc. publisher of The Honolulu Star-Advertiser, MidWeek, The Garden Island, West Hawaii Today, and Hawaii Tribune-Herald, that said newspapers are newspapers of general circulation in the State of Hawaii, and that the attached notice is true notice as was published in the

Honolulu Star-Advertiser 2 times on:
 10/27, 10/29/2023

MidWeek 0 times on:

The Garden Island 0 times on:

Hawaii Tribune-Herald 0 times on:

West Hawaii Today 0 times on:

Other Publications: 0 times on:

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

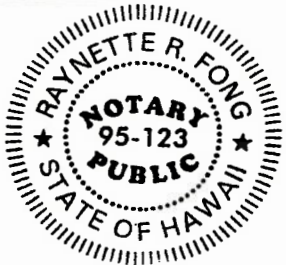
Kimberly Masu
Kimberly Masu

Subscribed to and sworn before me this 31st day of October A.D. 2023

Raynette R. Fong
Notary Public of the First Judicial Circuit, State of Hawaii
My commission expires:

Ad # 0001430661

Raynette R. Fong
Notary Public, State of Hawaii
My Commission Expires: 03/24/2027



ICSP.NO.: _____

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that the BOARD OF WATER SUPPLY, CITY AND COUNTY OF HONOLULU, will hold a PUBLIC HEARING in the Board Room, Public Service Building, 630 South Beretania Street, Honolulu, HI 96843, on **MONDAY, NOVEMBER 27, 2023, at 2:00 p.m.**, or soon thereafter where all interested persons shall be afforded the opportunity of being heard on the adoption of the Proposed Amendment to the Schedule of Rates and Charges of the Board of Water Supply for Fiscal Years (FY) 2024 through 2029. Effective February 1, 2024 through June 30, 2029 to Remain in Effect Until Superseded by a Revision to the Schedule of Rates and Charges.

Limited seating will be available in the Board Room for testifiers or those wishing to attend the meeting in person. The public may also view the livestream of the meeting online at www.boardofwatersupply.com/live.

TESTIMONY MAY BE SUBMITTED AS FOLLOWS:

Written testimony should include the submitter's address, email address, and phone number. Testimony must be received by Monday, November 27, 2023, at noon. Submit written testimony by:

- Email to board@hws.org
- Online at boardofwatersupply.com/testimony
- Mail or hand deliver to Board of Water Supply, 630 S. Beretania Street, Honolulu, HI 96843
- Fax to (808) 748-3079

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 also should consider submitting a written version of their oral testimony. 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.

- To testify remotely using the Zoom videoconferencing platform, please submit your request by email to board@hws.org or online at boardofwatersupply.com/testimony. Zoom registration instructions, as well as participant guidelines, will be sent to the contact information provided. Once confirmed as registered, testifiers will receive an email containing the links and instructions to join the Zoom session. Submit your request to testify remotely by Friday, November 24, 2023, at noon.
- To testify in person at the meeting, please pre-register by submitting your request by Monday, November 27, 2023, by email to board@hws.org or 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.

MATERIALS AVAILABLE FOR INSPECTION

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

VIEWING THE MEETING

The meeting will be viewable via livestreaming 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 leads to the default setting.

SPECIAL REQUESTS AND ACCOMMODATIONS

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

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

BOARD OF WATER SUPPLY, CITY AND COUNTY OF HONOLULU SCHEDULE OF RATES AND CHARGES FOR THE FURNISHING OF WATER AND WATER SERVICE

Customer Charge: There is a charge for each month service is provided based on the meter size, effective as follows:

Meter Size	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
1/2" or 3/4"	\$13.30	\$14.63	\$16.95	\$17.30	\$18.68	\$20.18
1"	\$16.61	\$18.49	\$20.15	\$21.87	\$23.62	\$25.50
1.5"	\$19.15	\$21.07	\$22.96	\$24.91	\$26.91	\$29.06
2"	\$47.80	\$52.57	\$57.31	\$62.16	\$67.15	\$72.52
3"	\$98.91	\$64.80	\$70.63	\$76.63	\$82.76	\$89.38
4"	\$112.11	\$123.32	\$134.42	\$145.85	\$157.52	\$170.12
6"	\$199.80	\$219.76	\$239.56	\$259.93	\$280.72	\$303.18
8"	\$304.88	\$334.50	\$365.05	\$396.07	\$427.76	\$461.98
12"	\$658.38	\$724.22	\$783.40	\$846.50	\$913.02	\$983.02

Quantity Charge: In addition to the Customer Charge, there is a charge for all water used rounded down to the nearest 1,000 gallons (1-k-gal), effective as follows:

Category	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Single-Family Residential (Monthly per dwelling unit)						
Tier 1 Essential Needs: First 2,000 gallons	\$4.57	\$4.69	\$4.80	\$4.92	\$5.05	\$5.17
Tier 2: 2,001 - 5,000 gallons	\$5.78	\$6.35	\$6.92	\$7.51	\$8.11	\$8.76
Tier 3: 5,001 - 10,000 gallons	\$6.53	\$7.34	\$8.15	\$8.98	\$9.82	\$10.74
Tier 4: Over 10,000 gallons	\$10.95	\$12.32	\$13.87	\$15.06	\$16.48	\$18.02
Multi-Unit Residential (Monthly per dwelling unit)						
Tier 1 Essential Needs: First 2,000 gallons	\$3.86	\$3.98	\$4.08	\$4.18	\$4.27	\$4.37
Tier 2: 2,001 - 4,000 gallons	\$4.87	\$5.36	\$5.84	\$6.34	\$6.85	\$7.39
Tier 3: 4,001 - 10,000 gallons	\$5.70	\$6.52	\$7.33	\$8.15	\$9.01	\$9.93
Tier 4: Over 10,000 gallons	\$7.21	\$8.25	\$9.27	\$10.33	\$11.40	\$12.57
Non-Residential						
All Usage	\$5.80	\$6.38	\$6.95	\$7.54	\$8.14	\$8.80
Agricultural (Monthly per account)						
Tier 1 Essential Needs: First 2,000 gallons	\$4.57	\$4.69	\$4.80	\$4.92	\$5.05	\$5.17
Tier 2: 2,001 - 5,000 gallons	\$5.78	\$6.35	\$6.92	\$7.51	\$8.11	\$8.76
Tier 3: Over 5,000 gallons	\$2.33	\$2.57	\$2.81	\$3.05	\$3.29	\$3.56
Non-Farm/Non-Dwelling						
All Usage	\$3.19	\$3.51	\$3.82	\$4.15	\$4.48	\$4.84
Recycled Water R-1 (Gall)						
All Usage	\$0.72	\$0.79	\$0.86	\$0.93	\$1.00	\$1.06
Recycled Water R-1 (Other)						
All Usage	\$2.16	\$2.27	\$2.39	\$2.80	\$3.03	\$3.27
Reverse Osmosis (RO)						
All Usage	\$7.00	\$7.70	\$8.39	\$9.10	\$9.83	\$10.62

Fire Meter Standby Charge: For those receiving private fire service, there is an additional fire meter standby charge billed monthly based on the size of the fire meter effective as follows:

Fire Meter Size	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
2" and smaller	\$6.79	\$9.67	\$10.54	\$11.43	\$12.35	\$13.34
3"	\$11.32	\$12.45	\$13.57	\$14.73	\$15.90	\$17.18
4"	\$15.85	\$17.22	\$18.77	\$20.36	\$21.99	\$23.75
6"	\$31.28	\$34.41	\$37.51	\$40.70	\$43.95	\$47.47
8"	\$58.23	\$64.06	\$69.82	\$75.76	\$81.82	\$88.36

Customer Class Definitions

Potable Water means all water that meets State Department of Health Drinking Water Standards. For all customers, all potable water used for irrigation will be billed in accordance with the primary usage of the property. Potable water customers are divided into the following classes:

Residential: Single-family residential refers to single-family and duplex residences. Multi-Unit refers to multi-unit residences including apartments, condominiums and townhouses. Low-rise constitutes up to three stories in height. High-rise constitutes higher than three stories in height.

Agricultural: refers to a parcel devoted to agricultural activities. To qualify for Agricultural Quantity Charges, a customer must submit a written application to the Board of Water Supply and furnish satisfactory proof that they are engaged in agriculture on a commercial basis. Only one dwelling unit will be allowed on a meter qualifying for the agricultural quantity charges. To continue to qualify, the application must be renewed each fiscal year.

Non-Residential: refers to any property not used for residential or agricultural purposes. To determine appropriate quantity charges, combinations of residential and non-residential may require separate meters for each use, e.g., separate residential and non-residential meters.

Non-Potable/Other

- R-1 Recycled Water
- R-1 Recycled water is recycled wastewater that meets State Department of Health Reuse Guidelines.
- R-1 (Gall) are those customers that receive R-1 water used primarily for golf course irrigation.
- R-1 (Other) are those customers that receive R-1 recycled water for uses other than golf course irrigation.
- Reverse Osmosis (RO) Demineralized Water is recycled wastewater that has been demineralized through reverse osmosis.

The R-1 (Gall), R-1 (Other) and RO Customer and Quantity Charges shall not operate existing or individually negotiated charges unless expressly identified in the contract.

Fire Meter Standby Charge: For readiness to serve, applies to services used exclusively for private fire protection purposes, including automatic fire sprinkler systems connected to the alarm systems, fire hydrants, and well-heads. These meters must be protected against theft and tampering or service of water. No connections or usage of water for other than fire-fighting and system testing purposes is allowed. In addition, for fire protection related water use, such usage will be billed at the highest quantity charge in effect at that time. For any such misuse or leakage, the Customer shall be subject to penalty pursuant to Chapter 1, Article 3, Section 1-3.1 of the Revised Ordinances of Honolulu. Except for misuse and non-fire protection related uses as described above, there are no quantity charges associated with these services.

Continued in the next column.

Standby Charge: A Standby Charge will be negotiated by the Manager and Chief Engineer with each private water system contracting for interconnection service. Such service shall be provided only during emergency or temporary service outages with the intent to protect against interrupted water service supporting normal private system requirements. Water used shall be charged at the applicable quantity rate for each thousand gallons. Approval of activation and duration is contingent upon impacts to BWS customers' level of service and BWS's ability to meet Water System Standards requirements. Activation of service will require a written request submitted to the Manager and Chief Engineer at least 48 hours before service is required, unless waived by the Manager and Chief Engineer.

Water service shall be provided in accordance with Board of Water Supply Rules and Regulations Section 1-101 Availability of Water which requires that "the Department have sufficient pressure and water supply available for domestic use and fire protection and can assume new or additional service without detriment to those presently being served."

Power Cost Adjustment: When total power, or electricity, costs to the Board of Water Supply exceed the amount used in calculating the annual Schedule of Rates and Charges, then the Quantity Charge may be increased \$0.01 per 1,000 gallons for every \$500,000 incremental power cost increase in the following fiscal year.

Environmental Regulations Compliance Fee Based Adjustment: The Quantity Charge may be increased \$0.01 per 1,000 gallons for each \$500,000 of additional costs that the Board of Water Supply is required to incur in order to comply with any Federal or State environmental laws or regulations.

Waiver of Water System Facilities Charge for Qualified Affordable and Homeless Dwelling Units: The Board of Water Supply may waive the Water System Facilities Charge and new meter cost for qualified on-site affordable and homeless dwelling units, up to 300 dwelling units per project. The waivers will be granted when the building permit is submitted for approval. To qualify, the dwelling units must be certified as either affordable or homeless dwelling units by the appropriate agency of the City and County of Honolulu. Waiver of the Water System Facilities Charge will apply only to fixture units associated with the certified dwelling units. The amount of the meter waiver shall be calculated as a percentage of the number of certified dwelling units to the total number of dwelling units in the project. If the annual cap of 300 dwelling units has not been reached and a project is proposed that would qualify for more than the year's limit, the waiver will be applied in that year, the Manager and Chief Engineer has the discretion to increase that year's limit.

Waiver of Meter Charges for Residential Fire Sprinkler Retrofits: The Board of Water Supply may waive the new meter charges for high-rise multi-unit residential fire sprinkler retrofits.

Waiver of Water System Facilities Charge for New Farmers: The Board of Water Supply may waive the Water System Facilities Charge and new meter cost for qualified new farmers needing a 1/2" or 1-inch water meter and connecting to the BWS system for the first time. A new farmer is defined as any entity starting up a new agricultural enterprise that will be actively growing crops and/or raising livestock for food purposes, or dairy farming on a commercial basis, that does not already have a meter on the BWS system for the purpose of farming. Existing farming operations and expansion of existing operations do not qualify. The BWS will have full discretion whether what is being grown or raised is for food or other purposes. The new water meter serving the agricultural operation shall only serve the farm and up to one residential dwelling. The entity must be a registered Hawaii farm business and have OSE license. The program will require a written farm irrigation plan and install a BWS-approved backflow preventer at its own cost. The program will expire when the waivers granted by BWS have reached \$1 million, unless otherwise extended prior to that time. The waiver will be revoked and the installation fee and Water System Facilities Charge will become immediately due and payable if: (a) commercial agricultural operations are not maintained for at least 5 years, or (b) other violations are identified and not rectified within a specified timeline mandated by the BWS.



Honolulu Board of Water Supply
630 S. Beretania St. • Honolulu, HI 96843
(808) 748-5041 • contactus@hws.org
www.boardofwatersupply.com/waterratelists

Revision to the Schedule of Rates and Charges for the Furnishing of Water and Water Service

Amended by Resolution No. 976,2023, effective from and after February 1, 2024, and to remain in effect until superseded.

Customer Charge

There is a customer charge for each month service is provided based on the meter size, effective as follows:

Meter Size	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
5/8" or 3/4"	13.30	14.63	15.95	17.30	18.68	20.18
1"	16.81	18.49	20.15	21.87	23.62	25.50
1.5"	19.15	21.07	22.96	24.91	26.91	29.06
2"	47.80	52.57	57.31	62.18	67.15	72.52
3"	58.91	64.80	70.63	76.63	82.76	89.38
4"	112.11	123.32	134.42	145.85	157.52	170.12
6"	199.80	219.78	239.56	259.93	280.72	303.18
8"	304.46	334.90	365.05	396.07	427.76	461.98
12"	658.38	724.22	789.40	856.50	925.02	999.02

Quantity Charge

In addition to the Customer Charge, there is a charge for all water used, rounded down to the nearest 1,000 gallons (k-gal), effective as follows:

Single-Family Residential (Monthly per dwelling unit)	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Tier 1: Essential Needs First 2,000 gallons	\$4.57	\$4.69	\$4.80	\$4.92	\$5.05	\$5.17
Tier 2 2,001 – 6,000 gallons	\$5.78	\$6.35	\$6.92	\$7.51	\$8.11	\$8.76
Tier 3 6,001 – 30,000 gallons	\$6.53	\$7.34	\$8.15	\$8.98	\$9.82	\$10.74
Tier 4 Over 30,000 gallons	\$10.95	\$12.32	\$13.67	\$15.06	\$16.48	\$18.02
Multi-Unit Residential (Monthly per dwelling unit)	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Tier 1: Essential Needs First 2,000 gallons	\$3.86	\$3.96	\$4.06	\$4.16	\$4.27	\$4.37
Tier 2 2,001 – 4,000 gallons	\$4.87	\$5.36	\$5.84	\$6.34	\$6.85	\$7.39
Tier 3 4,001 – 10,000 gallons	\$5.70	\$6.52	\$7.33	\$8.16	\$9.01	\$9.93
Tier 4 Over 10,000 gallons	\$7.21	\$8.25	\$9.27	\$10.33	\$11.40	\$12.57

Non-Residential	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
All Usage	\$5.80	\$6.38	\$6.95	\$7.54	\$8.14	\$8.80
Agricultural (Monthly per account)	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Tier 1: Essential Needs First 2,000 gallons	\$4.57	\$4.69	\$4.80	\$4.92	\$5.05	\$5.17
Tier 2 2,001 – 6,000 gallons	\$5.78	\$6.35	\$6.92	\$7.51	\$8.11	\$8.76
Tier 3 Over 6,000 gallons	\$2.33	\$2.57	\$2.81	\$3.05	\$3.29	\$3.56
Non-Potable/Brackish	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
All Usage	\$3.19	\$3.51	\$3.82	\$4.15	\$4.48	\$4.84
Recycled Water						
R-1 Golf	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
All Usage	\$0.72	\$0.79	\$0.86	\$0.93	\$1.00	\$1.08
R-1 Other	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
All Usage	\$2.16	\$2.37	\$2.59	\$2.80	\$3.03	\$3.27
Reverse Osmosis (RO)	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
All Usage	\$7.00	\$7.70	\$8.39	\$9.10	\$9.83	\$10.62

Fire Meter Standby Charge

For those receiving private fire service, there is an additional fire meter standby charge billed monthly based on the size of the fire meter effective as follows:

Fire Meter Size	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
2" and smaller	\$8.79	\$9.67	\$10.54	\$11.43	\$12.35	\$13.34
3"	\$11.32	\$12.45	\$13.57	\$14.73	\$15.90	\$17.18
4"	\$15.65	\$17.22	\$18.77	\$20.36	\$21.99	\$23.75
6"	\$31.28	\$34.41	\$37.51	\$40.70	\$43.95	\$47.47
8"	\$58.23	\$64.06	\$69.82	\$75.76	\$81.82	\$88.36

Customer Class Definitions

Potable Water means all water that meets State Department of Health Drinking Water Standards. For all customers, all potable water used for irrigation will be billed in accordance with the primary usage of the property. Potable water customers are divided into the following classes:

Residential

Single-family residential refers to single-family and duplex residences.

Multi-Unit refers to multi-unit residences including apartments, condominiums and townhouses. Low-rise constitutes up to three stories in height. High-rise refers to higher than three living stories.

Agricultural

Agricultural refers to a parcel devoted to agricultural activities. To qualify for Agricultural Quantity Charges, a customer must submit a written application to the Board of Water Supply and furnish satisfactory proof that they are engaged in agriculture on a commercial basis. Only one dwelling unit will be allowed on a meter qualifying for the agricultural quantity charges. To continue to qualify, the application must be renewed each fiscal year.

Non-Residential

Non-residential refers to any property not used for residential or agricultural purposes. To determine appropriate quantity charges, combinations of residential and non-residential may require separate meters for each use; e.g. separate residential and non-residential meters.

Non-Potable Water means all water that does not meet State Department of Health Drinking Water Standards. It is divided into the following classes:

Non-Potable/ Brackish

Customers that receive non-potable/ brackish water.

R-1 Recycled Water

R-1 recycled water is recycled wastewater that meets State Department of Health Reuse Guidelines.

R-1 Golf are those customers that receive R-1 water used primarily for golf course irrigation.

R-1 Other are those customers that receive R-1 recycled water for uses other than golf course irrigation

Reverse Osmosis (RO) Demineralized Water

RO water is recycled wastewater that has been demineralized through reverse osmosis.

The R-1 Golf, R-1 Other and RO Customer and Quantity Charges shall not supersede existing or individually negotiated charges unless expressly identified in the contract.

Fire Meter Standby Charge

The Fire Meter Standby Charge, for readiness to serve, applies to services used exclusively for private fire protection purposes, including automatic fire sprinkler services connected to the alarm systems, fire hydrants, and wet standpipes. These must be protected against theft and leakage or waste of water. No connections or usage of water for other than fire-fighting and system testing purposes is allowed. In addition, for any misuse or non-fire protection related water use, such usage will be billed at twice the highest quantity charge in effect at that time. For any such misuse or leakage, the Customer shall be subject to penalty pursuant to Chapter 1, Article 3, Section 1-3.1 of the Revised Ordinances of Honolulu. Except for misuse and non-fire protection related use as described above, there are no quantity charges associated with these services.

Standby Charge: A Standby Charge will be negotiated by the Manager and Chief Engineer with each private water system contracting for interconnection service. Such service shall be provided only during emergency or temporary service outages with the intent to protect against interrupted water service supporting normal private system requirements. Water used shall be charged at the applicable quantity rate for each thousand gallons. Approval of activation and duration is contingent upon impacts to BWS customers' level of service and BWS's ability to meet Water System Standards requirements. Activation of service will require a written request submitted to the Manager and Chief Engineer at least 48 hours before service is required, unless waived by the Manager and Chief Engineer.

Water service shall be provided in accordance with Board of Water Supply Rules and Regulations Section 1-101 Availability of Water which requires that “the Department have sufficient pressure and water supply available for domestic use and fire protection and can assume new or additional service without detriment to those presently being served.”

Power Cost Adjustment: When total power, or electricity, costs to the Board of Water Supply exceed the amount used in calculating the annual Schedule of Rates and Charges, then the Quantity Charge may be increased \$0.01 per 1,000 gallons for every \$500,000 incremental power cost overage in the following fiscal year.

Environmental Regulations Compliance Fee Cost Adjustment: The Quantity Charge may be increased \$0.01 per 1,000 gallons for each \$500,000 of additional costs that the Board of Water Supply is required to incur in order to comply with any Federal or State environmental laws or regulations.

Waiver of Water System Facilities Charge for Qualified Affordable and Homeless Dwelling Units

The Board of Water Supply may waive the Water Systems Facilities Charges and new meter cost for qualified on-site affordable and homeless dwelling units, up to 500 dwelling units per year. The waivers will be granted when the building permit is submitted for approval. To qualify, the dwelling units must be certified as either affordable or homeless dwelling units by the appropriate agency of the City and County of Honolulu. Waiver of the Water System Facilities Charge will apply only to fixture units associated with the certified dwelling units. The amount of the meter waiver shall be calculated as a percentage of the number of certified dwelling units to the total number of dwelling units in the project. If the annual cap of 500 dwelling units has not been reached and a project is proposed that would qualify for more than the remaining number of dwelling units in that year, the Manager and Chief Engineer has the discretion to increase that year’s limit.

Waiver of Meter Charges for Residential Fire Sprinkler Retrofits

The Board of Water Supply may waive the new meter charges for high rise multi-unit residential fire sprinkler retrofits.

Waiver of Water System Facilities Charge for New Farmers

The Board of Water Supply may waive the Water Systems Facilities Charges and new meter cost for qualified new farmers needing a ¾- or 1-inch water meter and connecting to the BWS system for the first time. A new farmer is defined as any entity starting up a new agricultural enterprise that will be actively growing crops and/or raising livestock for food purposes, or dairy farming on a commercial basis, that does not already have a meter on the BWS system for the purpose of farming. Existing farming operations and expansion of existing operations do not qualify. The BWS will have full discretion whether what is being grown or raised is for food or other purposes. The new water meter serving the agricultural operation shall only serve the farm and up to one residence / dwelling. The entity must be a registered Hawai’i farm business and have GET license. The entity must provide a written farm irrigation plan and install a BWS-approved backflow preventer at its own cost. This program will expire when the waivers granted by BWS have reached \$1 million, unless otherwise extended prior to that time. The waiver will be revoked and the installation fee and Water System Facilities Charge will become immediately due and payable if: (a) commercial agricultural operations are not maintained for at least 5 years, or (b) other violations are identified and not rectified within a specified timeline mandated by the BWS.

ITEM FOR INFORMATION NO. 1

“November 27, 2023

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, Hawaii 96843

Chair and Members:

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

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

Respectfully Submitted,

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

Attachment”

The foregoing was for information only.

DISCUSSION:

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

There was in-person testimony:

Susan Pcola-Davis	<i>Shared a poster board that displayed information from the Joint Base Pearl Harbor Safe Waters website and the exceedances for TPH-d and TPH-o. She also provided a 20-page attachment.</i>
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Ms. Susan Pcola-Davis asked if anyone knew why there were fire hydrants with TPH detections.

Manager Lau replied he couldn’t explain but speculated that the fire hydrants are connected to the Navy’s water distribution system.

Board Member Anthony asked Ms. Pcola-Davis if the charts in the middle in yellow indicated TPH detections in the water monitoring wells.

Ms. Pcola-Davis pointed to the Groundwater Monitoring Data All Exceedance chart.

There was remote testimony:

Jamie Simic	<i>Shared of health issues affecting people in other locations across the island. She asked for everyone to continue to hold the Navy accountable.</i>
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Manager Lau requested that Ms. Jamie Simic send specific locations where people are affected by water.

At 4:09 PM, Chair Anthony recessed the meeting.

At 4:16 PM, Chair Anthony called the meeting back to order.



NOVEMBER 2023 RED HILL UPDATES

November 27, 2023
boardofwatersupply.com

RECENT EVENTS



Photo source: Joint Task Force –Red Hill



- 10/16: Defueling of Red Hill
- 10/23: Joint Task Force –Red Hill Attended BWS Board Meeting
- 10/24: Defueling Information Sharing Forum
- 11/1: Mini Well Workshop
- 11/14: Defueling Plan Supplement 3
- 11/15: Fuel Tank Advisory Committee Meeting
- 11/16: Community Representation Initiative Group Meeting

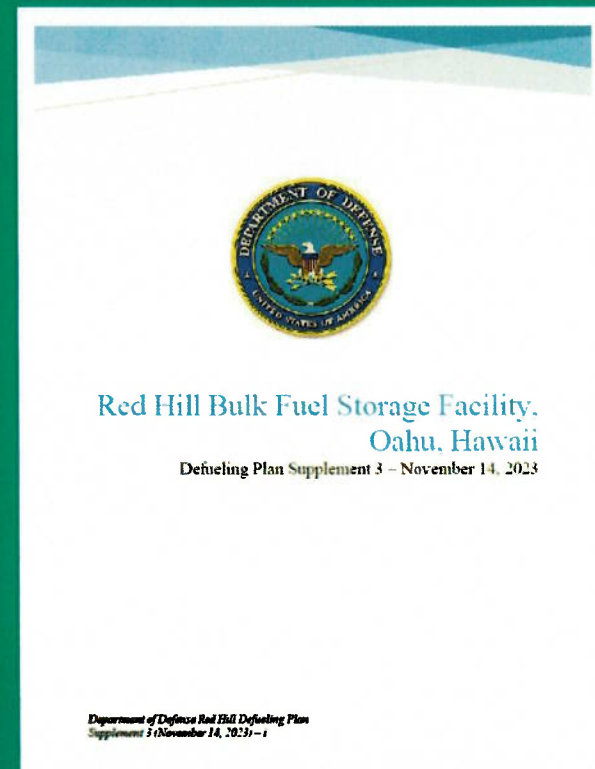


DEFUELING the Red Hill Bulk Fuel Storage Facility

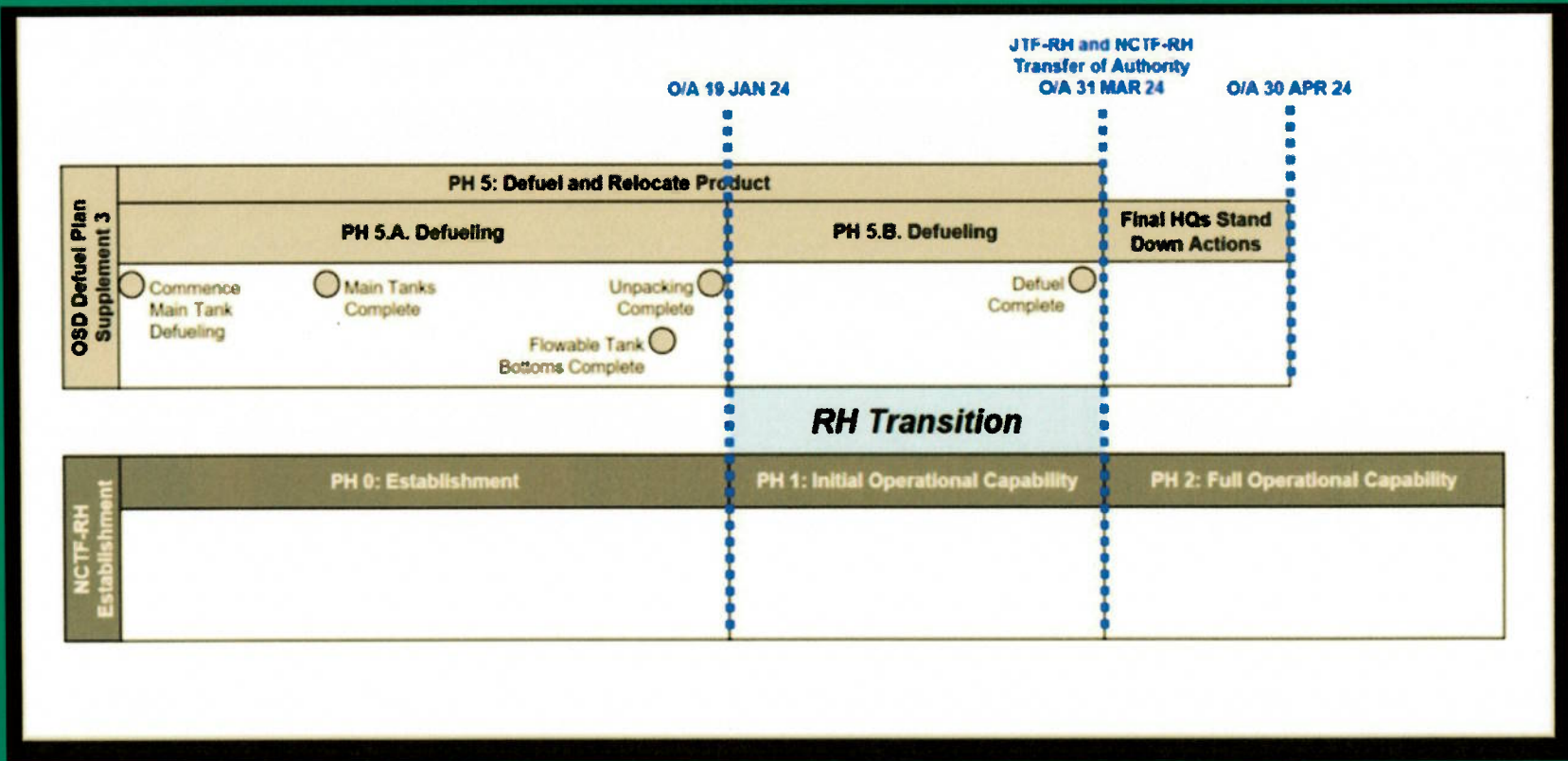
Ongoing: October 16, 2023 – January 19, 2024

Defueling Supplement Plan 3

- Announced establishment of Navy Closure Task Force – Red Hill (NCTF –RH)
- Joint Task Force –Red Hill (JTF-RH) will remain the lead in defueling.
- Phase 5A: 64,000 gallons of fuel and 28,000 gallons of sludge to remain after gravity defueling in January 2024.
- Phase 5B: 60,000 gallons of residual fuel will be removed by JTF –RH non-destructively by March 31, 2024.
- Remaining 4,000 gallons of fuel and 28,000 gallons of sludge to be removed during Closure via demolition contracts led by NCTF –RH

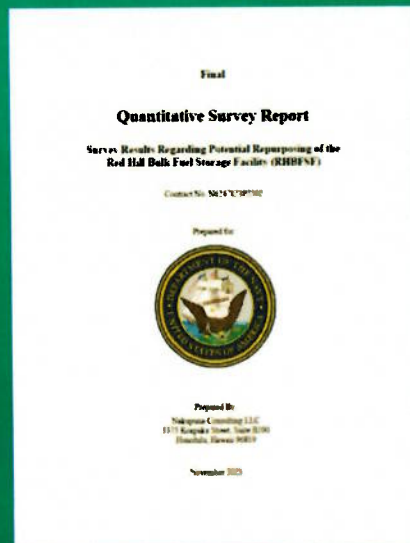
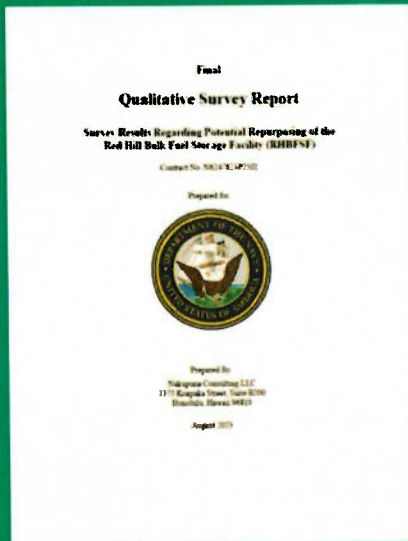


Transition to Navy Closure Task Force –Red Hill



CLOSURE of Red Hill Bulk Fuel Storage Facility

Department of Defense Announced Closing Red Hill **WILL NOT** Impact Operational Readiness



Navy Closure Task Force –Red Hill

- Rear Admiral Stephen Barnett

Closure Plan to date:

- Removal of remaining 4,000 gallons of fuel and 28,000 gallon of sludge via demolition contract.
- Dismantle the 3 fuel pipelines between tanks and Pearl Harbor.
- Clean and close fuel tanks via method to be determined.
- 3+ years to complete.

Non-Fuel Reuse

- [Survey Reports](#) by Nakupuna Companies released.
- Report due to Congress in February 2024.

Tentative Closure: August 2027





Navy Closure Task Force-Red Hill

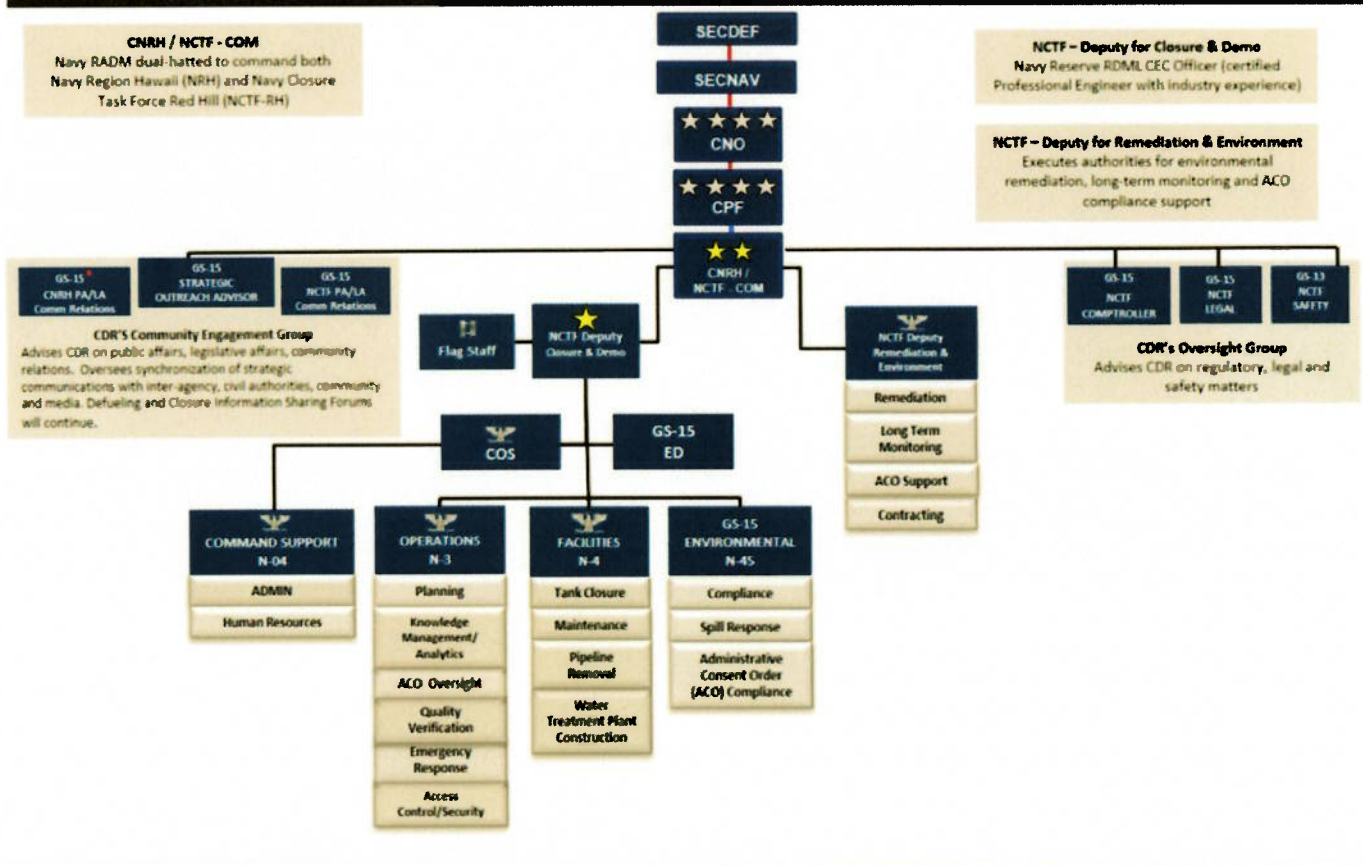




Photo Source: BWS Poster Contest
Pure Water –There is No Substitute: Poster by Loko Maikai Lynch
of Kapolei Middle School (2016)

UPCOMING EVENTS

December:

- Red Hill Remediation Roundtable

January 2024

- Quarterly Meeting with the 3 Admirals





MAHALO!

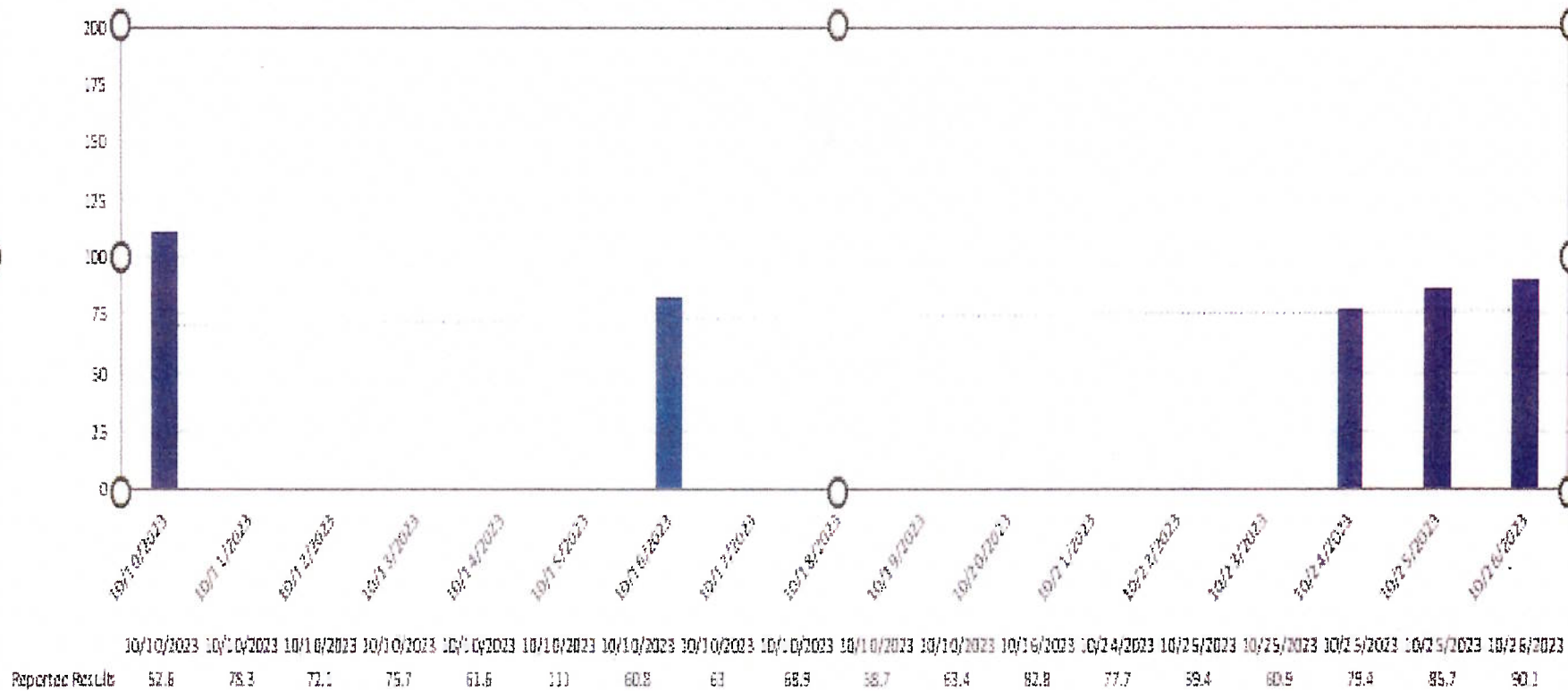
November 2023 Red Hill Updates

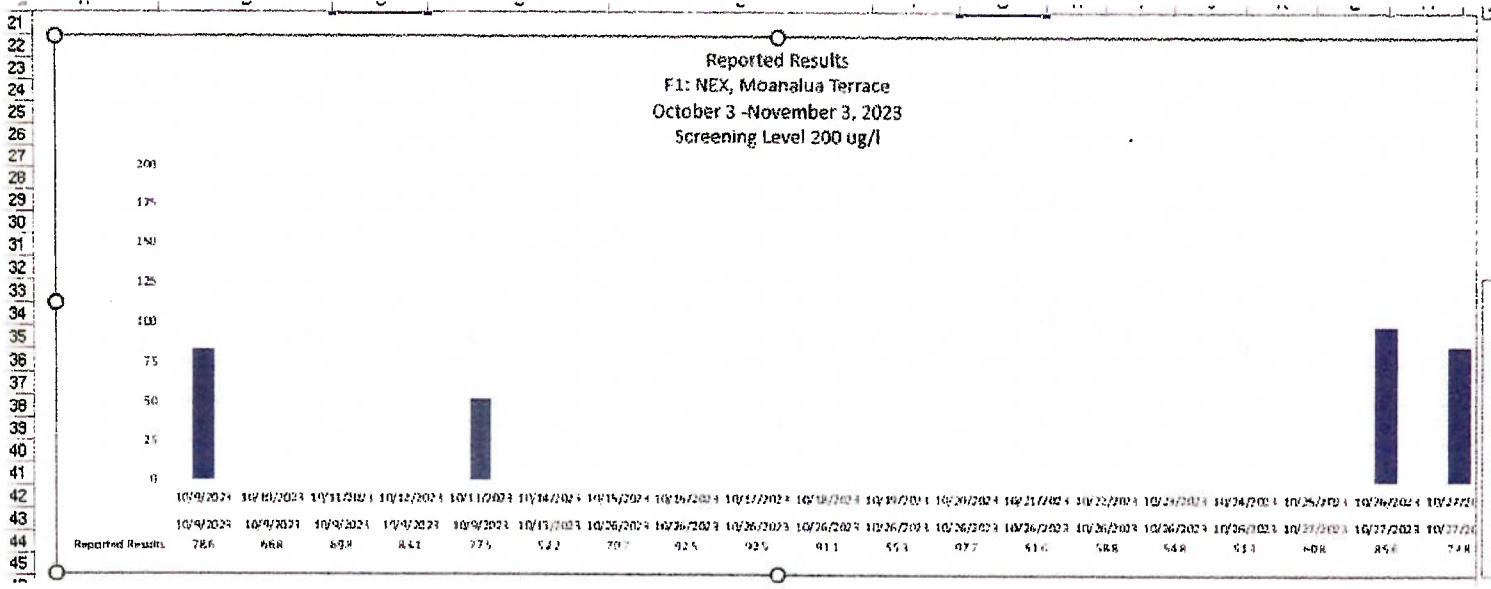
Providing safe, dependable, and affordable
drinking water, now and into the future.

Petroleum Hydrocarbons – d October 3 – November 3, 2023

Six Locations of Concern

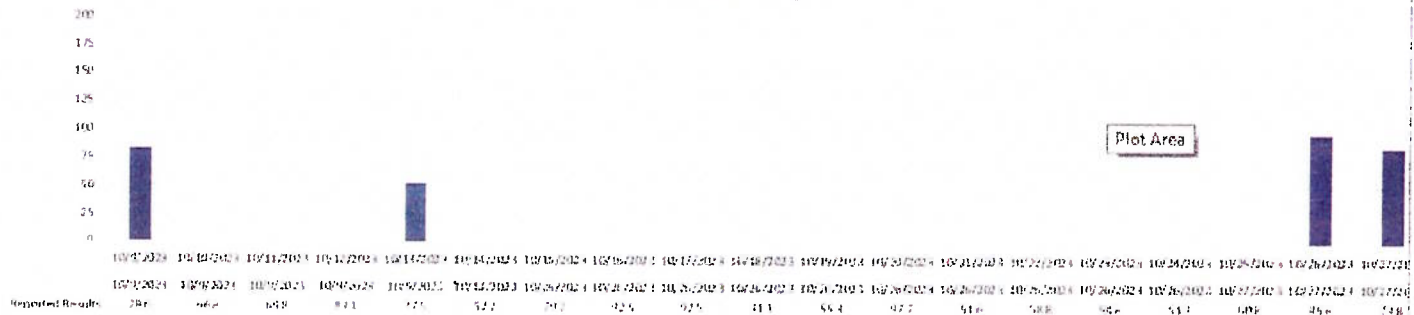
Reported Results
 H1: AMR
 October 3 - November 3, 2023
 Screening Level 200 ug/l

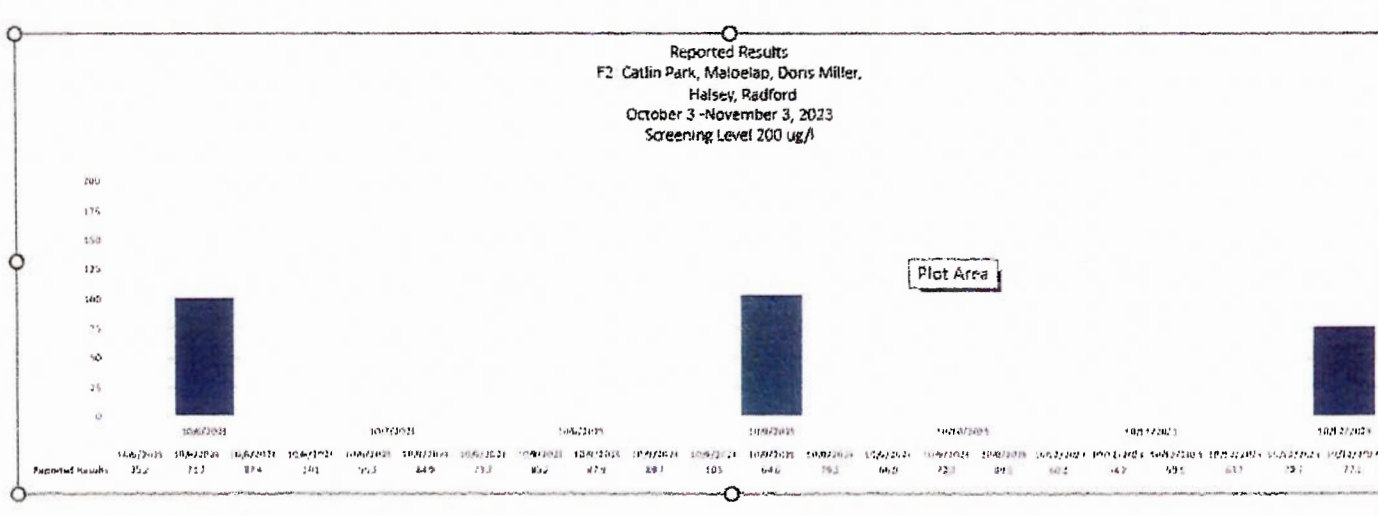




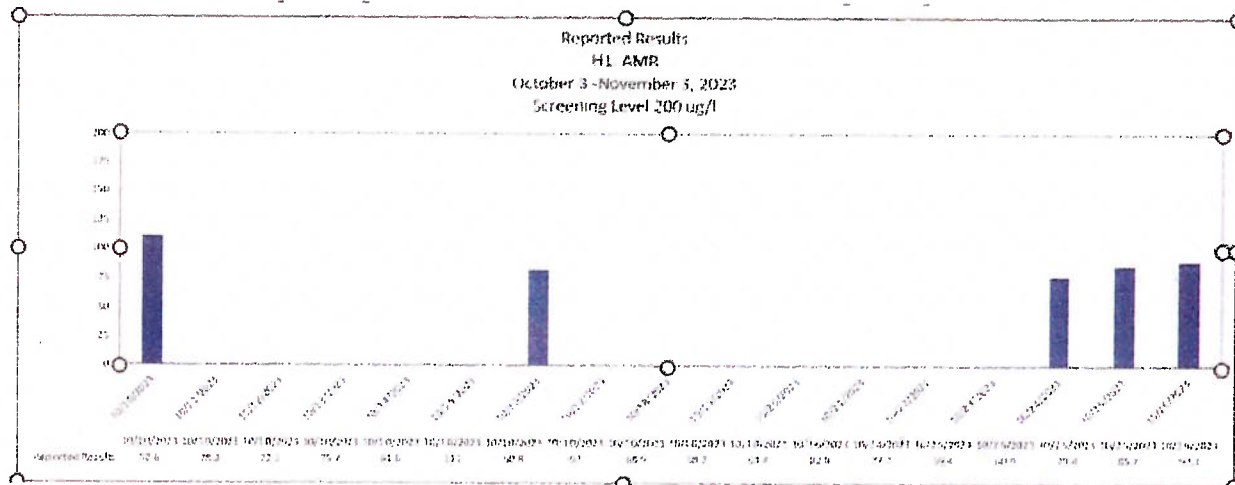
Screen Point Data Testimony: Petroleum Hydrocarbons at Oct 3 -Nov 3, 2023

Reported Results
 F1: NEX, Moanalua Terrace
 October 3 - November 3, 2023
 Screening Level 200 ug/l





Susan Paula Davis Testimony: Petroleum Hydrocarbons at CAT 3 New 1 2023



Groundwater Monitoring Data

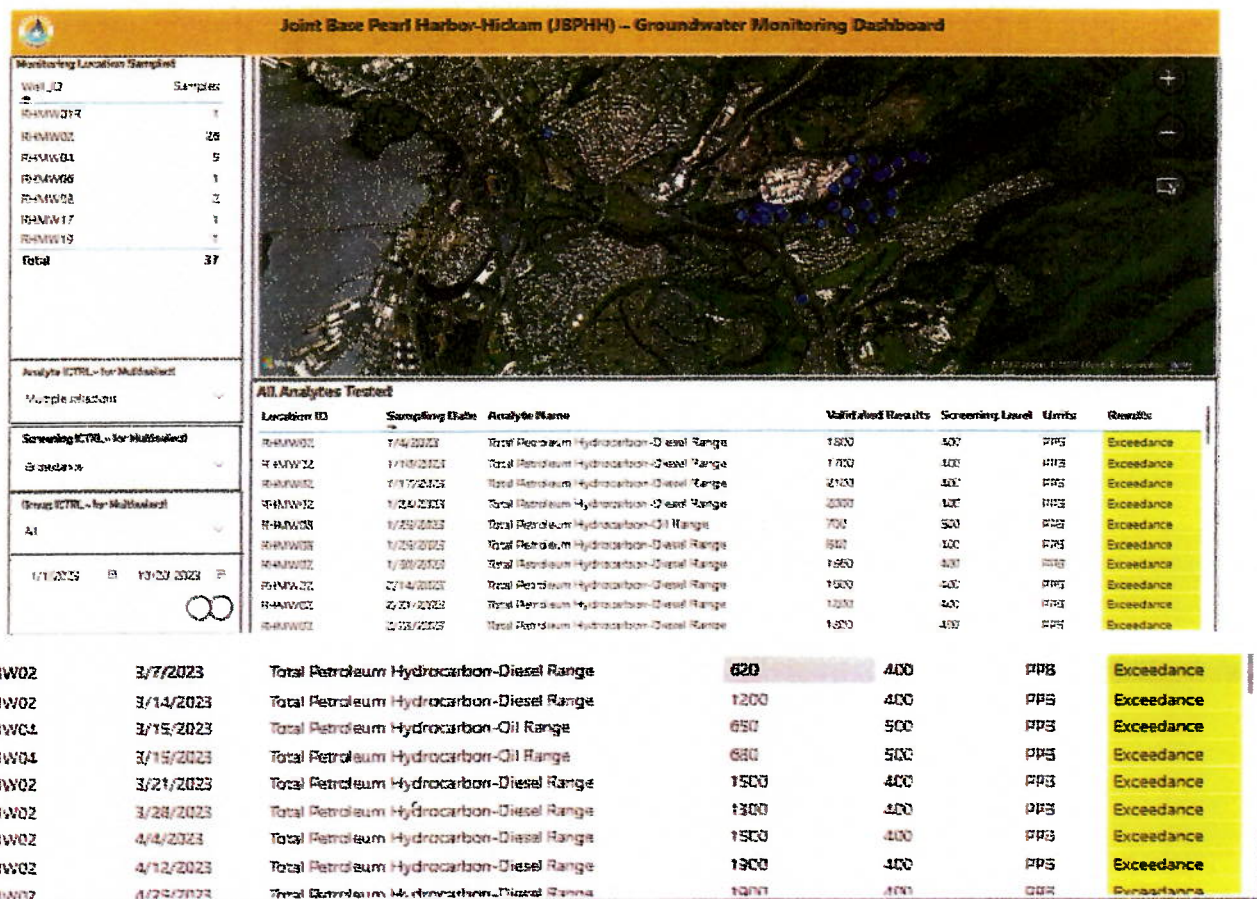
EXCEEDENCES

TPH-d

TPH-o

January 1, 2023 – October 20, 2023

Source: JBPHH Safe Waters



RHMW03	4/27/23	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW04	4/27/23	Total Petroleum Hydrocarbon-Diesel Range	2700	500	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	333	500	PPB	Exceedance
RHMW02	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2400	400	PPB	Exceedance
RHMW04	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	330	500	PPB	Exceedance
RHMW06	5/4/23	Total Petroleum Hydrocarbon-Oil Range	1300	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	60	400	PPB	Exceedance
RHMW02	5/3/2023	Total Petroleum Hydrocarbon-Diesel Range	2300	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance

RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Oil Range	890	500	PPB	Exceedance
RHMW02	5/16/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	5/18/2023	Total Petroleum Hydrocarbon-Oil Range	680	500	PPB	Exceedance
RHMW02	5/23/2023	Total Petroleum Hydrocarbon-Diesel Range	1000	400	PPB	Exceedance
RHMW02	5/31/2023	Total Petroleum Hydrocarbon-Diesel Range	2800	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Diesel Range	340	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Oil Range	700	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Diesel Range	560	400	PPB	Exceedance

RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	620	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	810	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	1040	400	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	707	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	884	400	PPB	Exceedance
RHMW02	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	2110	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	1720	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	2170	400	PPB	Exceedance

RHMW01	7/7/2023	Total Petroleum Hydrocarbon-Diesel Range	958	400	PPB	Exceedance
RHMW02	8/1/2023	Total Petroleum Hydrocarbon-Diesel Range	1360	400	PPB	Exceedance
RHMW02	9/7/2023	Total Petroleum Hydrocarbon-Diesel Range	1090	400	PPB	Exceedance
RHMW02	10/6/2023	Total Petroleum Hydrocarbon-Diesel Range	1460	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	1170	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	990	400	PPB	Exceedance

Detection Analyte found at concentration below the lowest regulatory screening level. **Exceedance** Analyte concentration exceeds lowest regulatory screening level.

Location ID	Sampling Date	Analyte Name	Validated F Screening Level	Units	Results
RHMW02	1/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	680	500	PPB Exceedance
RHMW02	1/10/2023	Total Petroleum Hydrocarbon-Diesel Range	1700	400	PPB Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Oil Range	700	500	PPB Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Diesel Range	840	400	PPB Exceedance
RHMW02	1/17/2023	Total Petroleum Hydrocarbon-Diesel Range	2100	400	PPB Exceedance
RHMW02	1/24/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB Exceedance
RHMW02	1/30/2023	Total Petroleum Hydrocarbon-Diesel Range	1860	400	PPB Exceedance
RHMW02	2/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1600	400	PPB Exceedance
RHMW02	2/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB Exceedance
RHMW02	2/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB Exceedance
RHMW02	3/7/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB Exceedance
RHMW02	3/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	650	500	PPB Exceedance
RHMW02	4/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB Exceedance
RHMW02	3/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB Exceedance
RHMW02	3/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1300	400	PPB Exceedance
RHMW02	4/12/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB Exceedance
RHMW02	4/25/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	2700	500	PPB Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	3100	500	PPB Exceedance
RHMW02	5/2/2023	Total Petroleum Hydrocarbon-Diesel Range	2400	400	PPB Exceedance
RHMW04	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	530	500	PPB Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	1300	500	PPB Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	860	400	PPB Exceedance
RHMW02	5/9/2023	Total Petroleum Hydrocarbon-Diesel Range	2300	400	PPB Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Oil Range	890	500	PPB Exceedance
RHMW02	5/16/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB Exceedance
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RHMW02	5/23/2023	Total Petroleum Hydrocarbon-Diesel Range	1100	400	PPB Exceedance
RHMW02	5/31/2023	Total Petroleum Hydrocarbon-Diesel Range	2600	400	PPB Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Diesel Range	540	400	PPB Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Oil Range	710	500	PPB Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Diesel Range	560	400	PPB Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	620	500	PPB Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	810	500	PPB Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	1040	400	PPB Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	500	PPB Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	791	500	PPB Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	884	400	PPB Exceedance
RHMW02	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	2110	400	PPB Exceedance
RHMW01R	7/7/2023	Total Petroleum Hydrocarbon-Diesel Range	988	400	PPB Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	1720	400	PPB Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	2170	400	PPB Exceedance
RHMW02	8/3/2023	Total Petroleum Hydrocarbon-Diesel Range	1360	400	PPB Exceedance
RHMW02	9/7/2023	Total Petroleum Hydrocarbon-Diesel Range	1190	400	PPB Exceedance
RHMW02	10/6/2023	Total Petroleum Hydrocarbon-Diesel Range	1460	400	PPB Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	1170	400	PPB Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	990	400	PPB Exceedance

Location ID	Sampling Date	Analyte Name	Validated Results	Screening Level	Units	Results
RHMW01R	1/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
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RHMW02	1/10/2023	Total Petroleum Hydrocarbon-Diesel Range	1700	400	PPB	Exceedance
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RHMW02	2/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1600	400	PPB	Exceedance
RHMW02	2/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
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RHMW02	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	650	500	PPB	Exceedance
RHMW02	4/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW02	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
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RHMW02	3/14/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW02	3/15/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	650	500	PPB	Exceedance
RHMW02	3/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW04	3/28/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW02	4/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW02	4/12/2023	Total Petroleum Hydrocarbon-Diesel Range	1300	400	PPB	Exceedance
RHMW02	4/25/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW02	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	2700	500	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	3100	500	PPB	Exceedance
RHMW02	5/2/2023	Total Petroleum Hydrocarbon-Diesel Range	2400	400	PPB	Exceedance
RHMW04	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	530	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	1300	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	860	400	PPB	Exceedance
RHMW02	5/9/2023	Total Petroleum Hydrocarbon-Diesel Range	2300	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Oil Range	890	500	PPB	Exceedance
RHMW02	5/16/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	5/18/2023	Total Petroleum Hydrocarbon-Oil Range	680	500	PPB	Exceedance
RHMW02	5/23/2023	Total Petroleum Hydrocarbon-Diesel Range	1100	400	PPB	Exceedance
RHMW02	5/31/2023	Total Petroleum Hydrocarbon-Diesel Range	2600	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Diesel Range	540	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Oil Range	710	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Diesel Range	560	400	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	620	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	810	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	1040	400	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	791	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	884	400	PPB	Exceedance
RHMW02	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	2110	400	PPB	Exceedance
RHMW01R	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	988	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	1720	400	PPB	Exceedance
RHMW02	7/7/2023	Total Petroleum Hydrocarbon-Diesel Range	2170	400	PPB	Exceedance
RHMW02	8/3/2023	Total Petroleum Hydrocarbon-Diesel Range	1360	400	PPB	Exceedance
RHMW02	9/7/2023	Total Petroleum Hydrocarbon-Diesel Range	1190	400	PPB	Exceedance
RHMW02	10/6/2023	Total Petroleum Hydrocarbon-Diesel Range	1460	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	1170	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	990	400	PPB	Exceedance

Location ID	Sampling Date	Analyte Name	Validated Results	Screening Level	Units	Results
RHMW02	1/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Diesel Range	680	500	PPB	Exceedance
RHMW02	1/10/2023	Total Petroleum Hydrocarbon-Diesel Range	1700	400	PPB	Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Diesel Range	700	500	PPB	Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Diesel Range	840	400	PPB	Exceedance
RHMW02	1/17/2023	Total Petroleum Hydrocarbon-Diesel Range	2100	400	PPB	Exceedance
RHMW02	1/24/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW02	1/30/2023	Total Petroleum Hydrocarbon-Diesel Range	1860	400	PPB	Exceedance
RHMW02	2/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1600	400	PPB	Exceedance
RHMW02	2/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW02	2/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW02	3/7/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW02	3/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Diesel Range	650	500	PPB	Exceedance
RHMW02	4/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW02	3/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW02	3/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1300	400	PPB	Exceedance
RHMW02	4/12/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW02	4/25/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2700	500	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	3100	500	PPB	Exceedance
RHMW02	5/2/2023	Total Petroleum Hydrocarbon-Diesel Range	2400	400	PPB	Exceedance
RHMW04	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	530	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1300	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	860	400	PPB	Exceedance
RHMW02	5/9/2023	Total Petroleum Hydrocarbon-Diesel Range	2300	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Diesel Range	890	500	PPB	Exceedance
RHMW02	5/16/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	5/18/2023	Total Petroleum Hydrocarbon-Diesel Range	680	500	PPB	Exceedance
RHMW02	5/23/2023	Total Petroleum Hydrocarbon-Diesel Range	1100	400	PPB	Exceedance
RHMW02	5/31/2023	Total Petroleum Hydrocarbon-Diesel Range	2600	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Diesel Range	540	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Diesel Range	710	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Diesel Range	560	400	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Diesel Range	620	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	810	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	1040	400	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	791	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	884	400	PPB	Exceedance
RHMW02	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	2110	400	PPB	Exceedance
RHMW01R	7/7/2023	Total Petroleum Hydrocarbon-Oil Range	988	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Oil Range	1720	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Oil Range	2170	400	PPB	Exceedance
RHMW02	8/3/2023	Total Petroleum Hydrocarbon-Oil Range	1360	400	PPB	Exceedance
RHMW02	9/7/2023	Total Petroleum Hydrocarbon-Oil Range	1190	400	PPB	Exceedance
RHMW02	10/6/2023	Total Petroleum Hydrocarbon-Oil Range	1460	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Oil Range	1170	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Oil Range	990	400	PPB	Exceedance

Location ID	Sampling Date	Analyte Name	Validated Results	Screening Level	Units	Results
RHMW02	1/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	680	500	PPB	Exceedance
RHMW02	1/10/2023	Total Petroleum Hydrocarbon-Diesel Range	1700	400	PPB	Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Oil Range	700	500	PPB	Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Diesel Range	840	400	PPB	Exceedance
RHMW02	1/17/2023	Total Petroleum Hydrocarbon-Diesel Range	2100	400	PPB	Exceedance
RHMW02	1/24/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW02	1/30/2023	Total Petroleum Hydrocarbon-Diesel Range	1860	400	PPB	Exceedance
RHMW02	2/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1600	400	PPB	Exceedance
RHMW02	2/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW02	2/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW02	3/7/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW02	3/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	650	500	PPB	Exceedance
RHMW02	4/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW02	3/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW02	3/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1300	400	PPB	Exceedance
RHMW02	4/12/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW02	4/25/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	2700	500	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	3100	500	PPB	Exceedance
RHMW02	5/2/2023	Total Petroleum Hydrocarbon-Diesel Range	2400	400	PPB	Exceedance
RHMW04	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	530	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	1300	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	860	400	PPB	Exceedance
RHMW02	5/9/2023	Total Petroleum Hydrocarbon-Diesel Range	2300	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Oil Range	890	500	PPB	Exceedance
RHMW02	5/16/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	5/18/2023	Total Petroleum Hydrocarbon-Oil Range	680	500	PPB	Exceedance
RHMW02	5/23/2023	Total Petroleum Hydrocarbon-Diesel Range	1100	400	PPB	Exceedance
RHMW02	5/31/2023	Total Petroleum Hydrocarbon-Diesel Range	2600	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Diesel Range	540	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Oil Range	710	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Diesel Range	560	400	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	620	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	810	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	1040	400	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	791	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	884	400	PPB	Exceedance
RHMW02	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	2110	400	PPB	Exceedance
RHMW01R	7/7/2023	Total Petroleum Hydrocarbon-Diesel Range	988	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	1720	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	2170	400	PPB	Exceedance
RHMW02	8/3/2023	Total Petroleum Hydrocarbon-Diesel Range	1360	400	PPB	Exceedance
RHMW02	9/7/2023	Total Petroleum Hydrocarbon-Diesel Range	1190	400	PPB	Exceedance
RHMW02	10/6/2023	Total Petroleum Hydrocarbon-Diesel Range	1460	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	1170	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	990	400	PPB	Exceedance

Location ID	Sampling Date	Analyte Name	Validated Results	Screening Level	Units	Results
RHMW02	1/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	680	500	PPB	Exceedance
RHMW02	1/10/2023	Total Petroleum Hydrocarbon-Diesel Range	1700	400	PPB	Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Oil Range	700	500	PPB	Exceedance
RHMW08	1/25/2023	Total Petroleum Hydrocarbon-Diesel Range	840	400	PPB	Exceedance
RHMW02	1/17/2023	Total Petroleum Hydrocarbon-Diesel Range	2100	400	PPB	Exceedance
RHMW02	1/24/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW02	1/30/2023	Total Petroleum Hydrocarbon-Diesel Range	1860	400	PPB	Exceedance
RHMW02	2/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1600	400	PPB	Exceedance
RHMW02	2/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW02	2/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW02	3/7/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW02	3/14/2023	Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	650	500	PPB	Exceedance
RHMW02	4/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	2000	400	PPB	Exceedance
RHMW02	3/21/2023	Total Petroleum Hydrocarbon-Diesel Range	1500	400	PPB	Exceedance
RHMW02	3/28/2023	Total Petroleum Hydrocarbon-Diesel Range	1300	400	PPB	Exceedance
RHMW02	4/12/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW02	4/25/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	400	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	2700	500	PPB	Exceedance
RHMW04	4/27/2023	Total Petroleum Hydrocarbon-Oil Range	3100	500	PPB	Exceedance
RHMW02	5/2/2023	Total Petroleum Hydrocarbon-Diesel Range	2400	400	PPB	Exceedance
RHMW04	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	530	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Oil Range	1300	500	PPB	Exceedance
RHMW06	5/4/2023	Total Petroleum Hydrocarbon-Diesel Range	860	400	PPB	Exceedance
RHMW02	5/9/2023	Total Petroleum Hydrocarbon-Diesel Range	2300	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Diesel Range	620	400	PPB	Exceedance
RHMW08	5/11/2023	Total Petroleum Hydrocarbon-Oil Range	890	500	PPB	Exceedance
RHMW02	5/16/2023	Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW04	5/18/2023	Total Petroleum Hydrocarbon-Oil Range	680	500	PPB	Exceedance
RHMW02	5/23/2023	Total Petroleum Hydrocarbon-Diesel Range	1100	400	PPB	Exceedance
RHMW02	5/31/2023	Total Petroleum Hydrocarbon-Diesel Range	2600	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Diesel Range	540	400	PPB	Exceedance
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Oil Range	710	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Diesel Range	560	400	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	620	500	PPB	Exceedance
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	810	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	1040	400	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	791	500	PPB	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	884	400	PPB	Exceedance
RHMW02	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	2110	400	PPB	Exceedance
RHMW01R	7/7/2023	Total Petroleum Hydrocarbon-Diesel Range	988	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	1720	400	PPB	Exceedance
RHMW02	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	2170	400	PPB	Exceedance
RHMW02	8/3/2023	Total Petroleum Hydrocarbon-Diesel Range	1360	400	PPB	Exceedance
RHMW02	9/7/2023	Total Petroleum Hydrocarbon-Diesel Range	1190	400	PPB	Exceedance
RHMW02	10/6/2023	Total Petroleum Hydrocarbon-Diesel Range	1460	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	1170	400	PPB	Exceedance
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	990	400	PPB	Exceedance

Location	Address	Sampling Date	Client Sample ID	Analyte Name	Screening Level	Reported Results	Units	Screening
A3-WEKA4742B	4742B West Ekahi Way	10/3/2023	A3-TW-0016778-23157-N	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L		Detection
A3-10456577A	6577A 104th Street	10/3/2023	A3-TW-0017389-23157-N	Petroleum Hydrocarbons (as Diesel)	200	68.7 UG/L		Detection
A3-HERO6150	6150 Heron Avenue	10/4/2023	A3-TW-0016577-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65 UG/L		Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023	A3-TW-0017213-23157-N	Petroleum Hydrocarbons (as Diesel)	200	88.4 UG/L		Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023	A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.7 UG/L		Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023	A3-TW-0017213-23157-N	Petroleum Hydrocarbons (as Diesel)	200	88.4 UG/L		Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023	A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.7 UG/L		Detection
A3-HERO6161A	6161A Heron Avenue	10/4/2023	A3-TW-0016588-23157-N	Petroleum Hydrocarbons (as Diesel)	200	92.7 UG/L		Detection
A3-HERO6087B	6087B Heron Avenue	10/4/2023	A3-TW-0016251-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.3 UG/L		Detection
A3-HERO6161A	6161A Heron Avenue	10/4/2023	A3-TW-0016588-23157-N	Petroleum Hydrocarbons (as Diesel)	200	92.7 UG/L		Detection
A3-HERO6087B	6087B Heron Avenue	10/4/2023	A3-TW-0016251-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.3 UG/L		Detection
A3-IROQ5133A	5133A Iroquois Avenue	10/4/2023	A3-TW-0016085-23157-N	Petroleum Hydrocarbons (as Diesel)	200	57.9 UG/L		Detection
A3-HERO6143A	6143A Heron Avenue	10/4/2023	A3-TW-0016573-23157-N	Petroleum Hydrocarbons (as Diesel)	200	55.9 UG/L		Detection
A3-10456558B	6558B 104th Street	10/4/2023	A3-TW-0017376-23157-N	Petroleum Hydrocarbons (as Diesel)	200	59.9 UG/L		Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023	A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.7 UG/L		Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023	A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	92.7 UG/L		Detection
A3-HERO6161A	6161A Heron Avenue	10/4/2023	A3-TW-0016588-23157-N	Petroleum Hydrocarbons (as Diesel)	200	92.7 UG/L		Detection
A3-HERO6087B	6087B Heron Avenue	10/4/2023	A3-TW-0016251-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.3 UG/L		Detection
A3-IROQ5133A	5133A Iroquois Avenue	10/4/2023	A3-TW-0016085-23157-N	Petroleum Hydrocarbons (as Diesel)	200	57.9 UG/L		Detection
A3-HERO6143A	6143A Heron Avenue	10/4/2023	A3-TW-0016573-23157-N	Petroleum Hydrocarbons (as Diesel)	200	55.9 UG/L		Detection
A3-10456558B	6558B 104th Street	10/4/2023	A3-TW-0017376-23157-N	Petroleum Hydrocarbons (as Diesel)	200	59.9 UG/L		Detection
A3-11056810A	6810A 110th Street	10/5/2023	A3-TW-0017421-23157-N	Petroleum Hydrocarbons (as Diesel)	200	55.6 UG/L		Detection
A3-WELU4774B	4774B West Elua Way	10/5/2023	A3-TW-0016830-23157-N	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L		Detection
A3-IROQ5151	5151 Iroquois Avenue	10/5/2023	A3-TW-0016280-23157-N	Petroleum Hydrocarbons (as Diesel)	200	58.6 UG/L		Detection
A3-KELA4974C	4974C Kela Place	10/5/2023	A3-TW-0016844-23157-N	Petroleum Hydrocarbons (as Diesel)	200	61.5 UG/L		Detection
A3-EONO4938B	4938B Eono Way	10/5/2023	A3-TW-0016884-23157-N	Petroleum Hydrocarbons (as Diesel)	200	67.7 UG/L		Detection
F2-SAND0719	719 Sanders Circle	10/6/2023	F2-TW-0010868-23155-N	Petroleum Hydrocarbons (as Diesel)	200	56.3 UG/L		Detection
D2-HYD321	FH:321	10/6/2023	D2-DL-0017709-23157-N	Petroleum Hydrocarbons (as Diesel)	200	61.8 UG/L		Detection
D2-HYD365	FH:365	10/6/2023	D2-DL-0017717-23157-N	Petroleum Hydrocarbons (as Diesel)	200	64.1 UG/L		Detection
F2-HYD0003	FH 3	10/6/2023	F2-DL-0017772-23155-N	Petroleum Hydrocarbons (as Diesel)	200	95.2 UG/L		Detection
D2-HYD0498	FH:509	10/6/2023	D2-DL-0017715-23157-N	Petroleum Hydrocarbons (as Diesel)	200	114 UG/L		Detection
F2-HYD0011	FH 11	10/6/2023	F2-DL-0017745-23155-N	Petroleum Hydrocarbons (as Diesel)	200	71.7 UG/L		Detection
D2-HYD56	FH:056	10/6/2023	D2-DL-0017708-23157-N	Petroleum Hydrocarbons (as Diesel)	200	63.3 UG/L		Detection
F2-HYD0012	FH 12 (F2-HYD1338)	10/6/2023	F2-DL-0017776-23155-N	Petroleum Hydrocarbons (as Diesel)	200	87.4 UG/L		Detection
D2-HYD84	FH:084	10/6/2023	D2-DL-0017713-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.1 UG/L		Detection
D2-HYD1610	FH:074	10/6/2023	D2-DL-0000583-23157-N	Petroleum Hydrocarbons (as Diesel)	200	76.8 UG/L		Detection
F2-HYD0014	FH 14	10/6/2023	F2-DL-0017746-23155-N	Petroleum Hydrocarbons (as Diesel)	200	101 UG/L		Detection
D2-HYD236	FH:236 (Possibly HYD263, H	10/6/2023	D2-DL-0017711-23157-N	Petroleum Hydrocarbons (as Diesel)	200	115 UG/L		Detection
D2-HYD0079	FH:519	10/6/2023	D2-DL-0017714-23157-N	Petroleum Hydrocarbons (as Diesel)	200	80.9 UG/L		Detection
F2-ARIZ2782	2782 Arizona Road	10/9/2023	F2-TW-0010780-23155-N	Petroleum Hydrocarbons (as Diesel)	200	73.7 UG/L		Detection
F2-DRIS2991	2991 Driskell Drive	10/9/2023	F2-TW-0011444-23155-N	Petroleum Hydrocarbons (as Diesel)	200	103 UG/L		Detection
F1-FUQU5201	5201 Fuqua Lane	10/9/2023	F1-TW-0009213-23155-N	Petroleum Hydrocarbons (as Diesel)	200	78.6 UG/L		Detection
F2-BENF5423	5423 Benfold Lane	10/9/2023	F2-TW-0011059-23155-N	Petroleum Hydrocarbons (as Diesel)	200	85.2 UG/L		Detection
F2-FINC4116	4116 Fincher Street	10/9/2023	F2-TW-0011469-23155-N	Petroleum Hydrocarbons (as Diesel)	200	64.6 UG/L		Detection
F1-TAYL3407	3407 Taylor Street	10/9/2023	F1-TW-0009150-23155-N	Petroleum Hydrocarbons (as Diesel)	200	69.8 UG/L		Detection
F2-ANDE2968	2968 Anderson Avenue	10/9/2023	F2-TW-0009602-23155-N	Petroleum Hydrocarbons (as Diesel)	200	84.9 UG/L		Detection
F1-TAYL3407	3407 Taylor Street	10/9/2023	F1-TW-0009150-23155-3-N	Petroleum Hydrocarbons (as Diesel)	200	83.1 UG/L		Detection
F2-STOW2739	2739 Stowell Circle	10/9/2023	F2-TW-0009280-23155-N	Petroleum Hydrocarbons (as Diesel)	200	66.9 UG/L		Detection
F2-STOW2739	2739 Stowell Circle	10/9/2023	F2-TW-0009280-23155-3-N	Petroleum Hydrocarbons (as Diesel)	200	72.3 UG/L		Detection
F2-DEWE0569	569 Dewert Court	10/9/2023	F2-TW-0011152-23155-N	Petroleum Hydrocarbons (as Diesel)	200	89.7 UG/L		Detection
F2-VAES3044	3044 Vaessen Court	10/9/2023	F2-TW-0009336-23155-N	Petroleum Hydrocarbons (as Diesel)	200	89.5 UG/L		Detection
F1-MCMO5406	5406 McMorris Drive	10/9/2023	F1-TW-0008836-23155-N	Petroleum Hydrocarbons (as Diesel)	200	66.8 UG/L		Detection
F2-COLE4110	4110 Colegrove Street	10/9/2023	F2-TW-0011127-23155-N	Petroleum Hydrocarbons (as Diesel)	200	87.9 UG/L		Detection
F1-TAYL3418	3418 Taylor Street	10/9/2023	F1-TW-0009161-23155-N	Petroleum Hydrocarbons (as Diesel)	200	77.5 UG/L		Detection
F2-GORD2736	2736 Gordon Street	10/9/2023	F2-TW-0011594-23155-N	Petroleum Hydrocarbons (as Diesel)	200	79.3 UG/L		Detection
H1-BOUG0255	255 Bougainvillea Loop	10/10/2023	H1-TW-0013304-23147-A	Petroleum Hydrocarbons (as Diesel)	200	72.1 UG/L		Detection
H1-KOU 4665	4665 Kou Lane	10/10/2023	H1-TW-0013055-23147-A	Petroleum Hydrocarbons (as Diesel)	200	58.7 UG/L		Detection
H1-KOBA4410	4410 Kobashigawa Street	10/10/2023	H1-TW-0012998-23147-A	Petroleum Hydrocarbons (as Diesel)	200	68.9 UG/L		Detection
H1-CROT4312	4312 Croton Street	10/10/2023	H1-TW-0012810-23147-A	Petroleum Hydrocarbons (as Diesel)	200	75.7 UG/L		Detection
H1-BAMB3610	3610 Bamboo Lane	10/10/2023	H1-TW-0013238-23147-A	Petroleum Hydrocarbons (as Diesel)	200	52.6 UG/L		Detection
H1-MACA5048	5048 Macadamia Lane	10/10/2023	H1-TW-0013093-23147-A	Petroleum Hydrocarbons (as Diesel)	200	63.4 UG/L		Detection
H1-IXOR6613	6613 Ixora Lane	10/10/2023	H1-TW-0012937-23147-A	Petroleum Hydrocarbons (as Diesel)	200	63 UG/L		Detection
H1-GUAV3827	3827 Guava Lane	10/10/2023	H1-TW-0012859-23147-3-A	Petroleum Hydrocarbons (as Diesel)	200	111 UG/L		Detection
H2-HYD1646A	Hydrant 1646	10/10/2023	H2-DL-0000688-23155-A	Petroleum Hydrocarbons (as Diesel)	200	72.1 UG/L		Detection
H1-GARD4609	4609 Gardenia Lane	10/10/2023	H1-TW-0012830-23147-A	Petroleum Hydrocarbons (as Diesel)	200	61.6 UG/L		Detection
H2-HYD1646A	Hydrant 1646	10/10/2023	H2-DL-0000688-23155-3-A	Petroleum Hydrocarbons (as Diesel)	200	66.8 UG/L		Detection
H1-BLDG1782	AMR Child & Youth Services	10/10/2023	H1-TW-0017683-23147-A-1	Petroleum Hydrocarbons (as Diesel)	200	78.3 UG/L		Detection
H1-HYD1396A	Hydrant 1396	10/10/2023	H1-DL-0017754-23147-A	Petroleum Hydrocarbons (as Diesel)	200	60.8 UG/L		Detection
F2-HYD003A	FH 3A	10/12/2023	F2-DL-0017773-23155-N	Petroleum Hydrocarbons (as Diesel)	200	59.1 UG/L		Detection
B1-HONU1185	1185 Honu Loop	10/12/2023	B1-TW-0010505-23147-3-N	Petroleum Hydrocarbons (as Diesel)	200	69.6 UG/L		Detection
E1-HYD1216	FH 1216	10/12/2023	E1-DL-0017799-23152-N	Petroleum Hydrocarbons (as Diesel)	200	74.1 UG/L		Detection
E1-HYD1216	FH 1216	10/12/2023	E1-DL-0017799-23152-3-N	Petroleum Hydrocarbons (as Diesel)	200	58.5 UG/L		Detection
F2-HYD0213	FH 213 (Possibly F2-HYD002	10/12/2023	F2-DL-0017774-23155-N	Petroleum Hydrocarbons (as Diesel)	200	72.7 UG/L		Detection
F2-HYD071A	FH 71A	10/12/2023	F2-DL-0017751-23155-N	Petroleum Hydrocarbons (as Diesel)	200	55.8 UG/L		Detection
E1-HYD2250	FH 2250	10/12/2023	E1-DL-0017800-23152-N	Petroleum Hydrocarbons (as Diesel)	200	56.9 UG/L		Detection
B1-MCGR0365	365 McGrew Loop	10/12/2023	B1-TW-0010515-23147-N	Petroleum Hydrocarbons (as Diesel)	200	61.4 UG/L		Detection

B1-MCGR0450	450 McGrew Loop	10/12/2023	B1-TW-0009369-23147-N	Petroleum Hydrocarbons (as Diesel)	200	68.4 UG/L	Detection
F2-HYD0520	FH 520 (Possibly F2-HYD001	10/12/2023	F2-DL-0017775-23155-N	Petroleum Hydrocarbons (as Diesel)	200	77.1 UG/L	Detection
F2-HYD0039	FH 39	10/12/2023	F2-DL-0017749-23155-3-N	Petroleum Hydrocarbons (as Diesel)	200	60.1 UG/L	Detection
F2-HYD0039	FH 39	10/12/2023	F2-DL-0017749-23155-N	Petroleum Hydrocarbons (as Diesel)	200	54.2 UG/L	Detection
F2-HYD0047	FH 47	10/12/2023	F2-DL-0017750-23155-N	Petroleum Hydrocarbons (as Diesel)	200	63.7 UG/L	Detection
D1-HUTTO923	923 Huttenberg Court	10/13/2023	D1-TW-0000815-23145-N	Petroleum Hydrocarbons (as Diesel)	200	63.8 UG/L	Detection
D1-HUTTO923	923 Huttenberg Court	10/13/2023	D1-TW-0000815-23145-3-N	Petroleum Hydrocarbons (as Diesel)	200	59.6 UG/L	Detection
D1-HYD771	FH ID: 771	10/13/2023	D1-DL-0017562-23145-N	Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
H3-BLAC1805	1805 Blackthorn Loop	10/13/2023	H3-TW-0013888-23155-A	Petroleum Hydrocarbons (as Diesel)	200	81.9 UG/L	Detection
D1-KAUF1513	1513 Kaufman Court	10/13/2023	D1-TW-0000947-23145-N	Petroleum Hydrocarbons (as Diesel)	200	61.4 UG/L	Detection
F1-PHAR4310	4310 Pharris Place	10/13/2023	F1-TW-0009048-23155-N	Petroleum Hydrocarbons (as Diesel)	200	52.2 UG/L	Detection
H3-VALL0559	559 Valley View Loop	10/13/2023	H3-TW-0013860-23155-A	Petroleum Hydrocarbons (as Diesel)	200	80.7 UG/L	Detection
D2-HYD420	FH:420	10/16/2023	D2-DL-0017707-23157-N	Petroleum Hydrocarbons (as Diesel)	200	79 UG/L	Detection
D3-HYD2080	FH ID: 473	10/16/2023	D3-DL-0000547-23162-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D2-2ND0132	132 2nd Street	10/16/2023	D2-TW-0006956-23157-3-N	Petroleum Hydrocarbons (as Diesel)	200	96.7 UG/L	Detection
D3-HYD0411	FH 411	10/16/2023	D3-DL-0017731-23162-N	Petroleum Hydrocarbons (as Diesel)	200	87.2 UG/L	Detection
H1-CENT7251	2251 Center Street	10/16/2023	H1-TW-0012739-23147-A	Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
D3-MELI0228	228 Melia Street	10/16/2023	D3-TW-0011273-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	81.7 UG/L	Detection
D2-3RD0208	208 3rd Street	10/16/2023	D2-TW-0007012-23157-N	Petroleum Hydrocarbons (as Diesel)	200	85.9 UG/L	Detection
D2-PORT1706	1706 Porter Avenue	10/16/2023	D2-TW-0008433-23157-N	Petroleum Hydrocarbons (as Diesel)	200	78.8 UG/L	Detection
A1-HYD558	Hydrant 558	10/17/2023	A1-DL-0016025-23139-N	Petroleum Hydrocarbons (as Diesel)	200	71.5 UG/L	Detection
A1-HYD2254	FH ID: SA-AFH 7	10/17/2023	A1-DL-0000510-23139-N	Petroleum Hydrocarbons (as Diesel)	200	82 UG/L	Detection
A1-LOWE1108	1108 Lowella Avenue	10/17/2023	A1-TW-0001319-23139-N	Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
A1-LOWE1108	1108 Lowella Avenue	10/17/2023	A1-TW-0001319-23139-3-N	Petroleum Hydrocarbons (as Diesel)	200	52.1 UG/L	Detection
A3-10656866A	6686A 106th Street	10/17/2023	A3-TW-0016919-23157-N	Petroleum Hydrocarbons (as Diesel)	200	85.8 UG/L	Detection
A1-AUST0185	185 Austin Court	10/17/2023	A1-TW-0001596-23139-N	Petroleum Hydrocarbons (as Diesel)	200	97.7 UG/L	Detection
A3-10256470	6470 102nd Street	10/17/2023	A3-TW-0016095-23157-N	Petroleum Hydrocarbons (as Diesel)	200	70.9 UG/L	Detection
A3-ERNE5773	5773 Erne Avenue	10/17/2023	A3-TW-0017012-23157-N	Petroleum Hydrocarbons (as Diesel)	200	91 UG/L	Detection
A1-ALOH1600	1600 Aloha Avenue	10/17/2023	A1-TW-0001561-23139-N	Petroleum Hydrocarbons (as Diesel)	200	101 UG/L	Detection
A1-ALOH1600	1600 Aloha Avenue	10/17/2023	A1-TW-0001561-23139-3-N	Petroleum Hydrocarbons (as Diesel)	200	96.8 UG/L	Detection
C1-HYD1765	FH ID: FH 503	10/18/2023	C1-DL-0000526-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	89.9 UG/L	Detection
C1-HYD1765	FH ID: FH 503	10/18/2023	C1-DL-0000526-23162-N	Petroleum Hydrocarbons (as Diesel)	200	67.4 UG/L	Detection
D2-BLDG559H	Building 559H	10/18/2023	D2-TW-0015476-23157-N	Petroleum Hydrocarbons (as Diesel)	200	98.8 UG/L	Detection
C3-BLDG0011	Building 11	10/18/2023	C3-TW-0015037-23162-N-T	Petroleum Hydrocarbons (as Diesel)	200	88.2 UG/L	Detection
C1-HYD354	FHID: 479	10/18/2023	C1-DL-0017791-23162-N	Petroleum Hydrocarbons (as Diesel)	200	98.1 UG/L	Detection
C3-HYD2298	C2-FH177	10/18/2023	C3-DL-0017798-23162-N	Petroleum Hydrocarbons (as Diesel)	200	89.1 UG/L	Detection
C1-HYD444	FHID: 413	10/18/2023	C1-DL-0017788-23162-N	Petroleum Hydrocarbons (as Diesel)	200	86.3 UG/L	Detection
C2-HYD421	C2-FH246	10/18/2023	C2-DL-0017796-23162-N	Petroleum Hydrocarbons (as Diesel)	200	91.3 UG/L	Detection
D3-MELI0246	246 Melia Street	10/18/2023	D3-TW-0011287-23162-N	Petroleum Hydrocarbons (as Diesel)	200	51 UG/L	Detection
C2-HYD421	C2-FH246	10/18/2023	C2-DL-0017796-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	85.7 UG/L	Detection
C2-HYD660	Hydrant 303	10/18/2023	C2-DL-0017797-23162-N	Petroleum Hydrocarbons (as Diesel)	200	89.4 UG/L	Detection
C1-BLDG1407	Building 1407	10/18/2023	C1-TW-0014730-23162-N	Petroleum Hydrocarbons (as Diesel)	200	70.1 UG/L	Detection
A2-HYD214	FH 214	10/19/2023	A2-DL-0017662-23145-N	Petroleum Hydrocarbons (as Diesel)	200	63.5 UG/L	Detection
A2-HYD7-13	FH 7-13	10/19/2023	A2-DL-0017655-23145-N	Petroleum Hydrocarbons (as Diesel)	200	50.9 UG/L	Detection
A3-EEHA4858B	4858B East Eha Way	10/19/2023	A3-TW-0017354-23157-N	Petroleum Hydrocarbons (as Diesel)	200	91.6 UG/L	Detection
A2-HYD7-4	FH 7-4	10/19/2023	A2-DL-0017658-23145-N	Petroleum Hydrocarbons (as Diesel)	200	81.4 UG/L	Detection
A2-HYD543	FH ID: 3-1	10/19/2023	A2-DL-0000507-23145-N	Petroleum Hydrocarbons (as Diesel)	200	63.6 UG/L	Detection
A3-IROQ5238	5238 Iroquois Avenue	10/19/2023	A3-TW-0016271-23157-N	Petroleum Hydrocarbons (as Diesel)	200	59.7 UG/L	Detection
A2-KAME4755	4755 Kamehameha Loop	10/19/2023	A2-TW-0001857-23145-N	Petroleum Hydrocarbons (as Diesel)	200	62.8 UG/L	Detection
A2-HYD84	FH 84	10/19/2023	A2-DL-0017657-23145-N	Petroleum Hydrocarbons (as Diesel)	200	56.8 UG/L	Detection
A2-HYD2-16	FH Z-16	10/19/2023	A2-DL-0017656-23145-N	Petroleum Hydrocarbons (as Diesel)	200	58.9 UG/L	Detection
D3-OHAN0731	731 Ohana Nui Circle	10/20/2023	D3-TW-0009464-23162-N	Petroleum Hydrocarbons (as Diesel)	200	56 UG/L	Detection
A3-WELU4772A	4772A West Elua Way	10/20/2023	A3-TW-0016821-23157-N	Petroleum Hydrocarbons (as Diesel)	200	57.7 UG/L	Detection
A3-WELU4772A	4772A West Elua Way	10/20/2023	A3-TW-0016821-23157-3-N	Petroleum Hydrocarbons (as Diesel)	200	54.5 UG/L	Detection
A3-FULM5834A	5834A Fulmar Avenue	10/20/2023	A3-TW-0016372-23157-N	Petroleum Hydrocarbons (as Diesel)	200	50.1 UG/L	Detection
D2-JULI0015	15 Julian Avenue	10/20/2023	D2-TW-0008053-23157-N	Petroleum Hydrocarbons (as Diesel)	200	50.2 UG/L	Detection
A3-IROQ5007A	5007A Iroquois Avenue	10/20/2023	A3-TW-0016622-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.3 UG/L	Detection
A1-ETCE0269	269 Etecell Court	10/20/2023	A1-TW-0001237-23139-N	Petroleum Hydrocarbons (as Diesel)	200	71.2 UG/L	Detection
A3-IROQ5075B	5075B Iroquois Avenue	10/20/2023	A3-TW-0017222-23157-N	Petroleum Hydrocarbons (as Diesel)	200	63.4 UG/L	Detection
A3-IROQ5089A	5089A Iroquois Avenue	10/20/2023	A3-TW-0017227-23157-N	Petroleum Hydrocarbons (as Diesel)	200	52.4 UG/L	Detection
D3-BLDG1335H	School Age Center, Building	10/23/2023	D3-TW-0015141-23162-N-1	Petroleum Hydrocarbons (as Diesel)	200	64.4 UG/L	Detection
D3-BLDG1335H	School Age Center, Building	10/23/2023	D3-TW-0015141-23162-N-2	Petroleum Hydrocarbons (as Diesel)	200	53.4 UG/L	Detection
D3-OHAN0528	528 Ohana Nui Circle	10/23/2023	D3-TW-0010297-23162-N	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L	Detection
D3-BLDG1654H	Hickam West CDC, Building	10/23/2023	D3-TW-0015153-23162-N-1	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-2	Petroleum Hydrocarbons (as Diesel)	200	60.2 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-5	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L	Detection
D3-BLDG2192H	Building 2192H	10/23/2023	D3-TW-0015212-23162-N	Petroleum Hydrocarbons (as Diesel)	200	56.1 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-3	Petroleum Hydrocarbons (as Diesel)	200	65.2 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-4	Petroleum Hydrocarbons (as Diesel)	200	52.6 UG/L	Detection
D3-OHAN0145	145 Ohana Nui Circle	10/23/2023	D3-TW-0010204-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	51.7 UG/L	Detection
D3-OHAN0125	125 Ohana Nui Circle	10/23/2023	D3-TW-0010194-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	55.7 UG/L	Detection
D3-OHAN0321	321 Ohana Nui Circle	10/23/2023	D3-TW-0010240-23162-N	Petroleum Hydrocarbons (as Diesel)	200	52.8 UG/L	Detection
D3-BLDG2104H	Building 2104H	10/23/2023	D3-TW-0015192-23162-N	Petroleum Hydrocarbons (as Diesel)	200	53.6 UG/L	Detection
D3-OHAN0137	137 Ohana Nui Circle	10/23/2023	D3-TW-0010201-23162-N	Petroleum Hydrocarbons (as Diesel)	200	93.9 UG/L	Detection
D3-PILO0162	162 Pilokea Lane	10/24/2023	D3-TW-0010338-23162-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D3-OHAN0832	832 Ohana Nui Circle	10/24/2023	D3-TW-0009525-23162-N	Petroleum Hydrocarbons (as Diesel)	200	76.5 UG/L	Detection
D3-HYD0188	FH 188	10/24/2023	D3-DL-0017729-23162-N	Petroleum Hydrocarbons (as Diesel)	200	63 UG/L	Detection
D3-OHAN0214	214 Ohana Nui Circle	10/24/2023	D3-TW-0010227-23162-N	Petroleum Hydrocarbons (as Diesel)	200	64.4 UG/L	Detection

D3-HYD0213	FH 213	10/24/2023	D3-DL-0017735-23162-N	Petroleum Hydrocarbons (as Diesel)	200	72.9 UG/L	Detection
D3-HYD0219	FH 219	10/24/2023	D3-DL-0017733-23162-N	Petroleum Hydrocarbons (as Diesel)	200	86.3 UG/L	Detection
D3-HYD0222	FH 222	10/24/2023	D3-DL-0017730-23162-N	Petroleum Hydrocarbons (as Diesel)	200	84.6 UG/L	Detection
D3-OKIK0306	306 Okika Street	10/24/2023	D3-TW-0009572-23162-N	Petroleum Hydrocarbons (as Diesel)	200	63.7 UG/L	Detection
D3-KOKO0132	132 Kokomalei Street	10/24/2023	D3-TW-0009788-23162-N	Petroleum Hydrocarbons (as Diesel)	200	70.2 UG/L	Detection
D3-HYD0222	FH 222	10/24/2023	D3-DL-0017730-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	68.3 UG/L	Detection
D3-HYD0520	FH 520	10/24/2023	D3-DL-0017734-23162-N	Petroleum Hydrocarbons (as Diesel)	200	56.7 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/24/2023	H1-TW-0013107-23147-A-R1	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D3-OKIK0333	333 Okika Street	10/24/2023	D3-TW-0009581-23162-N	Petroleum Hydrocarbons (as Diesel)	200	75.9 UG/L	Detection
A1-HYD72	Hydrant 72	10/24/2023	A1-DL-0016027-23139-N	Petroleum Hydrocarbons (as Diesel)	200	88.2 UG/L	Detection
D3-OHAN0731	731 Ohana Nui Circle	10/25/2023	D3-TW-0009464-23162-N-1	Petroleum Hydrocarbons (as Diesel)	200	65.9 UG/L	Detection
B1-HAPU2879D	2879D Hapue Loop	10/25/2023	B1-TW-0017620-23147-N	Petroleum Hydrocarbons (as Diesel)	200	51.7 UG/L	Detection
D1-THAT0614	614 Thatcher Court	10/25/2023	D1-TW-0000833-23145-N	Petroleum Hydrocarbons (as Diesel)	200	75.5 UG/L	Detection
A3-EONO4936C	4936C Eono Way	10/25/2023	A3-TW-0016877-23157-N	Petroleum Hydrocarbons (as Diesel)	200	72.4 UG/L	Detection
B1-OLIA2921B	2921B Olliana Loop	10/25/2023	B1-TW-0017574-23147-N	Petroleum Hydrocarbons (as Diesel)	200	66.7 UG/L	Detection
E1-MAKI0001	1 Makin Place	10/25/2023	E1-TW-0010722-23152-N	Petroleum Hydrocarbons (as Diesel)	200	92.6 UG/L	Detection
A3-HERO6089A	6089A Heron Avenue	10/25/2023	A3-TW-0016252-23157-N	Petroleum Hydrocarbons (as Diesel)	200	69.4 UG/L	Detection
D1-CVAL3309	3309C Valdez Place	10/25/2023	D1-TW-0001202-23145-N	Petroleum Hydrocarbons (as Diesel)	200	69.3 UG/L	Detection
D1-CVAL3309	3309C Valdez Place	10/25/2023	D1-TW-0001202-23145-N	Petroleum Hydrocarbons (as Diesel)	200	78.4 UG/L	Detection
A3-HYD1743	A3-SA-JFH-44	10/25/2023	A3-DL-0017762-23157-N	Petroleum Hydrocarbons (as Diesel)	200	84.4 UG/L	Detection
A3-HYD663	SA-JFH-52	10/25/2023	A3-DL-0017764-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.1 UG/L	Detection
D1-WTEAO800	800 West Teaff Court	10/25/2023	D1-TW-0000842-23145-N	Petroleum Hydrocarbons (as Diesel)	200	79.2 UG/L	Detection
A3-HYD809	SA-JFH-28	10/25/2023	A3-DL-0017766-23157-N	Petroleum Hydrocarbons (as Diesel)	200	86.8 UG/L	Detection
D1-WAGO1712	1712 Wagoner Court	10/25/2023	D1-TW-0000978-23145-N	Petroleum Hydrocarbons (as Diesel)	200	53.8 UG/L	Detection
A3-HYD920	SA-JFH-7	10/25/2023	A3-DL-0017768-23157-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D1-WAGO1711	1711 Wagoner Court	10/25/2023	D1-TW-0000977-23145-N	Petroleum Hydrocarbons (as Diesel)	200	73.2 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-3	Petroleum Hydrocarbons (as Diesel)	200	59.4 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-R2	Petroleum Hydrocarbons (as Diesel)	200	60.9 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-1	Petroleum Hydrocarbons (as Diesel)	200	79.4 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-2	Petroleum Hydrocarbons (as Diesel)	200	85.7 UG/L	Detection
F1-TAYL3446	3446 Taylor Street	10/26/2023	F1-TW-0008552-23155-N	Petroleum Hydrocarbons (as Diesel)	200	51.6 UG/L	Detection
F1-TOMI3216	3216 Tomich Court	10/26/2023	F1-TW-0008640-23155-N	Petroleum Hydrocarbons (as Diesel)	200	54.8 UG/L	Detection
H1-AMA 3341	3341 Ama Drive	10/26/2023	H1-TW-0013191-23147-A	Petroleum Hydrocarbons (as Diesel)	200	90.1 UG/L	Detection
F1-HYD0609	FH ID: FH:609	10/26/2023	F1-DL-0017725-23155-N	Petroleum Hydrocarbons (as Diesel)	200	55.3 UG/L	Detection
F1-HYD028A	FH ID: FH:28A	10/26/2023	F1-DL-0017722-23155-N	Petroleum Hydrocarbons (as Diesel)	200	92.5 UG/L	Detection
F1-HYD009A	FH ID: FH:9A	10/26/2023	F1-DL-0017719-23155-N	Petroleum Hydrocarbons (as Diesel)	200	79.7 UG/L	Detection
F1-HYD014A	FH ID: FH:14A	10/26/2023	F1-DL-0017720-23155-N	Petroleum Hydrocarbons (as Diesel)	200	92.5 UG/L	Detection
F1-HYD029A	FH ID: FH:29A	10/26/2023	F1-DL-0017723-23155-N	Petroleum Hydrocarbons (as Diesel)	200	91.1 UG/L	Detection
D1-KAUF1514	1514 Kaufman Court	10/26/2023	D1-TW-0000948-23145-N	Petroleum Hydrocarbons (as Diesel)	200	62.8 UG/L	Detection
F1-HYD2134	FH ID: FH-11A	10/26/2023	F1-DL-0000595-23155-N	Petroleum Hydrocarbons (as Diesel)	200	97.7 UG/L	Detection
F1-TAYL3452	3452 Taylor Street	10/26/2023	F1-TW-0008555-23155-N	Petroleum Hydrocarbons (as Diesel)	200	58.8 UG/L	Detection
F1-WARD5142	5142 Warden Court	10/26/2023	F1-TW-0008656-23155-N	Petroleum Hydrocarbons (as Diesel)	200	51.3 UG/L	Detection
F1-KIDD5009	5009 Kidd Street	10/27/2023	F1-TW-0008815-23155-N	Petroleum Hydrocarbons (as Diesel)	200	85.6 UG/L	Detection
F1-TAYL3448	3448 Taylor Street	10/27/2023	F1-TW-0008553-23155-N	Petroleum Hydrocarbons (as Diesel)	200	73.8 UG/L	Detection
I1-CONI1726	1726 Conifer Place	10/27/2023	I1-TW-0014063-23130-A	Petroleum Hydrocarbons (as Diesel)	200	83.8 UG/L	Detection
G1-BLDG0500	Building 500	10/27/2023	G1-TW-0015397-23147-N	Petroleum Hydrocarbons (as Diesel)	200	91.2 UG/L	Detection
G1-BLDG0080	Building 80	10/27/2023	G1-TW-0017523-23147-N	Petroleum Hydrocarbons (as Diesel)	200	89.4 UG/L	Detection
F1-CAKO4523	4523 Cakon Place	10/27/2023	F1-TW-0009170-23155-N	Petroleum Hydrocarbons (as Diesel)	200	60.8 UG/L	Detection
I1-COWS1604	1604 Cowslip Lane	10/27/2023	I1-TW-0014073-23130-A	Petroleum Hydrocarbons (as Diesel)	200	92.4 UG/L	Detection
D2-FOX1401	1401 Fox Boulevard	10/30/2023	D2-TW-0007513-23157-N	Petroleum Hydrocarbons (as Diesel)	200	91.4 UG/L	Detection
D2-JULI0115	115 Julian Avenue	10/30/2023	D2-TW-0007258-23157-N	Petroleum Hydrocarbons (as Diesel)	200	72.6 UG/L	Detection
D3-OHAN0933	933 Ohana Nui Circle	11/2/2023	D3-TW-0009997-23162-N	Petroleum Hydrocarbons (as Diesel)	200	77.9 UG/L	Detection
B1-MCGR0837	837 McGrew Loop	11/2/2023	B1-TW-0009432-23147-N-R1	Petroleum Hydrocarbons (as Diesel)	200	61.9 UG/L	Detection

Location	Address	Sampling Date	Client Sample ID	Analyte Name	Screening Level	Reported Results	Units	Screening
A3-WEKA4742B	4742B West Ekahi Way	10/3/2023	A3-TW-0016778-23157-N	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L		Detection
A3-10456577A	6577A 104th Street	10/3/2023	A3-TW-0017389-23157-N	Petroleum Hydrocarbons (as Diesel)	200	68.7 UG/L		Detection
A3-HERO6150	6150 Heron Avenue	10/4/2023	A3-TW-0016577-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65 UG/L		Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023	A3-TW-0017213-23157-N	Petroleum Hydrocarbons (as Diesel)	200	88.4 UG/L		Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023	A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.7 UG/L		Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023	A3-TW-0017213-23157-N	Petroleum Hydrocarbons (as Diesel)	200	88.4 UG/L		Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023	A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.7 UG/L		Detection
A3-HERO6161A	6161A Heron Avenue	10/4/2023	A3-TW-0016588-23157-N	Petroleum Hydrocarbons (as Diesel)	200	92.7 UG/L		Detection
A3-HERO6087B	6087B Heron Avenue	10/4/2023	A3-TW-0016251-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.3 UG/L		Detection
A3-IROQ5133A	5133A Iroquois Avenue	10/4/2023	A3-TW-0016085-23157-N	Petroleum Hydrocarbons (as Diesel)	200	57.9 UG/L		Detection
A3-HERO6143A	6143A Heron Avenue	10/4/2023	A3-TW-0016573-23157-N	Petroleum Hydrocarbons (as Diesel)	200	55.9 UG/L		Detection
A3-10456558B	6558B 104th Street	10/4/2023	A3-TW-0017376-23157-N	Petroleum Hydrocarbons (as Diesel)	200	59.9 UG/L		Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023	A3-TW-0017213-23157-N	Petroleum Hydrocarbons (as Diesel)	200	88.4 UG/L		Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023	A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.7 UG/L		Detection
A3-HERO6161A	6161A Heron Avenue	10/4/2023	A3-TW-0016588-23157-N	Petroleum Hydrocarbons (as Diesel)	200	92.7 UG/L		Detection
A3-HERO6087B	6087B Heron Avenue	10/4/2023	A3-TW-0016251-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.3 UG/L		Detection
A3-IROQ5133A	5133A Iroquois Avenue	10/4/2023	A3-TW-0016085-23157-N	Petroleum Hydrocarbons (as Diesel)	200	57.9 UG/L		Detection
A3-HERO6143A	6143A Heron Avenue	10/4/2023	A3-TW-0016573-23157-N	Petroleum Hydrocarbons (as Diesel)	200	55.9 UG/L		Detection
A3-10456558B	6558B 104th Street	10/4/2023	A3-TW-0017376-23157-N	Petroleum Hydrocarbons (as Diesel)	200	59.9 UG/L		Detection
A3-11056810A	6810A 110th Street	10/5/2023	A3-TW-0017421-23157-N	Petroleum Hydrocarbons (as Diesel)	200	55.6 UG/L		Detection
A3-WELU4774B	4774B West Elua Way	10/5/2023	A3-TW-0016830-23157-N	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L		Detection
A3-IROQ5151	5151 Iroquois Avenue	10/5/2023	A3-TW-0016280-23157-N	Petroleum Hydrocarbons (as Diesel)	200	58.6 UG/L		Detection
A3-KELA4974C	4974C Kela Place	10/5/2023	A3-TW-0016844-23157-N	Petroleum Hydrocarbons (as Diesel)	200	61.5 UG/L		Detection
A3-EONO4938B	4938B Eono Way	10/5/2023	A3-TW-0016884-23157-N	Petroleum Hydrocarbons (as Diesel)	200	67.7 UG/L		Detection
F2-SAND0719	719 Sanders Circle	10/6/2023	F2-TW-0010868-23155-N	Petroleum Hydrocarbons (as Diesel)	200	56.3 UG/L		Detection
D2-HYD321	FH:321	10/6/2023	D2-DL-0017709-23157-N	Petroleum Hydrocarbons (as Diesel)	200	61.8 UG/L		Detection
D2-HYD365	FH:365	10/6/2023	D2-DL-0017717-23157-N	Petroleum Hydrocarbons (as Diesel)	200	64.1 UG/L		Detection
F2-HYD0003	FH 3	10/6/2023	F2-DL-0017772-23155-N	Petroleum Hydrocarbons (as Diesel)	200	95.2 UG/L		Detection
D2-HYD0498	FH:509	10/6/2023	D2-DL-0017715-23157-N	Petroleum Hydrocarbons (as Diesel)	200	114 UG/L		Detection
F2-HYD0011	FH 11	10/6/2023	F2-DL-0017745-23155-N	Petroleum Hydrocarbons (as Diesel)	200	71.7 UG/L		Detection
D2-HYD56	FH:056	10/6/2023	D2-DL-0017708-23157-N	Petroleum Hydrocarbons (as Diesel)	200	63.3 UG/L		Detection
F2-HYD0012	FH 12 (F2-HYD1338)	10/6/2023	F2-DL-0017776-23155-N	Petroleum Hydrocarbons (as Diesel)	200	87.4 UG/L		Detection
D2-HYD84	FH:084	10/6/2023	D2-DL-0017713-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.1 UG/L		Detection
D2-HYD1610	FH:074	10/6/2023	D2-DL-0000583-23157-N	Petroleum Hydrocarbons (as Diesel)	200	76.8 UG/L		Detection
F2-HYD0014	FH 14	10/6/2023	F2-DL-0017746-23155-N	Petroleum Hydrocarbons (as Diesel)	200	101 UG/L		Detection
D2-HYD236	FH:236 (Possibly HYD263, H'	10/6/2023	D2-DL-0017711-23157-N	Petroleum Hydrocarbons (as Diesel)	200	115 UG/L		Detection
D2-HYD0079	FH:519	10/6/2023	D2-DL-0017714-23157-N	Petroleum Hydrocarbons (as Diesel)	200	80.9 UG/L		Detection
F2-ARIZ2782	2782 Arizona Road	10/9/2023	F2-TW-0010780-23155-N	Petroleum Hydrocarbons (as Diesel)	200	73.7 UG/L		Detection
F2-DRIS2991	2991 Driskell Drive	10/9/2023	F2-TW-0011444-23155-N	Petroleum Hydrocarbons (as Diesel)	200	103 UG/L		Detection
F1-FUQU5201	5201 Fuqua Lane	10/9/2023	F1-TW-0009213-23155-N	Petroleum Hydrocarbons (as Diesel)	200	78.6 UG/L		Detection
F2-BENF5423	5423 Benfold Lane	10/9/2023	F2-TW-0011059-23155-N	Petroleum Hydrocarbons (as Diesel)	200	85.2 UG/L		Detection
F2-FINC4116	4116 Fincher Street	10/9/2023	F2-TW-0011469-23155-N	Petroleum Hydrocarbons (as Diesel)	200	64.6 UG/L		Detection
F1-TAYL3407	3407 Taylor Street	10/9/2023	F1-TW-0009150-23155-N	Petroleum Hydrocarbons (as Diesel)	200	69.8 UG/L		Detection
F2-ANDE2968	2968 Anderson Avenue	10/9/2023	F2-TW-0009602-23155-N	Petroleum Hydrocarbons (as Diesel)	200	84.9 UG/L		Detection
F1-TAYL3407	3407 Taylor Street	10/9/2023	F1-TW-0009150-23155-3-N	Petroleum Hydrocarbons (as Diesel)	200	83.1 UG/L		Detection
F2-STOW2739	2739 Stowell Circle	10/9/2023	F2-TW-0009280-23155-N	Petroleum Hydrocarbons (as Diesel)	200	66.9 UG/L		Detection
F2-STOW2739	2739 Stowell Circle	10/9/2023	F2-TW-0009280-23155-3-N	Petroleum Hydrocarbons (as Diesel)	200	72.3 UG/L		Detection
F2-DEWE0569	569 Dewert Court	10/9/2023	F2-TW-0011152-23155-N	Petroleum Hydrocarbons (as Diesel)	200	89.7 UG/L		Detection
F2-VAES3044	3044 Vaessen Court	10/9/2023	F2-TW-0009336-23155-N	Petroleum Hydrocarbons (as Diesel)	200	89.5 UG/L		Detection
F1-MCMO5406	5406 McMorris Drive	10/9/2023	F1-TW-0008836-23155-N	Petroleum Hydrocarbons (as Diesel)	200	66.8 UG/L		Detection
F2-COLE4110	4110 Colegrove Street	10/9/2023	F2-TW-0011127-23155-N	Petroleum Hydrocarbons (as Diesel)	200	87.9 UG/L		Detection
F1-TAYL3418	3418 Taylor Street	10/9/2023	F1-TW-0009161-23155-N	Petroleum Hydrocarbons (as Diesel)	200	77.5 UG/L		Detection
F2-GORD2736	2736 Gordon Street	10/9/2023	F2-TW-0011594-23155-N	Petroleum Hydrocarbons (as Diesel)	200	79.3 UG/L		Detection
H1-BOUG0255	255 Bougainvillea Loop	10/10/2023	H1-TW-0013304-23147-A	Petroleum Hydrocarbons (as Diesel)	200	72.1 UG/L		Detection
H1-KOU 4665	4665 Kou Lane	10/10/2023	H1-TW-0013055-23147-A	Petroleum Hydrocarbons (as Diesel)	200	58.7 UG/L		Detection
H1-KOBA4410	4410 Kobashigawa Street	10/10/2023	H1-TW-0012998-23147-A	Petroleum Hydrocarbons (as Diesel)	200	68.9 UG/L		Detection
H1-CROT4312	4312 Croton Street	10/10/2023	H1-TW-0012810-23147-A	Petroleum Hydrocarbons (as Diesel)	200	75.7 UG/L		Detection
H1-BAMB3610	3610 Bamboo Lane	10/10/2023	H1-TW-0013238-23147-A	Petroleum Hydrocarbons (as Diesel)	200	52.6 UG/L		Detection
H1-MACA5048	5048 Macadamia Lane	10/10/2023	H1-TW-0013093-23147-A	Petroleum Hydrocarbons (as Diesel)	200	63.4 UG/L		Detection
H1-IXOR6613	6613 Ikora Lane	10/10/2023	H1-TW-0012937-23147-A	Petroleum Hydrocarbons (as Diesel)	200	63 UG/L		Detection
H1-GUAV3827	3827 Guava Lane	10/10/2023	H1-TW-0012859-23147-3-A	Petroleum Hydrocarbons (as Diesel)	200	111 UG/L		Detection
H2-HYD1646A	Hydrant 1646	10/10/2023	H2-DL-0000688-23155-A	Petroleum Hydrocarbons (as Diesel)	200	72.1 UG/L		Detection
H1-GARD4609	4609 Gardenia Lane	10/10/2023	H1-TW-0012830-23147-A	Petroleum Hydrocarbons (as Diesel)	200	61.6 UG/L		Detection
H2-HYD1646A	Hydrant 1646	10/10/2023	H2-DL-0000688-23155-3-A	Petroleum Hydrocarbons (as Diesel)	200	66.8 UG/L		Detection
H1-BLDG1782	AMR Child & Youth Services	10/10/2023	H1-TW-0017683-23147-A-1	Petroleum Hydrocarbons (as Diesel)	200	78.3 UG/L		Detection
H1-HYD1396A	Hydrant 1396	10/10/2023	H1-DL-0017754-23147-A	Petroleum Hydrocarbons (as Diesel)	200	60.8 UG/L		Detection
F2-HYD003A	FH 3A	10/12/2023	F2-DL-0017773-23155-N	Petroleum Hydrocarbons (as Diesel)	200	59.1 UG/L		Detection
B1-HONU1185	1185 Honu Loop	10/12/2023	B1-TW-0010505-23147-3-N	Petroleum Hydrocarbons (as Diesel)	200	69.6 UG/L		Detection
E1-HYD1216	FH 1216	10/12/2023	E1-DL-0017799-23152-N	Petroleum Hydrocarbons (as Diesel)	200	74.1 UG/L		Detection
E1-HYD1216	FH 1216	10/12/2023	E1-DL-0017799-23152-3-N	Petroleum Hydrocarbons (as Diesel)	200	58.5 UG/L		Detection
F2-HYD0213	FH 213 (Possibly F2-HYD002	10/12/2023	F2-DL-0017774-23155-N	Petroleum Hydrocarbons (as Diesel)	200	72.7 UG/L		Detection
F2-HYD071A	FH 71A	10/12/2023	F2-DL-0017751-23155-N	Petroleum Hydrocarbons (as Diesel)	200	55.8 UG/L		Detection
E1-HYD2250	FH 2250	10/12/2023	E1-DL-0017800-23152-N	Petroleum Hydrocarbons (as Diesel)	200	56.9 UG/L		Detection
B1-MCGR0365	365 McGrew Loop	10/12/2023	B1-TW-0010515-23147-N	Petroleum Hydrocarbons (as Diesel)	200	61.4 UG/L		Detection

B1-MCGR0450	450 McGrew Loop	10/12/2023	B1-TW-0009369-23147-N	Petroleum Hydrocarbons (as Diesel)	200	68.4 UG/L	Detection
F2-HYD0520	FH 520 (Possibly F2-HYD001	10/12/2023	F2-DL-0017775-23155-N	Petroleum Hydrocarbons (as Diesel)	200	77.1 UG/L	Detection
F2-HYD0039	FH 39	10/12/2023	F2-DL-0017749-23155-3-N	Petroleum Hydrocarbons (as Diesel)	200	60.1 UG/L	Detection
F2-HYD0039	FH 39	10/12/2023	F2-DL-0017749-23155-N	Petroleum Hydrocarbons (as Diesel)	200	54.2 UG/L	Detection
F2-HYD0047	FH 47	10/12/2023	F2-DL-0017750-23155-N	Petroleum Hydrocarbons (as Diesel)	200	63.7 UG/L	Detection
D1-HUTT0923	923 Huttenberg Court	10/13/2023	D1-TW-0000815-23145-N	Petroleum Hydrocarbons (as Diesel)	200	63.8 UG/L	Detection
D1-HUTT0923	923 Huttenberg Court	10/13/2023	D1-TW-0000815-23145-3-N	Petroleum Hydrocarbons (as Diesel)	200	59.6 UG/L	Detection
D1-HYD771	FH ID: 771	10/13/2023	D1-DL-0017562-23145-N	Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
H3-BLAC1805	1805 Blackthorn Loop	10/13/2023	H3-TW-0013888-23155-A	Petroleum Hydrocarbons (as Diesel)	200	81.9 UG/L	Detection
D1-KAUF1513	1513 Kaufman Court	10/13/2023	D1-TW-0000947-23145-N	Petroleum Hydrocarbons (as Diesel)	200	61.4 UG/L	Detection
F1-PHAR4310	4310 Pharris Place	10/13/2023	F1-TW-0009048-23155-N	Petroleum Hydrocarbons (as Diesel)	200	52.2 UG/L	Detection
H3-VALL0559	559 Valley View Loop	10/13/2023	H3-TW-0013860-23155-A	Petroleum Hydrocarbons (as Diesel)	200	80.7 UG/L	Detection
D2-HYD420	FH:420	10/16/2023	D2-DL-0017707-23157-N	Petroleum Hydrocarbons (as Diesel)	200	79 UG/L	Detection
D3-HVD2080	FH ID: 473	10/16/2023	D3-DL-0000547-23162-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D2-2ND0132	132 2nd Street	10/16/2023	D2-TW-0006956-23157-3-N	Petroleum Hydrocarbons (as Diesel)	200	96.7 UG/L	Detection
D3-HYD0411	FH 411	10/16/2023	D3-DL-0017731-23162-N	Petroleum Hydrocarbons (as Diesel)	200	87.2 UG/L	Detection
H1-CENT2251	2251 Center Street	10/16/2023	H1-TW-0012739-23147-A	Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
D3-MELI0228	228 Melia Street	10/16/2023	D3-TW-0011273-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	81.7 UG/L	Detection
D2-3RD0208	208 3rd Street	10/16/2023	D2-TW-0007012-23157-N	Petroleum Hydrocarbons (as Diesel)	200	85.9 UG/L	Detection
D2-PORT1706	1706 Porter Avenue	10/16/2023	D2-TW-0008433-23157-N	Petroleum Hydrocarbons (as Diesel)	200	78.8 UG/L	Detection
A1-HYD55B	Hydrant 55B	10/17/2023	A1-DL-0016025-23139-N	Petroleum Hydrocarbons (as Diesel)	200	71.5 UG/L	Detection
A1-HYD2254	FH ID: SA-AFH 7	10/17/2023	A1-DL-0000510-23139-N	Petroleum Hydrocarbons (as Diesel)	200	82 UG/L	Detection
A1-LOWE1108	1108 Lowella Avenue	10/17/2023	A1-TW-0001319-23139-N	Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
A1-LOWE1108	1108 Lowella Avenue	10/17/2023	A1-TW-0001319-23139-3-N	Petroleum Hydrocarbons (as Diesel)	200	52.1 UG/L	Detection
A3-10656686A	6686A 106th Street	10/17/2023	A3-TW-0016919-23157-N	Petroleum Hydrocarbons (as Diesel)	200	85.8 UG/L	Detection
A1-AUST0185	185 Austin Court	10/17/2023	A1-TW-0001596-23139-N	Petroleum Hydrocarbons (as Diesel)	200	97.7 UG/L	Detection
A3-10256470	6470 102nd Street	10/17/2023	A3-TW-0016095-23157-N	Petroleum Hydrocarbons (as Diesel)	200	70.9 UG/L	Detection
A3-ERNE5773	5773 Erne Avenue	10/17/2023	A3-TW-0017012-23157-N	Petroleum Hydrocarbons (as Diesel)	200	91 UG/L	Detection
A1-ALOH1600	1600 Aloha Avenue	10/17/2023	A1-TW-0001561-23139-N	Petroleum Hydrocarbons (as Diesel)	200	101 UG/L	Detection
A1-ALOH1600	1600 Aloha Avenue	10/17/2023	A1-TW-0001561-23139-3-N	Petroleum Hydrocarbons (as Diesel)	200	96.8 UG/L	Detection
C1-HYD1765	FH ID: FH 503	10/18/2023	C1-DL-0000526-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	89.9 UG/L	Detection
C1-HYD1765	FH ID: FH 503	10/18/2023	C1-DL-0000526-23162-N	Petroleum Hydrocarbons (as Diesel)	200	67.4 UG/L	Detection
D2-BLDG559H	Building 559H	10/18/2023	D2-TW-0015476-23157-N	Petroleum Hydrocarbons (as Diesel)	200	98.8 UG/L	Detection
C3-BLDG0011	Building 11	10/18/2023	C3-TW-0015037-23162-N-T	Petroleum Hydrocarbons (as Diesel)	200	88.2 UG/L	Detection
C1-HYD354	FHID: 479	10/18/2023	C1-DL-0017791-23162-N	Petroleum Hydrocarbons (as Diesel)	200	98.1 UG/L	Detection
C3-HYD2298	C2-FH177	10/18/2023	C3-DL-0017798-23162-N	Petroleum Hydrocarbons (as Diesel)	200	89.1 UG/L	Detection
C1-HYD444	FHID: 413	10/18/2023	C1-DL-0017788-23162-N	Petroleum Hydrocarbons (as Diesel)	200	86.3 UG/L	Detection
C2-HYD421	C2-FH246	10/18/2023	C2-DL-0017796-23162-N	Petroleum Hydrocarbons (as Diesel)	200	91.3 UG/L	Detection
D3-MELI0246	246 Melia Street	10/18/2023	D3-TW-0011287-23162-N	Petroleum Hydrocarbons (as Diesel)	200	51 UG/L	Detection
C2-HYD421	C2-FH246	10/18/2023	C2-DL-0017796-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	85.7 UG/L	Detection
C2-HYD660	Hydrant 303	10/18/2023	C2-DL-0017797-23162-N	Petroleum Hydrocarbons (as Diesel)	200	89.4 UG/L	Detection
C1-BLDG1407	Building 1407	10/18/2023	C1-TW-00014730-23162-N	Petroleum Hydrocarbons (as Diesel)	200	70.1 UG/L	Detection
A2-HYD214	FH 214	10/19/2023	A2-DL-0017662-23145-N	Petroleum Hydrocarbons (as Diesel)	200	63.5 UG/L	Detection
A2-HYD7-13	FH 7-13	10/19/2023	A2-DL-0017655-23145-N	Petroleum Hydrocarbons (as Diesel)	200	50.9 UG/L	Detection
A3-EHA4858B	4858B East Eha Way	10/19/2023	A3-TW-0017354-23157-N	Petroleum Hydrocarbons (as Diesel)	200	91.6 UG/L	Detection
A2-HYD7-4	FH 7-4	10/19/2023	A2-DL-0017658-23145-N	Petroleum Hydrocarbons (as Diesel)	200	81.4 UG/L	Detection
A2-HYD543	FH ID: 3-1	10/19/2023	A2-DL-0000507-23145-N	Petroleum Hydrocarbons (as Diesel)	200	63.6 UG/L	Detection
A3-IROQ5238	5238 Iroquois Avenue	10/19/2023	A3-TW-0016271-23157-N	Petroleum Hydrocarbons (as Diesel)	200	59.7 UG/L	Detection
A2-KAME4755	4755 Kamehameha Loop	10/19/2023	A2-TW-0001857-23145-N	Petroleum Hydrocarbons (as Diesel)	200	62.8 UG/L	Detection
A2-HYD84	FH 84	10/19/2023	A2-DL-0017657-23145-N	Petroleum Hydrocarbons (as Diesel)	200	56.8 UG/L	Detection
A2-HYDZ-16	FH Z-16	10/19/2023	A2-DL-0017656-23145-N	Petroleum Hydrocarbons (as Diesel)	200	58.9 UG/L	Detection
D3-OHAN0731	731 Ohana Nui Circle	10/20/2023	D3-TW-0009464-23162-N	Petroleum Hydrocarbons (as Diesel)	200	56 UG/L	Detection
A3-WELU4772A	4772A West Elua Way	10/20/2023	A3-TW-0016821-23157-N	Petroleum Hydrocarbons (as Diesel)	200	57.7 UG/L	Detection
A3-WELU4772A	4772A West Elua Way	10/20/2023	A3-TW-0016821-23157-3-N	Petroleum Hydrocarbons (as Diesel)	200	54.5 UG/L	Detection
A3-FULM5834A	5834A Fulmar Avenue	10/20/2023	A3-TW-00016372-23157-N	Petroleum Hydrocarbons (as Diesel)	200	50.1 UG/L	Detection
D2-JULI0015	15 Julian Avenue	10/20/2023	D2-TW-0008053-23157-N	Petroleum Hydrocarbons (as Diesel)	200	50.2 UG/L	Detection
A3-IROQ5007A	5007A Iroquois Avenue	10/20/2023	A3-TW-0016622-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.3 UG/L	Detection
A1-ETCE0269	269 Etccll Court	10/20/2023	A1-TW-0001237-23139-N	Petroleum Hydrocarbons (as Diesel)	200	71.2 UG/L	Detection
A3-IROQ5075B	5075B Iroquois Avenue	10/20/2023	A3-TW-0017222-23157-N	Petroleum Hydrocarbons (as Diesel)	200	63.4 UG/L	Detection
A3-IROQ5089A	5089A Iroquois Avenue	10/20/2023	A3-TW-0017227-23157-N	Petroleum Hydrocarbons (as Diesel)	200	54.4 UG/L	Detection
D3-BLDG1335H	School Age Center, Building	10/23/2023	D3-TW-0015141-23162-N-1	Petroleum Hydrocarbons (as Diesel)	200	62.4 UG/L	Detection
D3-BLDG1335H	School Age Center, Building	10/23/2023	D3-TW-0015141-23162-N-2	Petroleum Hydrocarbons (as Diesel)	200	53.4 UG/L	Detection
D3-OHAN0528	528 Ohana Nui Circle	10/23/2023	D3-TW-0010297-23162-N	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L	Detection
D3-BLDG1654H	Hickam West CDC, Building	10/23/2023	D3-TW-0015153-23162-N-1	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-2	Petroleum Hydrocarbons (as Diesel)	200	60.2 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-5	Petroleum Hydrocarbons (as Diesel)	200	51.1 UG/L	Detection
D3-BLDG2192H	Building 2192H	10/23/2023	D3-TW-0015212-23162-N	Petroleum Hydrocarbons (as Diesel)	200	56.1 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-3	Petroleum Hydrocarbons (as Diesel)	200	65.2 UG/L	Detection
D3-BLDG0520	Chester Nimitz Elementary,	10/23/2023	D3-TW-0017507-23162-N-4	Petroleum Hydrocarbons (as Diesel)	200	52.6 UG/L	Detection
D3-OHAN0145	145 Ohana Nui Circle	10/23/2023	D3-TW-0010204-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	51.7 UG/L	Detection
D3-OHAN0125	125 Ohana Nui Circle	10/23/2023	D3-TW-0010194-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	55.7 UG/L	Detection
D3-OHAN0321	321 Ohana Nui Circle	10/23/2023	D3-TW-0010240-23162-N	Petroleum Hydrocarbons (as Diesel)	200	52.8 UG/L	Detection
D3-BLDG2104H	Building 2104H	10/23/2023	D3-TW-0015192-23162-N	Petroleum Hydrocarbons (as Diesel)	200	53.6 UG/L	Detection
D3-OHAN0137	137 Ohana Nui Circle	10/23/2023	D3-TW-0010201-23162-N	Petroleum Hydrocarbons (as Diesel)	200	93.9 UG/L	Detection
D3-PILO0162	162 Pilokea Lane	10/24/2023	D3-TW-0010338-23162-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D3-OHAN0832	832 Ohana Nui Circle	10/24/2023	D3-TW-0009525-23162-N	Petroleum Hydrocarbons (as Diesel)	200	76.5 UG/L	Detection
D3-HYD0188	FH 188	10/24/2023	D3-DL-0017729-23162-N	Petroleum Hydrocarbons (as Diesel)	200	63 UG/L	Detection
D3-OHAN0214	214 Ohana Nui Circle	10/24/2023	D3-TW-0010227-23162-N	Petroleum Hydrocarbons (as Diesel)	200	64.4 UG/L	Detection

D3-HYD0213	FH 213	10/24/2023	D3-DL-0017735-23162-N	Petroleum Hydrocarbons (as Diesel)	200	72.9 UG/L	Detection
D3-HYD0219	FH 219	10/24/2023	D3-DL-0017733-23162-N	Petroleum Hydrocarbons (as Diesel)	200	86.3 UG/L	Detection
D3-HYD0222	FH 222	10/24/2023	D3-DL-0017730-23162-N	Petroleum Hydrocarbons (as Diesel)	200	84.6 UG/L	Detection
D3-OKIK0306	306 Okika Street	10/24/2023	D3-TW-0009572-23162-N	Petroleum Hydrocarbons (as Diesel)	200	63.7 UG/L	Detection
D3-KOK00132	132 Kokomalei Street	10/24/2023	D3-TW-0009788-23162-N	Petroleum Hydrocarbons (as Diesel)	200	70.2 UG/L	Detection
D3-HYD0222	FH 222	10/24/2023	D3-DL-0017730-23162-3-N	Petroleum Hydrocarbons (as Diesel)	200	68.3 UG/L	Detection
D3-HYD0520	FH 520	10/24/2023	D3-DL-0017734-23162-N	Petroleum Hydrocarbons (as Diesel)	200	56.7 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/24/2023	H1-TW-0013107-23147-A-R1	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D3-OKIK0333	333 Okika Street	10/24/2023	D3-TW-0009581-23162-N	Petroleum Hydrocarbons (as Diesel)	200	75.9 UG/L	Detection
A1-HYD72	Hydrant 72	10/24/2023	A1-DL-0016027-23139-N	Petroleum Hydrocarbons (as Diesel)	200	88.2 UG/L	Detection
D3-OHAN0731	731 Ohana Nui Circle	10/25/2023	D3-TW-0009464-23162-N-1	Petroleum Hydrocarbons (as Diesel)	200	65.9 UG/L	Detection
B1-HAPU2879D	2879D Hapue Loop	10/25/2023	B1-TW-0017620-23147-N	Petroleum Hydrocarbons (as Diesel)	200	51.7 UG/L	Detection
D1-THAT0614	614 Thatcher Court	10/25/2023	D1-TW-0000833-23145-N	Petroleum Hydrocarbons (as Diesel)	200	75.5 UG/L	Detection
A3-EONO4936C	4936C Eono Way	10/25/2023	A3-TW-0016877-23157-N	Petroleum Hydrocarbons (as Diesel)	200	72.4 UG/L	Detection
B1-OLIA2921B	2921B Olliana Loop	10/25/2023	B1-TW-0017574-23147-N	Petroleum Hydrocarbons (as Diesel)	200	66.7 UG/L	Detection
E1-MAKI0001	1 Makin Place	10/25/2023	E1-TW-0010722-23152-N	Petroleum Hydrocarbons (as Diesel)	200	92.6 UG/L	Detection
A3-HERO6089A	6089A Heron Avenue	10/25/2023	A3-TW-0016252-23157-N	Petroleum Hydrocarbons (as Diesel)	200	69.4 UG/L	Detection
D1-CVAL3309	3309C Valdez Place	10/25/2023	D1-TW-0001202-23145-N	Petroleum Hydrocarbons (as Diesel)	200	69.3 UG/L	Detection
D1-CVAL3309	3309C Valdez Place	10/25/2023	D1-TW-0001202-23145-3-N	Petroleum Hydrocarbons (as Diesel)	200	78.4 UG/L	Detection
A3-HYD1743	A3-SA-JFH-44	10/25/2023	A3-DL-0017762-23157-N	Petroleum Hydrocarbons (as Diesel)	200	84.4 UG/L	Detection
A3-HYD663	SA-JFH-52	10/25/2023	A3-DL-0017764-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.1 UG/L	Detection
D1-WTEA0800	800 West Teaff Court	10/25/2023	D1-TW-0000842-23145-N	Petroleum Hydrocarbons (as Diesel)	200	79.2 UG/L	Detection
A3-HYD809	SA-JFH-28	10/25/2023	A3-DL-0017766-23157-N	Petroleum Hydrocarbons (as Diesel)	200	86.8 UG/L	Detection
D1-WAGO1712	1712 Wagoner Court	10/25/2023	D1-TW-0000978-23145-N	Petroleum Hydrocarbons (as Diesel)	200	53.8 UG/L	Detection
A3-HYD920	SA-JFH-7	10/25/2023	A3-DL-0017768-23157-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
D1-WAGO1711	1711 Wagoner Court	10/25/2023	D1-TW-0000977-23145-N	Petroleum Hydrocarbons (as Diesel)	200	73.2 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-3	Petroleum Hydrocarbons (as Diesel)	200	59.4 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-R2	Petroleum Hydrocarbons (as Diesel)	200	60.9 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-1	Petroleum Hydrocarbons (as Diesel)	200	79.4 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023	H1-TW-0013107-23147-A-2	Petroleum Hydrocarbons (as Diesel)	200	85.7 UG/L	Detection
F1-TAYL3446	3446 Taylor Street	10/26/2023	F1-TW-0008552-23155-N	Petroleum Hydrocarbons (as Diesel)	200	51.6 UG/L	Detection
F1-TOMI3216	3216 Tomich Court	10/26/2023	F1-TW-0008640-23155-N	Petroleum Hydrocarbons (as Diesel)	200	54.8 UG/L	Detection
H1-AMA 3341	3341 Ama Drive	10/26/2023	H1-TW-0013191-23147-A	Petroleum Hydrocarbons (as Diesel)	200	90.1 UG/L	Detection
F1-HYD0609	FH ID: FH:609	10/26/2023	F1-DL-0017725-23155-N	Petroleum Hydrocarbons (as Diesel)	200	55.3 UG/L	Detection
F1-HYD028A	FH ID: FH:28A	10/26/2023	F1-DL-0017722-23155-N	Petroleum Hydrocarbons (as Diesel)	200	92.5 UG/L	Detection
F1-HYD009A	FH ID: FH:9A	10/26/2023	F1-DL-0017719-23155-N	Petroleum Hydrocarbons (as Diesel)	200	79.7 UG/L	Detection
F1-HYD014A	FH ID: FH:14A	10/26/2023	F1-DL-0017720-23155-N	Petroleum Hydrocarbons (as Diesel)	200	92.5 UG/L	Detection
F1-HYD029A	FH ID: FH:29A	10/26/2023	F1-DL-0017723-23155-N	Petroleum Hydrocarbons (as Diesel)	200	91.1 UG/L	Detection
D1-KAUF1514	1514 Kaufman Court	10/26/2023	D1-TW-0000948-23145-N	Petroleum Hydrocarbons (as Diesel)	200	62.8 UG/L	Detection
F1-HYD2134	FH ID: FH-11A	10/26/2023	F1-DL-0000595-23155-N	Petroleum Hydrocarbons (as Diesel)	200	97.7 UG/L	Detection
F1-TAYL3452	3452 Taylor Street	10/26/2023	F1-TW-0008555-23155-N	Petroleum Hydrocarbons (as Diesel)	200	58.8 UG/L	Detection
F1-WARDS142	5142 Warden Court	10/26/2023	F1-TW-0008656-23155-N	Petroleum Hydrocarbons (as Diesel)	200	51.3 UG/L	Detection
F1-KIDD5009	5009 Kidd Street	10/27/2023	F1-TW-0008815-23155-N	Petroleum Hydrocarbons (as Diesel)	200	85.6 UG/L	Detection
F1-TAYL3448	3448 Taylor Street	10/27/2023	F1-TW-0008553-23155-N	Petroleum Hydrocarbons (as Diesel)	200	73.8 UG/L	Detection
I1-CONI1726	1726 Conifer Place	10/27/2023	I1-TW-0014063-23130-A	Petroleum Hydrocarbons (as Diesel)	200	83.8 UG/L	Detection
G1-BLDG0500	Building 500	10/27/2023	G1-TW-0015397-23147-N	Petroleum Hydrocarbons (as Diesel)	200	91.2 UG/L	Detection
G1-BLDG0080	Building 80	10/27/2023	G1-TW-0017523-23147-N	Petroleum Hydrocarbons (as Diesel)	200	89.4 UG/L	Detection
F1-CAKO4523	4523 Cakon Place	10/27/2023	F1-TW-0009170-23155-N	Petroleum Hydrocarbons (as Diesel)	200	60.8 UG/L	Detection
I1-COWS1604	1604 Cowslip Lane	10/27/2023	I1-TW-0014073-23130-A	Petroleum Hydrocarbons (as Diesel)	200	92.4 UG/L	Detection
D2-FOX1401	1401 Fox Boulevard	10/30/2023	D2-TW-0007513-23157-N	Petroleum Hydrocarbons (as Diesel)	200	91.4 UG/L	Detection
D2-JULI0115	115 Julian Avenue	10/30/2023	D2-TW-0007258-23157-N	Petroleum Hydrocarbons (as Diesel)	200	72.6 UG/L	Detection
D3-OHAN0933	933 Ohana Nui Circle	11/2/2023	D3-TW-0009997-23162-N	Petroleum Hydrocarbons (as Diesel)	200	77.9 UG/L	Detection
B1-MCGR0837	837 McGrew Loop	11/2/2023	B1-TW-0009432-23147-N-R1	Petroleum Hydrocarbons (as Diesel)	200	61.9 UG/L	Detection

Stella Bernardo

From: contactus=notify2.boardofwatersupply.com@mg.boardofwatersupply.com on behalf of contactus@notify2.boardofwatersupply.com
Sent: Monday, November 27, 2023 1:58 PM
To: Stella Bernardo; Board of Water Supply Board of Directors
Subject: Board Meeting Testimony Submittal or Request - November 27, 2023 - Jamie Simic

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BWS TESTIMONY SUBMITTAL / REQUEST TO TESTIFY FORM

Form Submitted on: 11/27/2023 1:57:01 PM

Meeting Date: November 27, 2023

I wish to provide (select from list)

TESTIFIER INFORMATION

Full Name Jamie Simic

Email Deepseafamily@gmail.com

Phone (optional) (808) 782-9686

TESTIMONY DETAILS

Agenda Item Info 01 - Update on the Board of Water Supply's Response to the Potential Impacts of the Red Hill Fuel Contamination

Your Position on Matter (select from list)

Representing (select from list)

I wish to provide (select from list)

**Written
Testimony
(if entered on the
online form;
otherwise see
attached)**

ACKNOWLEDGEMENTS

**Terms and
Agreement
Check Box**

I UNDERSTAND and ACCEPT that all public meeting transcripts and testimony are public documents. Therefore, any testimony that is submitted orally or in writing, electronically or in person, for use in the meeting process is public information.

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MOTION TO
RECESS INTO
EXECUTIVE
SESSION

Chair Anthony, at 4:17 PM, called for a motion to adjourn Open Session. Edwin Sniffen so moved; seconded by Jonathan Kaneshiro and unanimously carried.

Upon unanimous approved motion, the Board recessed into Executive Session Pursuant to [HRS § 92-5 (a)(4)] at 4:18 PM to Consider Issues Pertaining to Matters Posted for Discussion at an Executive Session.

OPEN
SESSION

The Board reconvened in Open Session at 4:44 PM.

REGULAR MEETING

Upon returning from the Executive Session, Chair Anthony shared that the Board decided to opt out of the Class Action Settlements regarding the Aqueous Film-Forming Foams Products Liability Litigation MDL No. 2:18-mn-02873 and authorizes and directs the Manager and Chief Engineer to request exclusion as a settlement member from the settlement agreements.

ITEM FOR INFORMATION NO. 2

"November 27, 2023

FINANCIAL
UPDATE FOR THE
QUARTER ENDED
SEPTEMBER
30, 2023

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

Subject: Financial Update for the Quarter Ended
September 30, 2023

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

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

Respectfully Submitted,

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

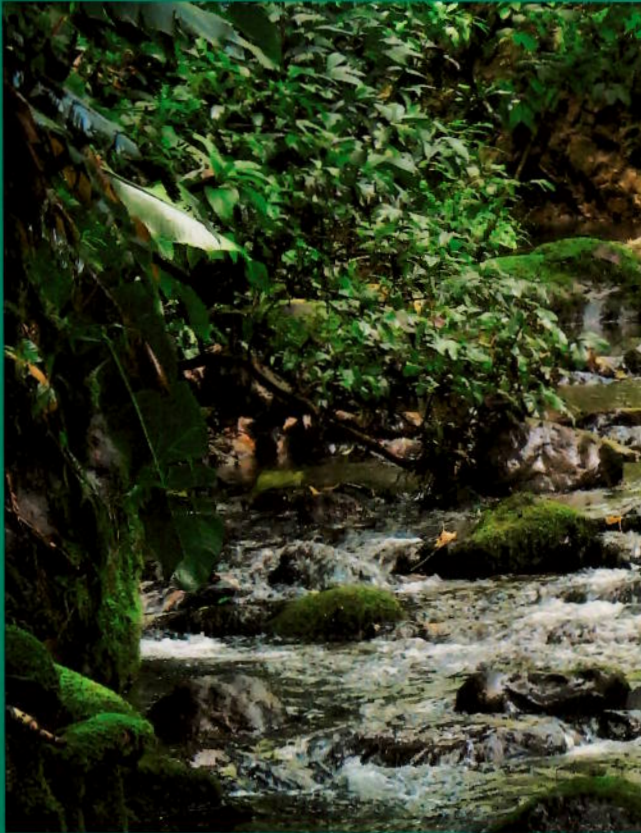
Attachment"

The foregoing was for information only.

DISCUSSION: Joseph Cooper, Waterworks Controller, Finance Division, gave the report.

Board Member Jonathan Kaneshiro asked why the debt service actual and budgeted amounts were so different.

Mr. Joseph Cooper explained it was a timing difference. He stated that debt service is recognized at the end of the fiscal year, June 30th, and is due and paid for the new fiscal year, July 1st. He further explained that the BWS pays interest on the bonds only in January, and the principal on the bonds is paid in July.



FINANCIAL
PERFORMANCE
JULY 2023–SEPT 2023

Joe Cooper
November 27, 2023
boardofwatersupply.com



BUDGET TO ACTUAL JULY 2023 – SEPT 2023

- Actual Revenue \$70.2 million vs.
- Budgeted Revenue \$68.9 million

- Operating costs are \$61.8 million vs.
- Budgeted costs of \$63.8 million

- Actual Net Revenue \$8.4 million vs.
- Budgeted Net Expenditures \$5.2 million



COST DRIVERS

Year to Date Sept 2023

	Actual (millions)	Budget (millions)
• Personnel	\$10.9	\$13.4
• Material, Supplies & Services	\$22.4	\$26.4
• Equipment	\$ 0	\$ 0.1
• Debt Service	\$ 10.5	\$ 6.9
• Utilities	\$ 8.3	\$ 8.0



OPERATING BUDGET VS ACTUAL

FY2024 1ST QUARTER - YEAR TO DATE: JUL 23 – SEP 23

BUDGETED EXPENDITURES ARE \$63.8M VS. ACTUAL EXPENDITURES OF \$61.8M
OF THE \$2.0M VARIANCE...

Fixed Charges - \$4.3M Over Budget

- Notes Payable SRF (\$3.4M Over)
- Electric Power – Water Dist. Fac. (\$290K Over)

Water System Operations - \$693K Over Budget

- Repair and Maintenance Equipment (\$818K Over)

Water Resources - \$2.5M Under Budget

- Non-Potable Water Treatment Plant (\$1.4M Under)
- Professional Services (\$500K Under)

Executive Support Office - \$1.9M Under Budget

- Professional Services (\$1.7M Under)

Field Operations - \$790K Under Budget

- Salaries and Wages (\$898K Under)
- Other Contractual (\$525K Under)

Water Quality - \$740K Under Budget

- Professional Services (\$858K Under)
- Salaries and Wages (\$91K Under)
- Other Materials and Supplies (\$87K Under)

Capital Projects- \$673K Under Budget

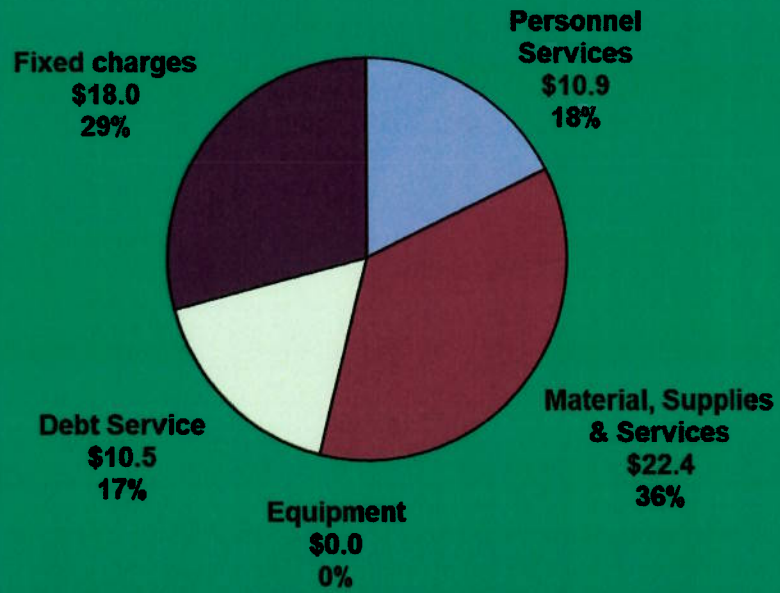
- Salaries & Wages (\$308K Under)
- Professional Services (\$300K Under)

Customer Care - \$295K Under Budget

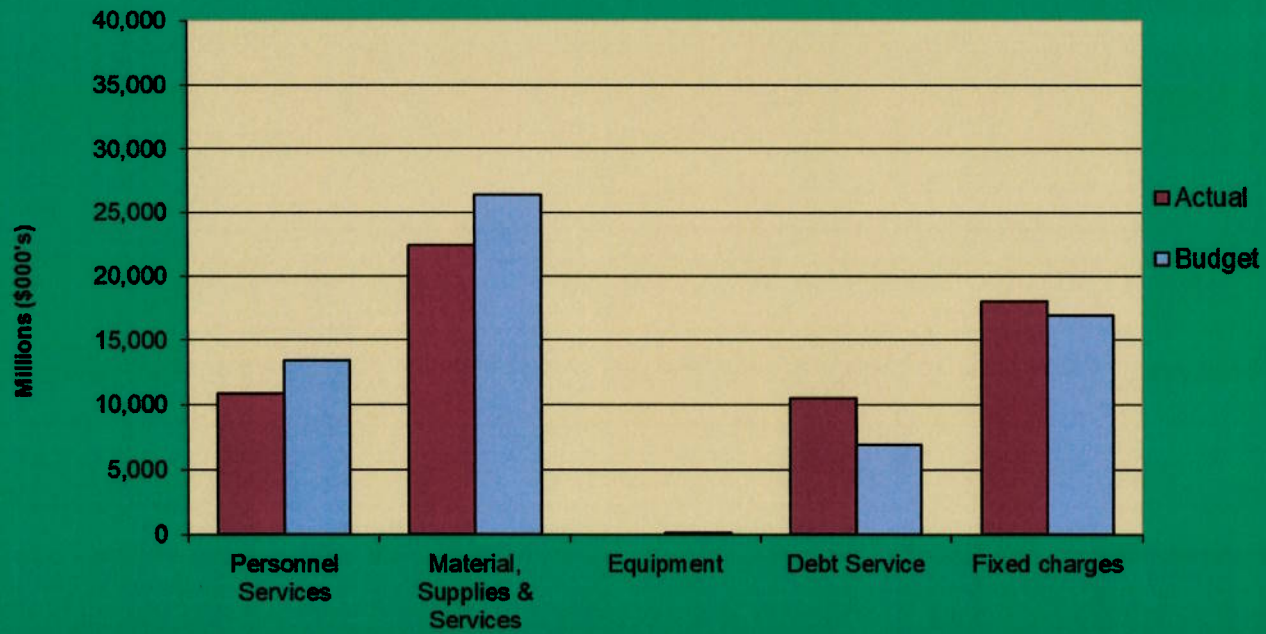
- Salaries & Wages (\$193K Under)
- Collection Fees (\$39K Under)



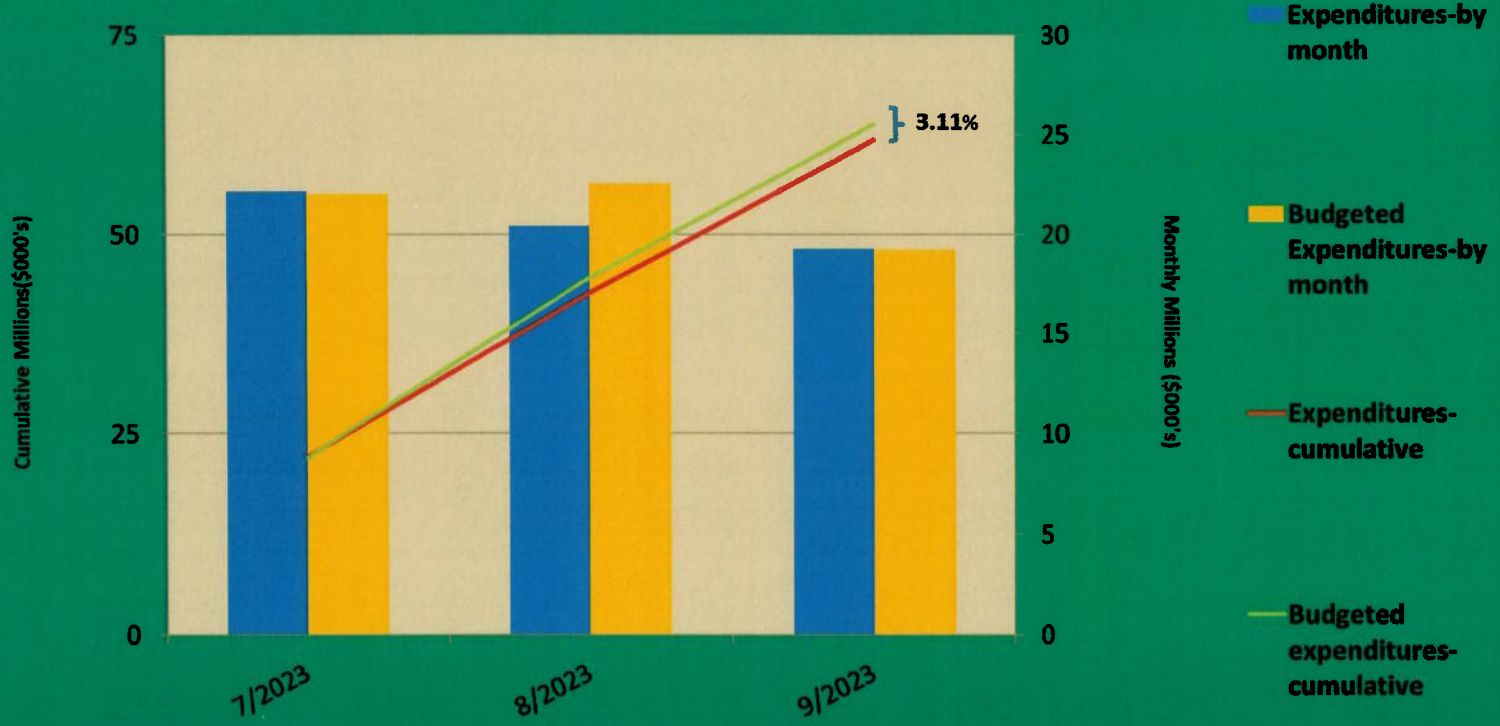
Total Operating Expenditures - \$61.8
As of September 30, 2023
(millions of dollars)



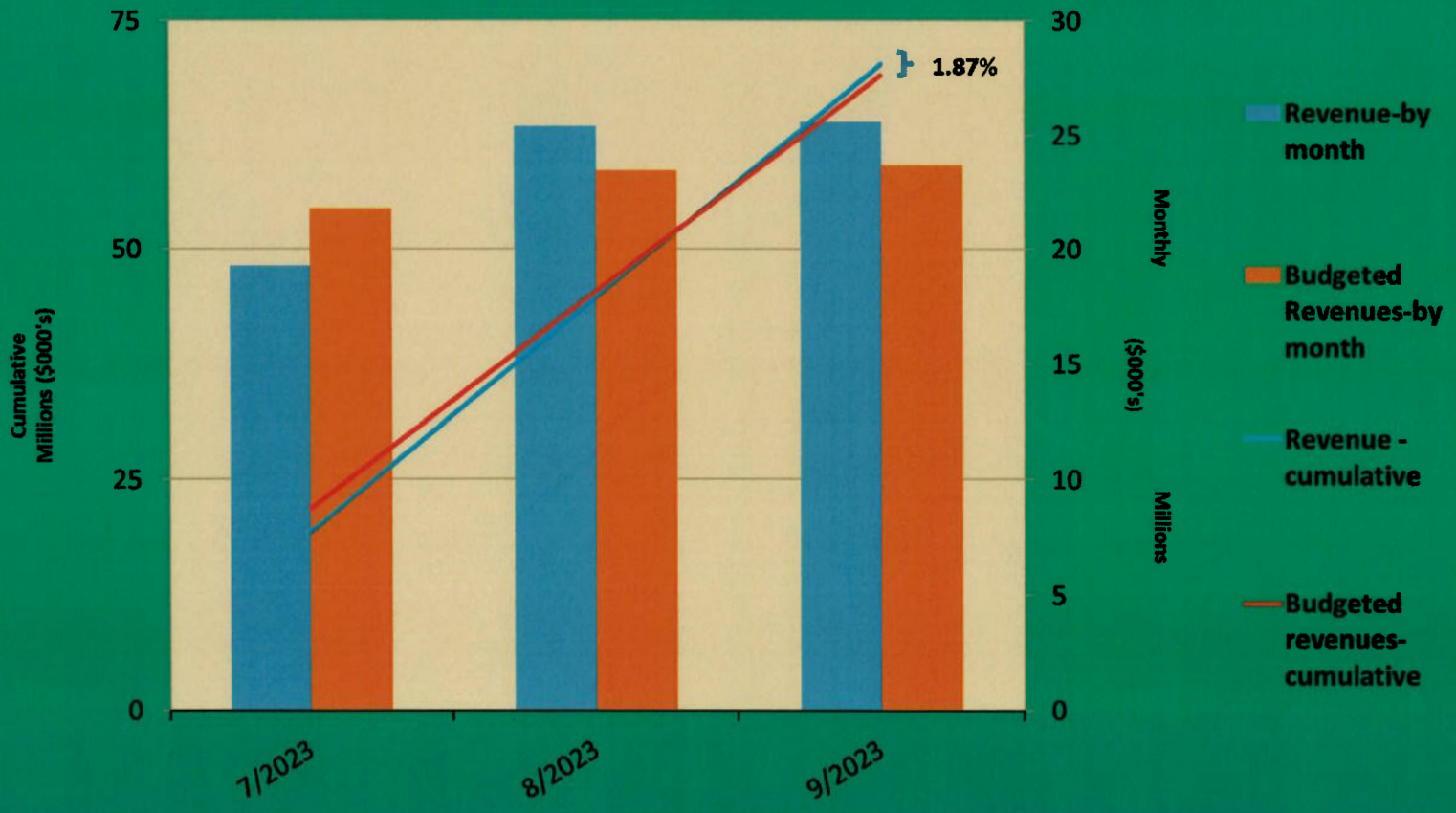
Operating Expenditures by Category (Budget vs. Actual) As of September 30, 2023



BUDGETED OPERATING EXPENDITURES FY 2024



BUDGETED OPERATING REVENUES FY 2024





Mahalo!

BOARD OF WATER SUPPLY

WWW.BOARDOFWATERSUPPLY.COM



Board Of Water Supply
Statement of Revenues, Expenses And Change In Net Assets
As of September 30, 2023

Current Month Actual	% Revenue	Last Year Actual	% Revenue	Description	Year to Date Actual	% Revenue	Last Year to Date Actual	% Revenue	% Change
				REVENUE					
24,227,442.00	100.00	23,561,738.70	100.00	OPERATING REVENUE	67,263,799.42	100.00	67,742,311.52	100.00	.71-
24,227,442.00	100.00	23,561,738.70	100.00	REVENUE	67,263,799.42	100.00	67,742,311.52	100.00	.71-
				OPERATING EXPENSES					
3,371,635.20-	13.92	3,190,573.08-	13.54	LABOR COSTS	10,042,429.07-	14.93	9,961,656.15-	14.71	.81
4,688,852.03-	19.35	3,585,314.93-	15.22	SERVICES	7,972,616.17-	11.85	8,474,371.92-	12.51	5.92-
283,083.87-	1.17	790,026.36-	3.35	SUPPLIES	1,290,921.53-	1.92	1,606,616.03-	2.37	19.65-
445.62		1,002.39-		EDUCATION & TRAINING	2,335.55-		11,874.28-	.02	80.33-
2,606,134.32-	10.76	2,247,649.18-	9.54	UTILITIES	5,186,583.58-	7.71	5,419,312.94-	8.00	4.29-
213,712.72-	.88	15,542.31	.07	REPAIR AND MAINTENANCE	1,091,797.50-	1.62	342,847.32-	.51	218.45
1,890,541.34-	7.80	477,836.46	2.03	MISC	3,358,785.70-	4.99	5,473,269.54-	8.08	38.63-
4,040,394.94-	16.68	2,026,635.01-	8.60	RETIREMENT SYSTEM CONTRIBUTIO	8,365,609.35-	12.44	6,205,514.40-	9.16	34.81
10,650.93	.04	44,105.19	.19	MISC EMPLOYEES' BENEFITS	21,733.46	.03	125,180.74	.18	82.64-
17,083,257.87-	70.51	11,303,716.99-	47.97	OPERATING EXPENSES	37,289,344.99-	55.44	37,370,281.84-	55.17	.22-
1,691,346.41	6.98	5,745,681.97-	24.39	NON OPERATING REVENUE AND EXPE	2,136,907.02	3.18	4,799,797.50-	7.09	144.52-
359,847.21	1.49	829,173.21	3.52	CONTRIBUTION IN AID	940,547.58	1.40	3,487,337.67	5.15	73.03-
212,949.40-	.88	9,898.43-	.04	LEASE	212,949.40-	.32	32,388.45-	.05	557.49
3,513,825.88-	14.50	3,756,540.94-	15.94	OTHER EXPENSES	12,475,146.05-	18.55	12,466,096.29-	18.40	.07
5,468,602.47	22.57	3,575,073.58	15.17	Change In Net Assets	20,363,813.58	30.27	16,561,085.11	24.45	22.96

Board Of Water Supply
Balance Sheet
As of September 30, 2023

Description	***** Amounts *****			***** Change *****	
	Current	Last Month End	Last Year End	This Month	This Year
ASSETS					
CURRENT ASSETS	66,128,212.49	57,597,617.72	58,503,045.89	8,530,594.77	7,625,166.60
RESTRICTED ASSETS	14,172,529.16	36,711,297.46	37,407,767.36	(22,538,768.30)	(23,235,238.20)
INVESTMENTS	683,560,298.18	669,876,589.10	668,032,334.36	13,683,709.08	15,527,963.82
OTHER ASSETS	15,089,800.35	15,112,966.46	15,897,897.88	(23,166.11)	(808,097.53)
PROPERTY / PLANT	1,364,009,905.60	1,357,813,093.70	1,366,608,662.06	6,196,811.90	(2,598,756.46)
DEFERRED OUTFLOWS OF RESOURCE	8,621,791.00	8,621,791.00	8,621,791.00	-	-
DEFERRED OUTFLOWS OF RESOURCE	36,629,171.00	36,629,171.00	36,629,171.00	-	-
ASSETS	2,188,211,707.78	2,182,362,526.44	2,191,700,669.55	5,849,181.34	(3,488,961.77)
LIABILITIES					
CURRENT LIABILITIES	21,867,216.46	17,919,672.92	63,377,444.53	3,947,543.54	(41,510,228.07)
OTHER LIABILITIES	98,791,154.23	98,397,203.04	73,651,214.50	393,951.19	25,139,939.73
BONDS PAYABLE, NONCURRENT	496,394,172.66	500,086,655.54	503,608,226.69	(3,692,482.88)	(7,214,054.03)
LEASE LIABILITY	4,797,609.48	5,066,042.46	5,066,042.46	(268,432.98)	(268,432.98)
NET PENSION LIABILITY	121,159,264.00	121,159,264.00	121,159,264.00	-	-
NET OPEB LIABILITY	54,855,850.00	54,855,850.00	54,855,850.00	-	-
DEFERRED INFLOWS OF RESOURCES	25,027,168.00	25,027,168.00	25,027,168.00	-	-
LIABILITIES	822,892,434.83	822,511,855.96	846,745,210.18	380,578.87	(23,852,775.35)
NET ASSETS					
RETAINED EARNINGS	221,964,327.78	235,602,975.16	224,662,337.79	-	-
FUND BALANCE	594,633,831.66	594,633,831.66	594,633,831.66	-	-
RESERVE FOR ENCUMBRANCES	528,357,299.93	514,718,652.55	525,659,289.92	-	-
CURRENT YEAR CHANGES TO FU	20,363,813.58	14,895,211.11		5,468,602.47	20,363,813.58
NET ASSETS	1,365,319,272.95	1,359,850,670.48	1,344,955,459.37	5,468,602.47	20,363,813.58
TOTAL LIABILITIES AND NET ASSETS	2,188,211,707.78	2,182,362,526.44	2,191,700,669.55	5,849,181.34	(3,488,961.77)

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

(\$000's)

CIFIS 24820-3021

AS OF 9/30/2023

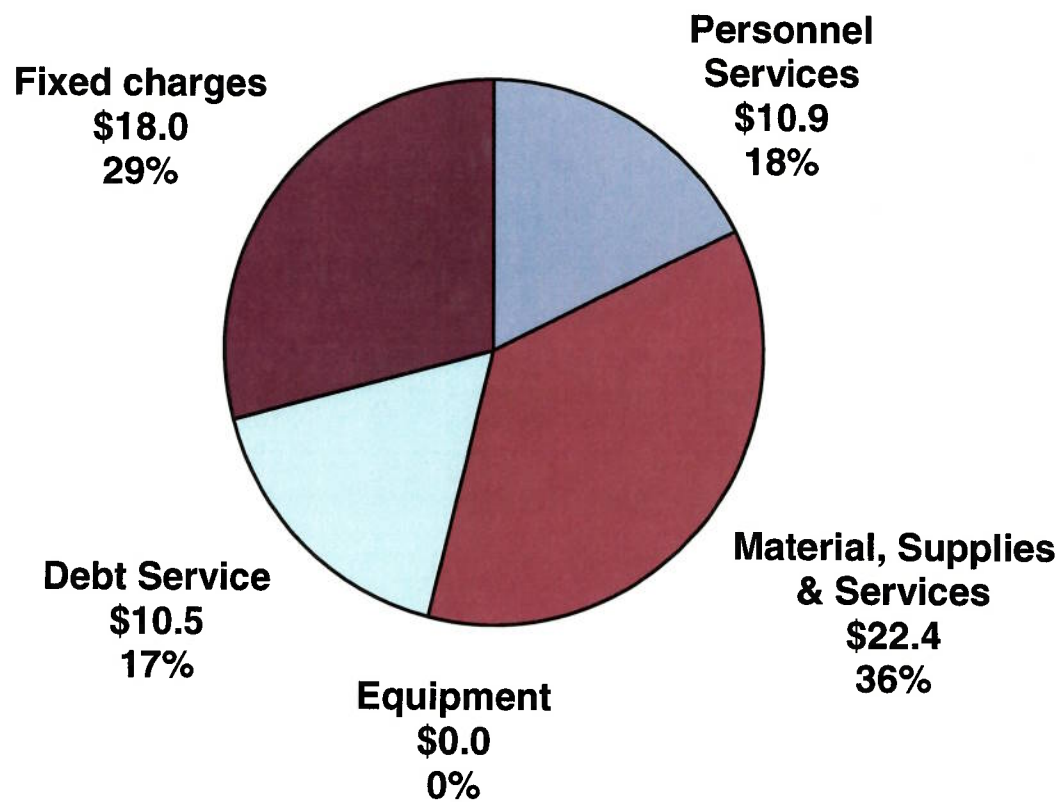
OPER UNIT ALL
 BUSINESS UNIT ALL

YTD-TO-DATE				FOR THE FISCAL YEAR					
YTD Actuals	YTD Budget	Avail/ (Over)	%	Object Description	Revenues/ Expend	Open Encumb	Annual Budget	Avail/ (Over)	%
<u>70,235</u>	<u>68,946</u>	<u>(1,289)</u>	<u>1.87-</u>	REVENUE	<u>70,235</u>		<u>263,060</u>	<u>192,825</u>	<u>73.30</u>
				OPERATING EXPENSES:					
10,922	13,432	2,510	18.69	Personnel Services	10,922		53,925	43,003	79.75
				MATERIALS AND SUPPLIES					
13,261	16,851	3,590	21.30	Services	4,381	8,880	45,791	32,530	71.04
4,536	3,653	(883)	24.17-	Supplies	2,797	1,739	17,214	12,678	73.65
34	73	39	53.42	Education & Training	34		415	381	91.81
				Utilities					
1,251	926	(325)	35.10-	Repairs & Maint	291	960	3,200	1,949	60.91
3,287	4,892	1,605	32.81	Misc	2,858	429	15,919	12,632	79.35
	101	101	100.00	Equipment			2,563	2,563	100.00
10,534	6,922	(3,612)	52.18-	Debt Service	10,534		38,222	27,688	72.44
				FIXED CHARGES:					
8,320	8,034	(286)	3.56-	Utilities	8,320		32,750	24,430	74.60
825	825			Case Fees	825		3,300	2,475	75.00
5,173	4,858	(315)	6.48-	Retirement System Contribution	5,173		15,500	10,327	66.63
3,651	3,212	(439)	13.67-	Misc Employees' Benefits	3,083	568	12,888	9,237	71.67
<u>61,794</u>	<u>63,779</u>	<u>1,985</u>	<u>3.11</u>	TOTAL OPERATING EXPENDITURES	<u>49,218</u>	<u>12,576</u>	<u>241,687</u>	<u>179,893</u>	<u>74.43</u>
<u>8,441</u>	<u>5,167</u>	<u>(3,274)</u>		NET REVENUES (EXPENDITURES)	<u>21,017</u>	<u>(12,576)</u>	<u>21,373</u>	<u>12,932</u>	

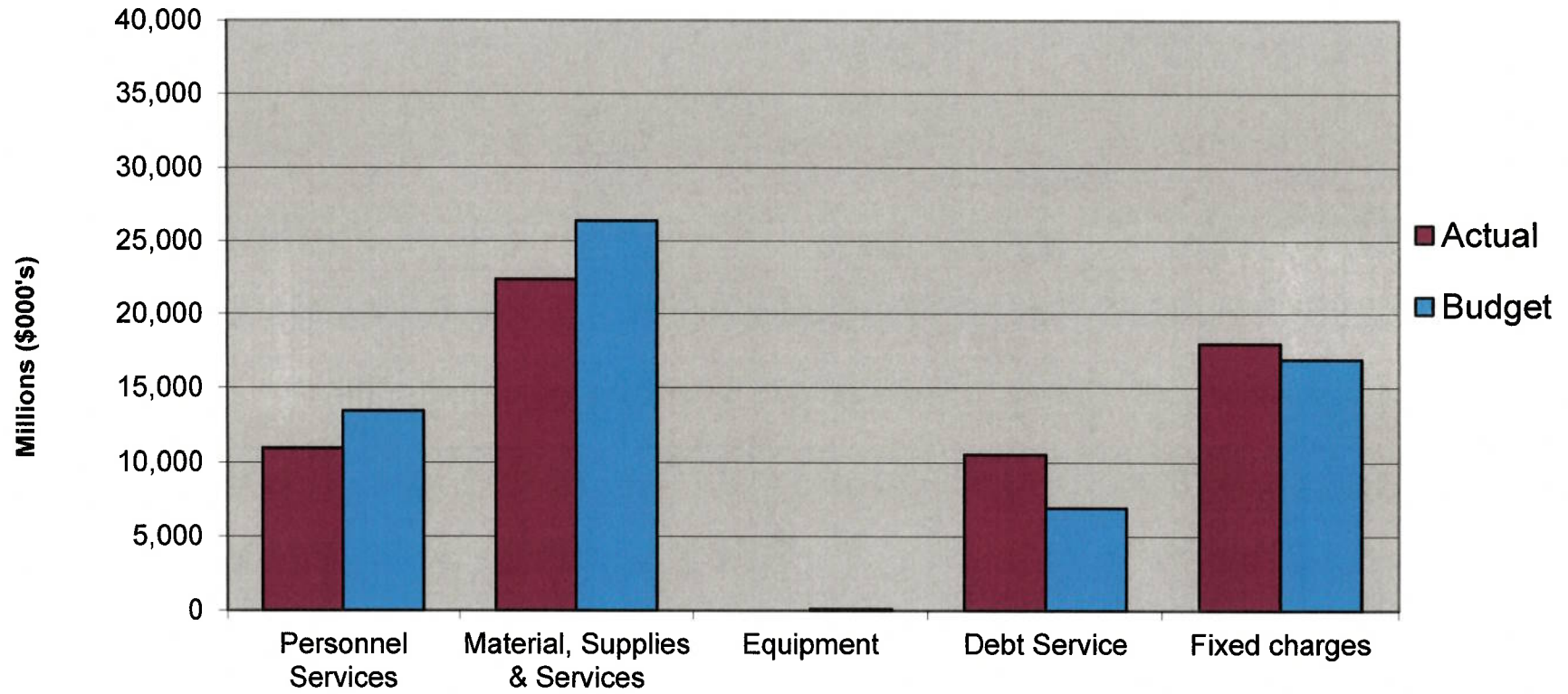
Budget vs. Actual
Revenue and Expense Totals
As of September 30, 2023

	YTD Actuals	YTD Budget	Favorable/ (Unfavorable) Variance
Revenues	70,235	68,946	1,289
Operating Expenses	(61,794)	(63,779)	1,985
Net Revenues (expenditures)	<u>8,441</u>	<u>5,167</u>	<u>3,274</u>

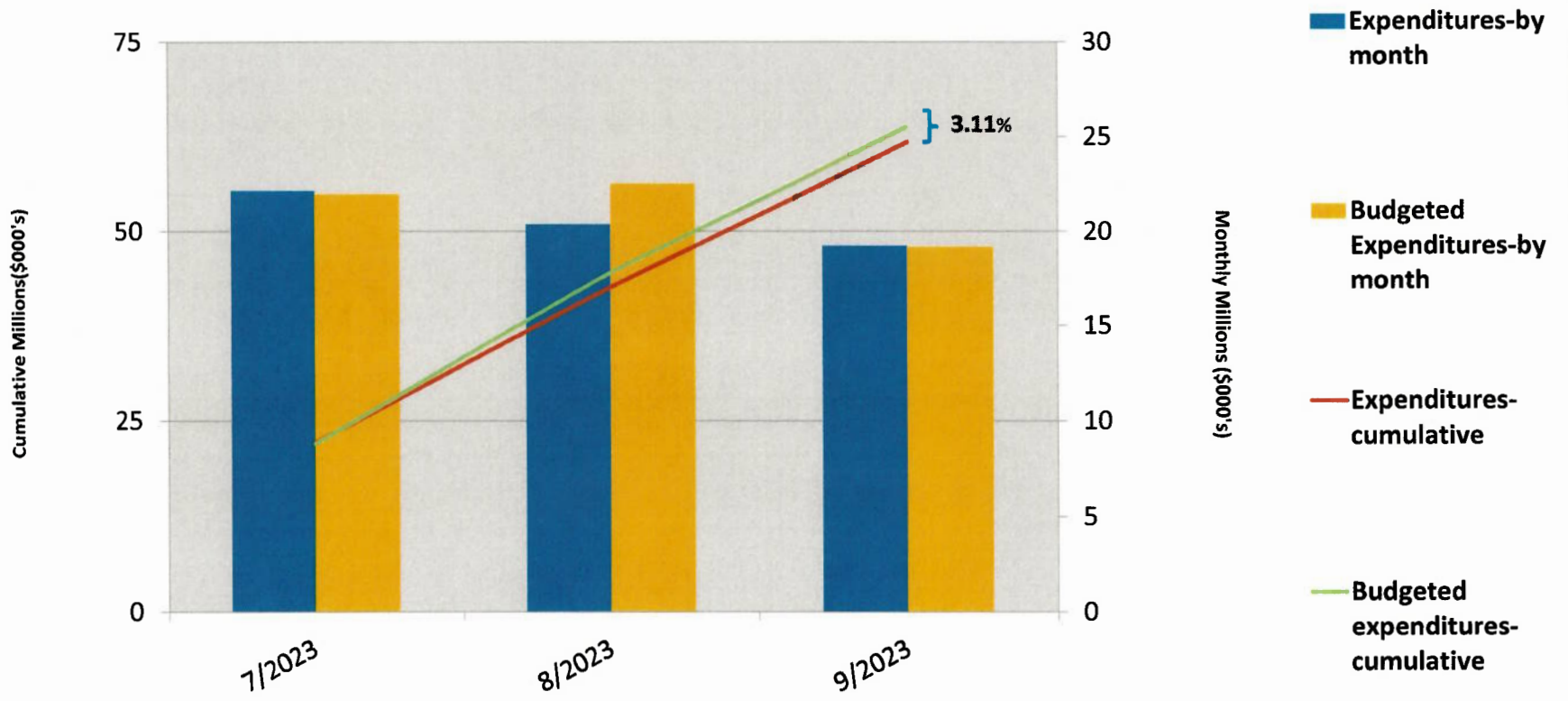
Total Operating Expenditures - \$61.8
As of September 30, 2023
(millions of dollars)



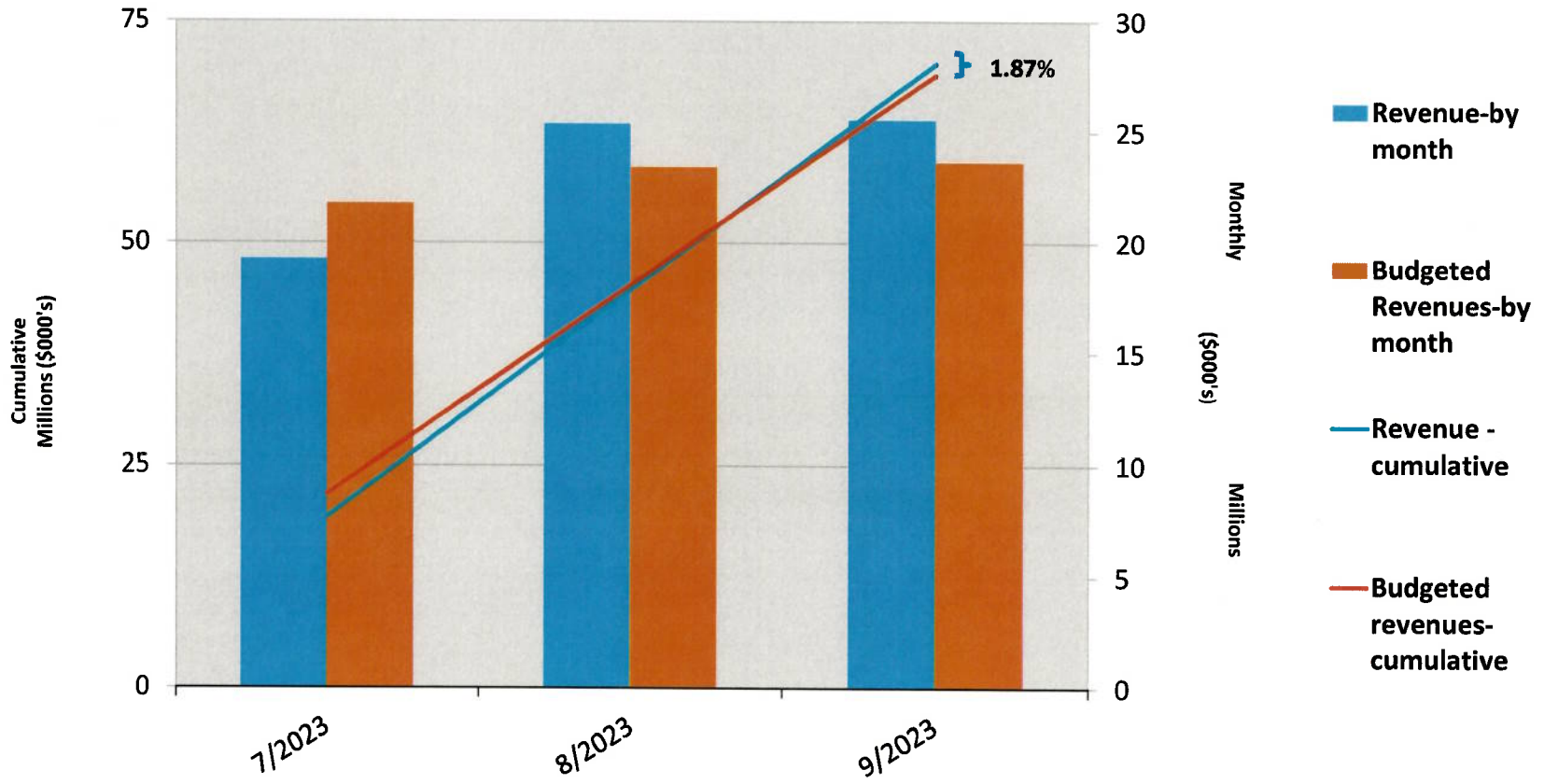
**Operating Expenditures by Category (Budget vs. Actual)
As of September 30, 2023**



BUDGETED OPERATING EXPENDITURES FY 2024



BUDGETED OPERATING REVENUES FY 2024



ITEM FOR INFORMATION NO. 3

"November 27, 2023

CAPITAL
IMPROVEMENT
PROGRAM
QUARTER
UPDATE

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

Chair and Members:

Subject: Capital Improvement Program Quarter Update

Jadine Urasaki, Acting Program Administrator, Capital Projects Division,
will provide an update on the Capital Improvement Program.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: Jadine Urasaki, Acting Program Administrator, gave the report.

Quarterly Capital Improvement Program Status Report
All Divisions
as of September 30, 2023

Quarter Awarded	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Awarded to Date	Total Budgeted
Design Contracts Awarded (#/\$)	0								\$ -	\$ 13,160,000.00
Construction Contracts Awarded (#/\$)	4	\$ 6,193,388.00							\$ 6,193,388.00	\$ 165,940,000.00
Land Purchases (#/\$)										\$ -
Project Totals	4	\$6,193,388.00	0	\$0.00	0	\$0.00	0	\$0.00	\$6,193,388.00	\$179,100,000.00

Quarter Completed	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Totals
Design Contracts Completed (#/\$)	1	\$ 89,840.00							\$ 89,840.00
Construction Contracts Completed (#/\$)	7	\$ 4,596,105.15							\$ 4,596,105.15
Totals	8	\$4,685,945.15	0	\$0.00	0	\$0.00	0	\$0.00	\$4,685,945.15

Ongoing Projects	
Ongoing Design Projects (#)	240
Ongoing Design Projects (\$)	\$105,078,440.09
Ongoing Construction Projects (#)	133
Ongoing Construction Projects (\$)	\$351,245,138.02



Quarterly Capital Improvement Program Status Report
All Divisions

DESIGN AND CONSTRUCTION PROJECTS AWARDED - FIRST QUARTER FY 2024

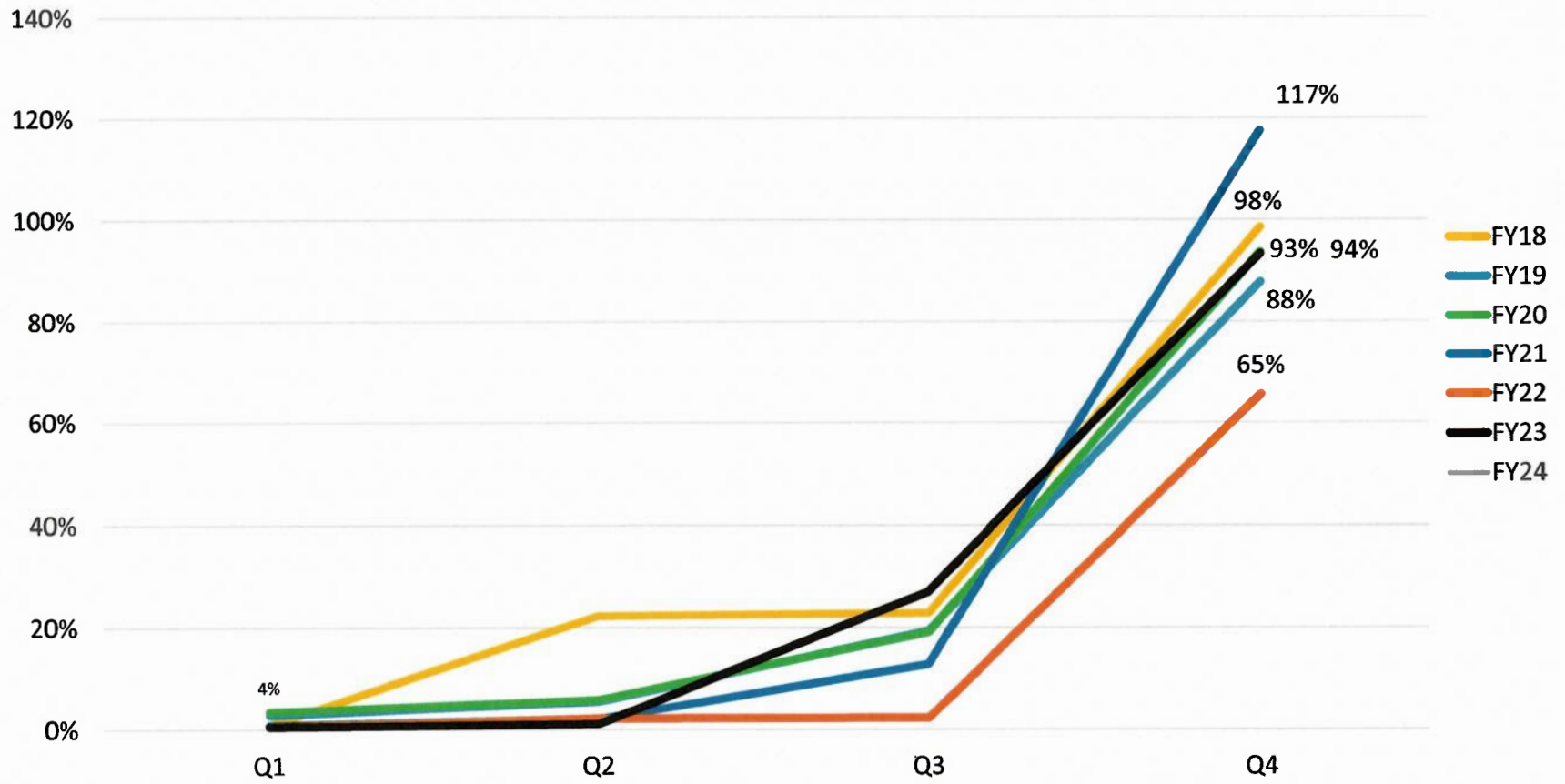
Item #	Project Title	Expend Type	Budget Amount	Awarded
001	Newtown 550' Exploratory Well	CONST	\$3,500,000.00	\$3,258,418.00
005	Kunia Booster Pump 2 Replacement	CONST	\$168,469.00	\$168,469.00
020	GAC Interior Corrosion Control at Various Locations	CONST	\$2,500,000.00	\$2,491,537.00
028	Emergency Repair at Aiea Gulch	CONST		\$274,964.00
	1st Quarter totals		\$6,168,469.00	\$6,193,388.00

DESIGN AND CONSTRUCTION PROJECTS COMPLETED - FIRST QUARTER FY 2024

Job #	Project Title	Completion Date	Contract Amount
2003-066A	Puhawai Road 8-Inch Water Mains	07/31/2023	\$ 125,450.00
2003-066B	Kuwale Road 8-Inch Mains	07/31/2023	
2003-066D	Puhawai Road, Puuhulu Road, and Kuwale Road Water System Improvements Road Resurfacing	07/31/2023	
2004-33Y	Kahuaailani Street 8-Inch Mains	08/01/2023	\$ 37,273.00
2004-033P	Wahiawa Water System Improvements, Part III	08/21/2023	\$ 44,298.04
2015-055E	Halawa Xeriscape Garden Improvements	09/11/2023	\$ 310,568.00
	Archaeological Services for Mokulua Drive: 8-Inch Water Main, Part II	09/19/2023	\$ 89,840.00
23-010M	Honouliuli Wells II Pump Unit 3, Well Video Survey	09/06/2023	\$ 3,500.00
20-048	Slope Stabilization Near Ekoa Place	08/29/2023	\$ 1,560,278.24
19-010	Waimanalo 230 Reservoir Repairs	09/25/2023	\$ 2,514,737.87
	1st Quarter totals		\$4,685,945.15



Cumulative % Budget Execution by Quarter



ITEM FOR INFORMATION NO. 4

"November 27, 2023

CAPITAL
IMPROVEMENT
PROGRAM
QUARTER
UPDATE

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

Chair and Members:

Subject: Schedule of Monthly Board Meetings for Calendar
Year 2024

Attached for your information is the schedule of Board Meetings for
the calendar year 2024.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: Ernest Lau, Manager and Chief Engineer, gave the report. There were
no comments or discussion.

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

2024 BOARD MEETING SCHEDULE

Board Meetings are scheduled for the fourth Monday of each month at 2:00 p.m., in the Public Service Building (PSB) Board Room, unless otherwise noted.

January 22

February 26

March 25

April 22

May 6 – Annual Budget Workshop

May 28

June 24

July 22

August 26

September 23

October 28

November 25

December 16

ITEM FOR INFORMATION NO. 5

“November 27, 2023

STATUS
UPDATE OF
GROUNDWATER
LEVELS AT
ALL INDEX
STATIONS

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 October 2023. Beretania, Kalihi, Moanalua, Pearl City, Waipahu, Kaluanui and Waialua are in Caution Status. Kaimukī and Punalu`u are in Alert Status. The monthly production average for October 2023 was 144.14 million gallons per day (MGD), which is on a decreasing trend from an August high of 149 mgd.

The Board of Water Supply rainfall index for the month of October 2023 was 28 percent of normal, with a 5-month moving average of 57 percent. As of November 7, 2023, the Hawai`i Drought Monitor shows severe drought conditions across all but a portion of windward O`ahu. The National Weather Service is forecasting below-normal precipitation through at least March 2024.

Most monitoring wells exhibited decreasing head levels for the month of October 2023, likely reflecting the typical increase in summer production combined with the consecutive months of lower-than-average rainfall. Average monthly production for October 2023 was slightly higher than September 2022 and the 5-year monthly average. Increased conservation messaging is recommended for the remainder of 2023, possibly into early 2024.

Respectfully Submitted,

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

Attachment”

The foregoing was for information only.

DISCUSSION: The presentation on this item was deferred to the next meeting.

ITEM FOR INFORMATION NO. 6

"November 27, 2023

WATER MAIN
REPAIR
REPORT FOR
OCTOBER 2023

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

Chair and Members:

Subject: Water Main Repair Report for October 2023

Jason Nikaido, Program Administrator, Field Operations Division, will report on water main repair work for the month of October 2023.

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

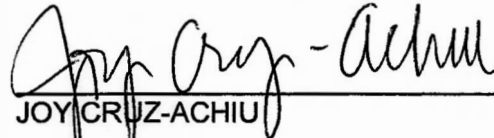
DISCUSSION: The presentation on this item was deferred to the next meeting.

**MOTION TO
ADJOURN**

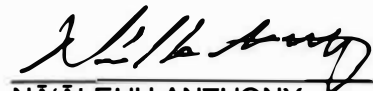
There being no further business Chair Anthony at 5:01 PM, called for a motion to adjourn the Regular Session Jonathan Kaneshiro so moved, seconded by Gene Albano, and unanimously carried.

The minutes of the Public Hearing and Regular Meeting held on November 27, 2023, are respectfully submitted,

THE MINUTES OF THE PUBLIC HEARING AND REGULAR MEETING HELD ON NOVEMBER 27, 2023, WAS APPROVED AT THE DECEMBER 18, 2023, BOARD MEETING			
	AYE	NO	COMMENT
NA'ALEHU ANTHONY	X		
KAPUA SPROAT	X		
BRYAN P. ANDAYA	X		
JONATHAN KANESHIRO	X		
EDWIN H. SNIFFEN			ABSENT
GENE C. ALBANO	X		


 JOY CRUZ-ACHIU

APPROVED:


 NĀ'ĀLEHU ANTHONY
 Chair of the Board
 DEC 18 2023
 Date