### BOARD OF WATER SUPPLY KA 'OIHANA WAI

### CITY AND COUNTY OF HONOLULU

630 SOUTH BERETANIA STREET • HONOLULU, HAWAI'I 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 WILIKĪ

ERWIN KAWATA DEPUTY MANAGER HOPE MANAKIA



NĂ'ĂLEHU 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:

- <u>Written testimony</u> 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:
  - o Email to board@hbws.org
  - o Online at boardofwatersupply.com/testimony
  - o Mail to Board of Water Supply, 630 S. Beretania St., Honolulu, HI 96843
  - Fax to (808) 748-5079
- <u>Oral testimony</u> will be accepted remotely and in person during the meeting. Preregistration 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 <u>board@hbws.org</u>
    - Online at <u>boardofwatersupply.com/testimony</u>

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 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 <u>board@hbws.org</u>
  - Online at <u>boardofwatersupply.com/testimony</u>

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 <u>two (2) minutes</u> 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 <u>boardofwatersupply.com/boardmeetings</u>.

### 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: <u>www.boardofwatersupply.com/live.</u> 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 <u>board@hbws.org</u> 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
- 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
- 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)
- 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. 2:18mn-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: <u>https://vimeo.com/bwshonolulu/nov-27-2023</u>. 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:	Nāʻālehu 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

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	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 Nāʿālehu Anthony opened the Board meeting with an 'olelo no'eau:

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

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

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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 semiautonomous, 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

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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



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



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	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.
<b>Darius Kila</b> Representative 44- Honokai Hale, Nānākuli, Mā'ili	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

There was in-person testimony:

Dr. Jim Anthony	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.
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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	Provided written testimony
Alan B. Burdic	disagrees that a rate increase
Co-Chairs, Environment Caucus	should be help remediate the the damages at Red Hill.

Chair Anthony closed the Public Hearing at 3:26 PM.

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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



Other \$3.4 million 1% **Capital Improvement Program** Electricity \$34.7 million \$32.6 million 13% 12% **Debt Service** \$38.2 million **Operations &** 14% Maintenance \$85.6 million 31% 19% 10% Employee Salaries \$53.9 million **Health and Retirement Benefits** 

\$27.9 million

\* Individual amounts may not total due to rounding

# TOTAL CAPITAL IMPROVEMENT PROJECTS (2018-2023)

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





## 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

### <u>Actions</u>

- 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**



Multi-unit residential

Single-family residential



Non-residential

Agricultural

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 ½-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**



Top 3% of single-family water users

## SINGLE-FAMILY RESIDENTIAL WATER RATES 2024 - 2029



Tier Gallons/ du/month	C	Proposed Rates, Effective Dates						
	Current	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



## 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
Month (5/8 a	\$12.09			+	\$12.09	
			То	otal Bill Amount		\$53.71



Example: Single-family residence ¾-inch meter Usage amount 8,510 gallons Usage is rounded down to the nearest 1,000 gallons (k-gal) = 8 k-gals



## 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



## 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									
Current Bill	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%				


# COMPARING WATER BILLS – AVERAGE WATER USER SINGLE-FAMILY RESIDENTIAL

#### The Average Water User

(9,000 gallons per month)

		Future Bill at Proposed Rates								
Current Bill		Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028			
\$5	9.56	\$65.12	\$71.44	\$77.69	\$84.13	\$90.70	\$97.80			
\$ Cł	nange	\$5.56	\$6.32	\$6.25	\$6.44	\$6.57	\$7.10			
% Cl	hange	9.3%	9.7%	8.8%	8.3%	7.8%	7.8%			



# 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								
current bii	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%			



## MULTI-UNIT RESIDENTIAL WATER RATES 2024 - 2029



Time	Gallons/	Current	Proposed Rates, Effective Dates							
Tier	du/month		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



### MULTI-UNIT RESIDENTIAL SAMPLE WATER BILLS



Dwelling	Meter	Monthly Usage k-gals/du			Propo	osed Rates	, Effective	Dates	
Units (du)	Size		Current	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



	Proposed Rates, Effective Dates								
Current	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



## NON-RESIDENTIAL SAMPLE WATER BILLS

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



Business	Meter	Monthly	0		Propo	sed Rates	, Effective	Dates	
Туре	Size	Usage k-gals	Current	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, <mark>80</mark> 1	\$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





AGRICULTURAL CUSTOMERS PAY A LOWER RATE – CURRENT RATES





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



## AGRICULTURAL WATER RATES

2024 - 2029



Tier	Gallons/		Proposed Rates, Effective Dates							
	du/month	Current	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





# COMPARING BILLS – AGRICULTURAL CUSTOMER

#### 1-Inch Meter

98,000 gallons per month

Current Dill			Cumulative				
Current Bill	Feb 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	Change
\$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%



## NON-POTABLE AND RECYCLED WATER RATES 2024 - 2029



	Current	Proposed Rates, Effective Dates							
Туре		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





### 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

### **Questions?**

### Call: (808) 748-5041

BWS Website: <u>www.boardofwatersupply.com</u> Twitter: <u>@BWSHonolulu</u>

Facebook: <a href="http://www.facebook.com/BWSHonolulu">http://www.facebook.com/BWSHonolulu</a>



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

Nov. 27, 2023



## RATE PROPOSAL INFORMATION ON WEBSITE

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

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PERMITS CUSTOMER SERVICE WATER QUALIT	Y CONSERVATION WATER RESOURCES NEWS & EVENTS
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Community Meetings I Informationa	al Materials I Draft Proposed Water Rates I FAQ
Draft Proposed Water Rate Schedu	la la
and agricultural development. The public is invited to v proposed rates. BWS has been making presentations t	ft proposed water rate schedule for residential, non-residential, watch an inmoductory video and provide their feedback on the to Neighborhood Boends around the Island and held four
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### OVERVIEW VIDEO OF RATE PROPOSAL

• 284 Views on BWS Website





## 4 COMMUNITY INFORMATION MEETINGS 25 ATTENDEES

All Meetings: 6:0	All Meetings: 6:00 – 8:30 PM						
Kaneohe	Monday, August 14 Benjamin Parker Elementary School Cafeteria 45-259 Waikalua Road, Kaneohe 96744						
Honolulu	Tuesday, August 15 Japanese Cultural Center of Hawaii 2454 S Beretania St, Honolulu 96826						
Kapolei	Wednesday, August 16 Kapolei Hale, Conference Rooms A/B/C 1000 Uluohia Street, Kapolei 96707						
Mililani	Wednesday, August 23 Mililani High School 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

- Recieved 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 ridculous."
  - "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 prodcution 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 COUNCIL Ke Kanihela o ke Kalana o Honolulu

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









District I





**District VIII** 



**District IX** 

### **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. f У 👩 🔤

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]


# 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



BWS WATER ABOUT A PENNY GALLON



BOTTLED WATER PURCHASED IN BULK 170X MORE

SINGLE BOTTLES PURCHASED RETAIL 1,500X MORE



\$0.011 per gallon





# 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
	- 2 112
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

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#### **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

1

### 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

#### <u>Copy to Chair of the Board by electronic transmission</u>

#### 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 <u>five member Board of Water Supply</u> signed the Statement.]

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

#### "We want total transparency,

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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

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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 your 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 fort \$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?

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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 <u>61% increase</u> – \$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. <u>No small task to be accomplished in a mere 2 minutes</u>. 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.

.M. Anthopy, PhD

#### BWS.DOC 11232023

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## 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 purse requests to our Congressional Delegation to use their talents, authority, and powers to ensure that Congress makes the necessary appropriations – starting at \$1.4 Billon.

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 Approval of the Minutes of the Regular Meeting Held on October 23, 2023.
- MOTION Edwin Sniffen and Jonathan Kaneshiro motioned and seconded, TO APPROVE 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 Nāʿālehu Anthony, aye.

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

THE MINUTES OF THE REG OCTOBER 23, 2023, WERE NOVEMBER 27, 2023, BOAR	APPROV	ED AT					
AYE NO COMMENT							
NĂ'ĂLEHU ANTHONY	x						
KAPUA SPROAT	x						
BRYAN P. ANDAYA	x						
JONATHAN KANESHIRO	x						
EDWIN H. SNIFFEN	x						
GENE C. ALBANO			ABSTAIN				

"November 27, 2023

			"N	lovember 27, 2023
ADOPTION OF	Chair and Me			
RESOLUTION NO. 976, 2023,	Board of Wate	er Supply nty of Honoluli		
ADOPTING THE	Honolulu, Hav	•	A	
REVISIONS TO				
THE SCHEDULE	Chair and Me	mbers:		
OF RATES AND				
CHARGES FOR	Subject:	•	Resolution No. 976, 2023, A	
THE FURNISHING OF WATER AND			the Schedule of Rates and f Water and Water Service f	•
WATER SERVICE		•	, Effective From and After F	
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2024 – 2029,			Resolution No. 976, 2023,	-
EFFECTIVE			rges for the Furnishing of W	
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AFTER	•	024 and to ren	nain in effect until supersed	ed.
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			etings to consider the revision	
	-		ist 16, and August 23, 2023	-
		•	tations were also made ove	•
	-	-	efore a quorum of the Board adoption of the revisions.	-
			of the public hearing notice is	
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			n of Resolution No. 976, 20	· · · · · · · · · · · · · · · · · · ·
		ates and Cha	rges for the Furnishing of W	ater and Water
	Service.			
			Respectfully Submitted,	
		/s/	ERNEST Y. W. LAU, P.E	
			Manager and Chief Engine	eer
	Attachment"			
DISCUSSION:	Frnest Lau M	anager and C	hief Engineer, gave the rep	ort
2.000001011.				
November 27, 2023	Public He	earing and Regu	lar Meeting Minutes	Page 11 of 24

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 islandwide 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.



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 Adopting the Revisions 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.

> 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 Nāʿālehu Anthony, aye.

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

THE REVISION TO THE SCH CHARGES FOR THE FURNIS WATER SERVICE FOR FISC/ EFFECTIVE FROM AND AFT TO REMAIN IN EFFECT UNT	DOPTION OF RESOLUTION NO. 976, 2023, ADOPTING HE REVISION TO THE SCHEDULE OF RATES AND HARGES FOR THE FURNISHING OF WATER AND ATER SERVICE FOR FISCAL YEARS 2024-2029, FECTIVE FROM AND AFTER FEBRUARY 1, 2024, AND D REMAIN IN EFFECT UNTIL SUPERSEDED WAS DOPTED ON NOVEMBER 27, 2023					
AYE NO COMMENT						
NĀ'ĀALEHU ANTHONY	ALEHU ANTHONY X					
KAPUA SPROAT	APUA SPROAT X					
BRYAN P. ANDAYA	BRYAN P. ANDAYA X					
JONATHAN KANESHIRO	ATHAN KANESHIRO X					
EDWIN H. SNIFFEN	NIFFEN X					
GENE C. ALBANO	AYE     NO     COMMENT       THONY     X					

#### 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 Pubic 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: 1/ Mg

NĀ'ĀLEHU ANTHONY C

Honolulu, Hawai'i November 27, 2023

ADOPTION OF RESOLUTIO THE REVISION TO THE SC CHARGES FOR THE FURN WATER SERVICE FOR FISO EFFECTIVE FEBRUARY 1, 2029, AND TO REMAIN IN E WAS ADOPTED ON NOVEM	HEDULE ISHING ( CAL YEA 2024, TH EFFECT (	OF RADF WA	ATES AND TER AND 24-2029, H JUNE 30,
	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

STATE OF HAWAII	IN THE MATTER OF NOTICE OF PUBLIC HEARING	<pre>} }</pre>	
City and County of Honolulu	} SS.		
Doc. Date: undate		# Pages: -2- First Circuit	
Notary Name: <u>Ray</u> Doc. Description: <u>Af</u> <u>Publication</u> <u>Notary Signature</u>		A PS-123 *	
<u>Kimberly Masu</u> being duly sworn, de authorized to execute this affidavit or Honolulu Star-Advertiser, MidWeek, Hawaii Tribune-Herald, that said nev the State of Hawaii, and that the attac	f Oahu Publications, Inc. publisho The Garden Island, West Hawai vspapers are newspapers of gener	er of The i Today, and ral circulation in	
Honolulu Star-Advertiser 10/27, 10/29/2023 MidWeek	2 times on: 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 WASU Kimberly Masu Subscribed to and sworn before me th Motary Public of the First Judicial Cir My commission expires: Ad # 0001430661 Raynette R. Fong	is 31 tay of OCHIVER	A.D. 20 <b>22</b>	D.:
Notary Public, State of Haw My Commission Expires: 03		E OF HANNIN	

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#### 4 NOTICE OF PUBLIC HEARING

OTICE IS HEREBY GIVEN that live BOARD OF WATER SUPPLY, CIT YAND COUNTY OF HONOLULU, wit hold a PUBLIC HEARING in the Board Room, Puble Service Building, 630 South Beneriania Street, Handuly, HI 95643, on ONDAY, NOVENBER 27, 2023, at 200 p.m., or soon thereafter, where at internetial persons shall be affarded the apportunity of being Inaurd on the adaption of the Proposed Amendment to the Schedule of Rates and Charges of the card of Water Supply for Fincal Years (FY) 2024 through 2029, Effective February 1, 2024 through June 30, 2029 to Romain in Effect Unit Suppraced by a Revision to the Schedule of Rates and Charges.

Limited serving will be preside in the Board Room for testifiers or those withing to attend the meeting in person. The weblic may also view the fivestream of the meeting online at water be

#### TESTIMONY MAY BE SUBMITTED AS FOLLOWS:

Neurosciencia de la construcción de la

- Fax to (808) 748-5079

Oral lessings will be accepted remotify and in parton during the modify. The registration is encouraged to builtate as much remote and in person lessings are used and by possible during the line allotted. Testifiers also should come submiting a writen version of here and astimomy, testimomy is limited to have (2) invites and allot to previnted by one majorand spearce of the limited in writing or cashy, deditorically or in parson, for use (1) the model of the spearce of the limited in writing or cashy, deditorically or in parson, for use (1) the model of the spearce of the limited in writing or cashy, deditorically or in parson, for use (1) the model of the spearce of the limited in writing or cashy, deditorically or in parson, for use (1) the model of the spearce of the limiting in the spearce of the distribution of the spearce of the spearce of the distribution of the distribution of the spearce of the spearce of the distribution of the spearce of the spearce of the distribution of the spearce of the spearce of the distribution of the spearce of the spearce of the distribution of the spearce of the

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MATERIAL SA WALUBLE FOR INSPECTION Keeling matricle, Toxard packat under HRS Section 92-7.5) are accessable at bard-kindersuppty.com/buckment rigs. WARNOT THE INSEETING The meeting will be keepadd at Instances of the armon on kebo to start it. You may have to unmeting (as starters, an accessable at bard-kindersuppty.com/buckment accessable), please at (800) 745-512 or enaily pour request to bandify thesay at least three business dars prior to be making date. If a napprove is received tests than three business dars prior to be making date. If a napprove is received tests than three business dars prior to be making date. If a napprove is received tests than three business dars prior to be making date. If a napprove is received tests than three business dars to be to the attent on the BMS website: www.tourdefination.com/attent date attents appear on schem, busing high be date. If a notion is a makible in alternable formats such as large privil. Brailer on the BMS website: www.tourdefination.com/attent date attents appear on schem. Not in a start attent business to a start it to unay have to unmain a vacuum attent date. If a notion is a makible in alternable formats such as large privil, Brailer on the chart settings with the schemating date. If a notion is a makible in alternable formats such as large privil, Brailer on the chart settings with the schemating date. If a notion is a makible in alternable formats such as large privil, Brailer on the chart settings with the schemating date. If a notion is a makible in alternable formats such as large privile, Brailer date. If a notion is a makible in alternable formats such as large privile, Brailer date. If a notion is a makible in alternable formats such as large privile, Brailer date. If a notion is a nailable in alternable formats such as large privile, Brailer date. If a notion is a nailable in alternable formats such as large privile, Brailer date. If a notion is a nailable in alternable formats such as large privile, Brailer date. If a notion is a

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

Meter Stre	February 1, 2026	July 1, 2024	July 1, 2025	July 1, 2828	July 1, 2027	July 1, 202
RE 0.74.	\$13.30	\$14.63	\$15.95	\$17.00	\$18.68	\$20.18
r	\$16.61	\$18,49	\$20,15	\$21.87	\$23 62	\$25.50
1.5	\$19 15	\$21.07	\$22,96	\$24.91	\$26.91	\$29,96
2	\$47.80	\$52.57	\$57.31	\$62.16	\$67.15	\$72.52
3	\$58.91	\$64.80	\$70 63	\$75.63	\$82.76	589.38
4	\$112.11	\$123.32	\$136.42	\$145.85	\$157.52	\$170.12
6	\$199.80	\$219.75	\$235 56	\$759.93	\$280 72	\$303,18
8.	\$304.46	\$334.90	\$365.05	\$396.07		
12	\$658.36	\$724.22	-		\$427.76	\$461.98
-			\$769.40	\$846.50	\$925.02	\$999,02
wantity Charges In addition to the Customer 1						
Single Family Realdential Manthly per directing units	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	Ady 1, 2021
fier 1 Essenippi Needat, First 2,000 gafters	\$4 57	\$4.69	\$4.80	\$4 92	\$5.05	\$5.17
Fier 2: 2.001 - 0.000 gallere	\$5.78	\$6 35	\$692	\$7.51	\$8.11	\$8.76
Ter 3: 6.001 - 30,000 gafens	\$6.53	\$7.34	\$8.15	\$8,98	\$9.82	\$10.74
ier 4: Over 30,000 gallone	\$10.95	\$12 32	\$13.67	\$15.06	\$16.48	\$16.02
duit-Unit Reeldentiël Wonthly per dwalling unit	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2028	July 1, 2037	July 1, 2021
Ser 1 Essential Needs: First 2.000 gallons	\$3.86	\$3.96	\$4.0G	\$4.16	\$4.27	\$4.37
fer 2. 2.001 - 4.000 gatterns	\$4.87	\$5.36	\$5.84	\$6.34	\$6.85	\$7.39
fier 3: 4,001 - 10,000 ga2ons	\$5.70	36 52	\$7.33	\$8.15	\$9.01	\$9.93
Ter 4: Over 10,000 gallers	\$7.21	\$8.25	\$9.21	\$10.33	\$11.40	\$12.57
Non-ReeldenBel	February 1, 2026	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2020
Vi f./sage	\$5.80	\$6.30	\$6.95	\$7.54	\$8.14	\$8.80
Agricultural (Monthly per eccount)	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2020	July 1, 2027	July 1, 242
tier 1 Essential Needs: First 2,000 garana	\$4.57	\$4.69	\$4.80	\$4,92	85.06	\$5.17
Tier 2: 2.001 ~ 6.000 gallons	\$5.78	\$8.35	\$6.92	\$7.51	\$8.11	\$8.76
Ser 3: Over 6,000 patene	\$2.33	\$2.57	\$2.81	\$3.05	\$1.29	36.55
ten-Pólabla@ractdah	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2036	July 1, 2027	July 1, 2021
Ut Liango	\$3.19	\$3.51	\$3.82	\$4.15	\$4.48	\$4.84
besysted Water R-1 Galf	February 1, 2024	July 1, 2034	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2021
l Utage	\$0.72	\$0.79	\$0,66	\$0.93	\$1,00	\$1.08
locyzled Water R-1 Other	February 1, 2024	July 1, 2024	July 1, 2028	July 1, 2028	July 1, 2827	July 1, 2020
Mit Respa	\$2.16	\$237	\$2.59	\$2.80	\$3.03	\$1,27
Reverse Demesis (RD)	February 1, 2024	July 1, 2020	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2020
eccil FA	\$7.00	\$7.70	\$8.39	\$9.10	\$9 83	\$10.62

Fire Meter Standby Charge: For those receiving private fire surrice, there is an additional fire meter standby charge billed monthly based on the age of the fire mater effective as fallower

Fize Weiter Size	February 1, 2024	July 1, 2024	July 1, 2025	July 1, 2826	July 1, 2027	July 1, 2020	
2" and smaller	\$6,79	\$9.67	\$ 10 54	\$11.43	\$12.35	\$13.34	1
r	\$11.32	\$12.45	\$13.57	\$14.73	\$15.90	\$17.18	1
r	\$15.85	\$17.22	\$18.77	\$20.36	\$21,99	\$2375	1
5	\$31.28	\$34.41	\$37.51	\$40.70	\$43.96	\$47,47	î
8.	\$58.23	\$54.06	\$69.82	\$75 76	\$81.82	\$88.36	î

Customer Class Definitions

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Potable Water means at water theil meets State Depurtment of Health Drinking Water Standards: For all customers, all potable water used for implicit on will be billed in accordance with the primary usage of the property Potable water customers are drivider into the tackowing cases:

Resistences in a many generation. Resistences Traple and y residential refers to single lamby and duplex residences. Multi-Unit melens to multi-unit residences relating apartments, concurrences and townbources. Convicte conclutions up to live stories in height. Hey view consis-tutes higher than three stories in height. Rea

war sport new research and the sport of the program advises. To qualify for Agricultural Quarkly Diarges, a customer must submit a motion application to the board of Water Supply and functs satisfactory proof that hey are ergoged in agriculture on a cumrental bases. Only or othering and wild be advected on metre qualifying for the agricultural quarkly charges. To continue to qualify, the application must be reserved each laced year.

<u>Net: Recision</u> letters 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. asparate residential and non-residential and resources of the second s charges, comi fai and non-

#### Non-Patable Bas Stat

nen-raioweilinettan • R. I Racycled What • R. I nacycled wale is necycled westewater that meeb State Department of Health Reuse Guidelines. • R. I Coll are towas conformes Tall incovine R.+ I water used primary for grid course ingeton. • R. O Hore are towas conformes Tall ancase R. I mayded water to burse shore I tallang discussi ingeton • Reverse Connoss (RO) Demineralized Water is recycled insciention that has been demineralized through neroes encovers.

The R-1 Goll, R-1 Other and RO Cuclomer and Chunkly Charges shall not superands existing or individually negotiated charges unless expressly identified in the contract.

Five Networkstanding Change. For machines to some, applies to services used exclusively for private five protection purposes, including accentric for sportlet scantos convected to the alarm systems, five hydrants, and well strategibles. These must be protected approximately accentric for sportlet accentrate on the strate of wells for other than fixed fighting accentrate to approximate address the address transmission or reacting of wells for other than fixed fighting accentrate of a protected approximation accentrate of the strate fixed fighting accentrate to approximate the strate of the strate fixed fixed accentrate of the strate fixed fixed accentrate of the strate fixed fixed accentrate to a strate of the strate fixed fixed accentrate accentrate of the fixed discontered at the strate fixed fixed accentrate of the fixed discontered discontered accentrate accentrate of the strate fixed fixed must be strated at the strate of the fixed discontered discontered accentrate accentrate of the strate accentrate of the strate discontered accentrate on the strate discontered accentrate accentrate on the strate accentrate on the strate discontered accentrate accentrate accentrate on the strate discontered accentrate accentrate on the strate discontered accentrate accent

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Board of Water Supply

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

Shoulby Charge A. Standay Charge will be regoriated by the Manager and Chiel Engineer with each private water system contacting for information service. Such service and the provided only during emergency or tragency service advages with the intent to protect against interrupted water service asporting roomal private system requirements. What used stat the direct of the applicable quarking the for each fractant galaxie. Approved direct/or and duration is contingent upon impacts to BVK outsames' level of service and BVKs shifty to meet Water System System state tragitionents. Addition services in optimize autoin structure and service and BVKs shifty to meet Water System. Summarks there are been required, writes mained by the Wanger and Chiel Engineer.

regions, west matter by the measure and the Corporation of Water Supply Rules and Regulations Section 1-101 Availability of Water sovies taking be provided in accountainars with Board of Water Supply Rules and Regulations Section 1-101 Availability of Water witch requires that "The Organization witch and account of Water Supply Rules and Regulations Section Protection and can assume new or addressional sources and used software to how personally being some of a

protection and call assure: here of activations show which a downing in the topic protect of garage speech Power Cest Adjustment: When Iskal power, or electricity, cash to the Board of Walar Supply surread the amount used in calcularing the annual Schedule of Rates and Charges, film the Quarkly Charges may be increased \$0.01 per 1,000 galaxs for every \$500,000 incremental power cest overage in the tobowing facal year. transeetal Regulations: Compliance Fee Gest Adjectment: The Overder Charge may be increased \$0.01 per 1,000 Ins for each \$500,000 of additional costs that the Board of Water Supply is required to incur in order to comply with any

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Federal of Sate environmental tensor ensystemes: Whiter of Hauns System Facilities' compares for Outline's distincted and Homeless Durating Units: The Board of Whiter Satyph may wave the Whiter Bystems Facebox Charget and new meter cost for qualified on-site allocable and Homeless dealing units, up to 300 dealing wasts per pare. The makes will be gradeburken in the Malling parties is admitted for agency of the City and County of Homelak. White of the Witter System Faceboard to make and the supporties agency of the City and County of Homelak. White of the Witter System Faceboard to make and the support subscript of the City and County of Homelak. White of the Witter System Faceboard to make and the subscript only to focus with subscript of the City and County of Homelak. White of the Witter System Faceboard to make and the subscript only to focus with subscript of the City and County of Homelak. White of the Witter System Faceboard to make and the only of the focus with subscript of the City and County of Homelak. White of the Witter System Faceboard to make and the subscript of the number of entitied dealing units to the total number of advecting units in the sound to on doord and a spredis System of the City and the more shall be carried and a spredis System of the City and the more shall be carried on advecting units in the Instant bern tendeducted and a spredis System for State Charge and the sound to the major shall be advected and a spredis System of the count of advecting units in the latest the Homelean tensor of the City and the State Charge and City and the sound tensor tensor tensor tensor of the City and the sound tensor tensor tensor tensor of dealing units in the Instant Base Tensor t

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#### **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
		Recy	cled 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:

<u>Non-Potable/ Brackish</u> 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 onsite 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  $\frac{3}{4}$ - 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.

#### "November 27, 2023

<b>ITEM FOR INFORMATION NO. 1</b>	
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UPDATE ON	Chair and Me	embers
THE BOARD OF	Board of Wat	er Supply
WATER SUPPLY'S	City and Cou	nty of Honolulu
RESPONSE TO	Honolulu, Hav	waii 96843
THE POTENTIAL		
IMPACTS OF	Chair and Me	embers:
RED HILL FUEL		
CONTAMINATION	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	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.
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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	Shared of health issues affecting people in other locations across the island.
	She asked for everyone to
	continue to hold the Navy accountable.

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



Photo source: Joint Task Force -Red Hill



# **RECENT EVENTS**

- 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



Red Hill Bulk Fuel Storage Facility, Oahu, Hawaii Defueling Plan Supplement 3 - November 14, 2023

Department of Definite Red Hill Defining Plan Supplement 3 (Novamber 14, 2023) – 1


# Transition to Navy Closure Task Force –Red Hill



Department of Defense Red Hill Defueling Plan Supplement 3 (November 14, 2023)

# 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







# UPCOMING EVENTS

## December:

Red Hill Remediation Roundtable

## January 2024

• Quarterly Meeting with the 3 Admirals



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



# MAHALO!

November 2023 Red Hill Updates

# Petroleum Hydrocarbons – d October 3 – November 3, 2023

Six Locations of Concern

Scenar Presa Davis Testemore: Petrolecum Hydroi achoes d Oct 3 Moy 3, 2021





Susan Poola Dalas Testimory - Petroleano Hydrocarbons d Oct 3 Nov 3, 2023



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# **Groundwater Monitoring Data**

## **EXCEEDENCES**

#### TPH-d

#### TPH-o

## January 1, 2023 – October 20, 2023

## **Source: JBPHH Safe Waters**

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Susan Pcola Davis Testimony BWS 2023 Groundwater Monitoring January-October 2023

RHMWOL	VETR 5	Jai Pe freum Hydrocarbon-Diesel Range	1900		ppg	Exceedance
HMW04	4/27/2023	Total Pe Peum Hydrocarbon-Diesel Range	2000	400	ppg	Exceedance
HAIWQ4	4/27/2 23	dial Brokern Hydrocarbon Range	2700	500	668	Exceedance
HMWM	1/27/2023	otal Petrolum Hy drocaon-Oit Range	07 E	500	PPB	Exceedance
HMWOZ	- 2023	Total Petreum Hydrocarbon-Diesel Range	ZACO	400	FRE	Exceedance
HMPNCA	5/4/2023	Total Petroleum Hydrocarbon	330	500	ppg	Exceedance
LHMW06	5/4-2 28	Total Petroleum - diocarbon-Oil Range	0021	500	PPS	Exceedance
HMM06	5/ /2023	Total Petroleum -1 1 Petron-Dies Range	đe		ERG	Exceedance
HMW02	5/9/2023	Tatal Petroleum -ly droceon-Diese Range	2300	400	ppg	Exceed sice
RHMIW08	5/11/2023	Tatal Perseum -ty dracarbon-Diesel Rige	620	400	Bad	Exceedance
61						
RHMWOS	5/11/2023	Total Petroleum Hydrogeon Oil Range	890	500	EAd	Exceedance
RHMWOZ	5/16/2023	Total Peorleum Hydrocarbon-Diesel Sange	6021	400	ish2	Exceedance
RHMW04	5/18/2023	Total Petroleum Jorocarbon-Oil Range	680	500	EAd	Exceedance
RHADWOZ	23/2023	Total Petroleum Hydrocarbon - Diesel Range	1:00	.8100	644	Exceedance
RHMWOZ	5/31 2423	Total Retroleum Hydroci foon-Diesel Ris	2600	400	ERQ	Exceedance
RHMWIG	C/1/ JE3	Total Petroleum Hydrocarbon-Dies Range	340	400	644	Exceedance
RHMW19	e. 203	Total Petroleum Hydrocarbon-O I Range	75.42	SCC	aca	Exceedance
RHMW04	6 2 2013	Total Petroleum Hydrocarbon-Diesel Range	360	4000	Ead	Exceedance
		<u>e</u>			-	
RHM9W04	6/2/2023	Total Petroleum Hydrocarbon-O/I Range	620	500	Bad	Exceedance
RHMANC4	6/2/2023	Total Retroleum Hydrocarbon-Oil Range	8±C	500	544	Exceedance
RHMW17	6/15/2023	Total Petroleum -ly drocarbon-lesel Range	0-0	400	Edd	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	500	문무덕	Exceeda 😤
RHMW17	6/15/2023	Totsl Fetroleum Hydrocarbon-Oil Range	7: 31	500	603	Exceedance
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	884	400	BHH	Exceedance
RHMW02	6/15/2025	Total Petroleum Hydrocarbon-Diesel Range	2110	400	544	Exceedance
R41414.02	7/5/2023	Total Petroleum Hydrocarbon Diesel Range	1720	400	540	Exceedance
RHMWOZ	7/5/2023	Total Petroleum Hydrocarbon-Diesel Range	2170	400	543	Exceedance
Rywon R	7/7/2023	Gtal - Deim Hy Handber-Diesel Ran &	333	400	Ede	Exceedance
RHMWOZ	· # 2 . 3	Total Per . "In Hyd ." Thon-Dies Il Range	1360	400	End	Exceedance
, RHMW02	9.7.2023	Tetal Reporteum Hydrocarbon - Asel Range	1-90	400	East	Exceedance
RHMWCZ	13/6/2023	Total Petroleum Hydrocarbon-Diesel Range	1460	400	Edd	Exceedance
RHMW02	ESOS/02/01	Total Repoleum Hydrocarbon-Diesel Range	1270	400	<b>PP2</b>	Exceed Ma
RHMWOZ	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	990	400	ppg	Exceedance

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

Susan Pcola Davis Testimony BWS 2023 Groundwater Monitoring January-October 2023

Location ID	Sampling Date	Analyte Name Va	alidated FScreening 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

•

Susan Pcola-Davis Testimony BWS 2023 Wells TPHd TPHo Tracking - Original

4

Location ID	Sampling Date Analyte Name	Validated Results	Screening Level Units	Results
RHMW01R	1/4/2023 Total Petroleum Hydrocarbon-Diesel Range	1800		Exceedance
	,	1000	400 110	Exceedance
RHMW02	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
RHMW02	1/25/2023 Total Petroleum Hydrocarbon-Oil Range	700	500 PPB	Exceedance
RHMW02	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	
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 400 PPB	Exceedance
RHMW02	3/15/2023 Total Petroleum Hydrocarbon-Oil Range	650	500 PPB	Exceedance Exceedance
RHMW02	4/4/2023 Total Petroleum Hydrocarbon-Diesel Range	1500	400 PPB	
RHMW02	4/27/2023 Total Petroleum Hydrocarbon-Diesel Range	2000	400 PPB	Exceedance
RHMW02	3/21/2023 Total Petroleum Hydrocarbon-Diesel Range	1500	400 PPB 400 PPB	Exceedance Exceedance
RHMW02	3/28/2023 Total Petroleum Hydrocarbon-Diesel Range	1300	400 PPB	
RHMW02	4/12/2023 Total Petroleum Hydrocarbon-Diesel Range	1900	400 PPB	Exceedance Exceedance
RHMW02	4/25/2023 Total Petroleum Hydrocarbon-Diesel Range	1900	400 PPB	Exceedance
RHMW02	4/27/2023 Total Petroleum Hydrocarbon-Diesel Range	1800	400 PPB	Exceedance
RHMW02	4/27/2023 Total Petroleum Hydrocarbon-Oil Range	2700	500 PPB	Exceedance
RHMW02	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
RHMW02	5/4/2023 Total Petroleum Hydrocarbon-Oil Range	530	500 PPB	Exceedance
RHMW02	5/4/2023 Total Petroleum Hydrocarbon-Oil Range	1300	500 PPB	Exceedance
RHMW02	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
RHMW02	5/11/2023 Total Petroleum Hydrocarbon-Diesel Range	620	400 PPB	Exceedance
RHMW04	5/11/2023 Total Petroleum Hydrocarbon-Oil Range	890	500 PPB	Exceedance
RHMW04	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
RHMW04	5/23/2023 Total Petroleum Hydrocarbon-Diesel Range	1100	400 PPB	Exceedance
RHMW04	5/31/2023 Total Petroleum Hydrocarbon-Diesel Range	2600	400 PPB	Exceedance
RHMW04	6/1/2023 Total Petroleum Hydrocarbon-Diesel Range	540	400 PPB	Exceedance
RHMW04	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
RHMW04	6/15/2023 Total Petroleum Hydrocarbon-Diesel Range	1040	400 PPB	Exceedance
RHMW06	6/15/2023 Total Petroleum Hydrocarbon-Oil Range	687	500 PPB	Exceedance
RHMW06	6/15/2023 Total Petroleum Hydrocarbon-Oil Range	791	500 PPB	Exceedance
RHMW08	6/15/2023 Total Petroleum Hydrocarbon-Diesel Range	884	400 PPB	Exceedance
RHMW08	6/15/2023 Total Petroleum Hydrocarbon-Diesel Range	2110	400 PPB	Exceedance
RHMW08	7/7/2023 Total Petroleum Hydrocarbon-Diesel Range	988	400 PPB	Exceedance
RHMW08	7/5/2023 Total Petroleum Hydrocarbon-Diesel Range	1720	400 PPB	Exceedance
RHMW17	7/5/2023 Total Petroleum Hydrocarbon-Diesel Range	2170	400 PPB	Exceedance
RHMW17	8/3/2023 Total Petroleum Hydrocarbon-Diesel Range	1360	400 PPB	Exceedance
RHMW17	9/7/2023 Total Petroleum Hydrocarbon-Diesel Range	1190	400 PPB	Exceedance
RHMW17	10/6/2023 Total Petroleum Hydrocarbon-Diesel Range	1460	400 PPB	Exceedance
RHMW19	10/20/2023 Total Petroleum Hydrocarbon-Diesel Range	1170	400 PPB	Exceedance
RHMW19	10/20/2023 Total Petroleum Hydrocarbon-Diesel Range	990	400 PPB	Exceedance

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Location ID	Sampling Date Analyte Name	Validated Results 1800	Screening Level 400		Results Exceedance
RHMW02	1/4/2023 Total Petroleum Hydrocarbon-Diesel Range	680	500		Exceedance
RHMW04	1/10/2023 Total Petroleum Hydrocarbon-Oil Range 1/17/2023 Total Petroleum Hydrocarbon-Diesel Range	1700	400		Exceedance
RHMW02	1/24/2023 Total Petroleum Hydrocarbon-Oil Range	700	500		Exceedance
RHMW08	1/25/2023 Total Petroleum Hydrocarbon-Diesel Range	840	400		Exceedance
RHMW08	1/25/2023 Total Petroleum Hydrocarbon-Diesel Range	2100	400		Exceedance
RHMW02	1/30/2023 Total Petroleum Hydrocarbon-Diesel Range	2000	400		Exceedance
RHMW02	1/30/2023 Total Petroleum Hydrocarbon-Dieser Kange	2000	400		Exceedance
RHMW02	2/14/2023 Total Petroleum Hydrocarbon-Diesel Range	1860	400	PPB	Exceedance
RHMW02	2/21/2023 Total Petroleum Hydrocarbon-Diesel Range	1600	400	PPB	Exceedance
RHMW02	2/28/2023 Total Petroleum Hydrocarbon-Diesel Range	1200	400	PPB	Exceedance
RHMW02	3/7/2023 Total Petroleum Hydrocarbon-Diesel Range	1800	400		Exceedance
RHMW02	3/14/2023 Total Petroleum Hydrocarbon-Diesel Range	620	400		Exceedance
RHMW02	3/15/2023 Total Petroleum Hydrocarbon-Diesel Range	1200	400		Exceedance
RHMW04	3/15/2023 Total Petroleum Hydrocarbon-Oil Range	- 650	500		Exceedance
RHMW02	3/21/2023 Total Petroleum Hydrocarbon-Diesel Range	1500	400		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
	- /2 /2020 Total Dataslaura Understraten Discol Pango	2400	400	PPR	Exceedance
RHMW02	5/2/2023 Total Petroleum Hydrocarbon-Diesel Range	530			Exceedance
RHMW04	5/4/2023 Total Petroleum Hydrocarbon-Oil Range 5/4/2023 Total Petroleum Hydrocarbon-Oil Range	1300	500		Exceedance
RHMW06	5/4/2023 Total Petroleum Hydrocarbon-Diesel Range	860	400		Exceedance
RHMW06	5/9/2023 Total Petroleum Hydrocarbon-Diesel Range	2300			Exceedance
RHMW02	5/11/2023 Total Petroleum Hydrocarbon-Diesel Range	620	400		Exceedance
RHMW08 RHMW08	5/11/2023 Total Petroleum Hydrocarbon-Oil Range	890	500		Exceedance
RHMW02	5/16/2023 Total Petroleum Hydrocarbon-Diesel Range	1900	400	PPB	Exceedance
RHMW02	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
	o // /oone way to the test of the descention Discol Parent	540	400	PPR	Exceedance
RHMW19	6/1/2023 Total Petroleum Hydrocarbon-Diesel Range 6/1/2023 Total Petroleum Hydrocarbon-Oil Range	710	500		Exceedance
RHMW19	6/1/2023 Total Petroleum Hydrocarbon-Diesel Range	560	400		Exceedance
RHMW04	6/2/2023 Total Petroleum Hydrocarbon-Oil Range	620			Exceedance
RHMW04	6/2/2023 Total Petroleum Hydrocarbon-Oil Range	810			Exceedance
RHMW04 RHMW17	6/15/2023 Total Petroleum Hydrocarbon-Diesel Range	1040		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
			400	000	Fuendance
RHMW01R	7/5/2023 Total Petroleum Hydrocarbon-Diesel Range	988 1720			Exceedance Exceedance
RHMW02	7/5/2023 Total Petroleum Hydrocarbon-Diesel Range	2170			Exceedance
RHMW02	7/7/2023 Total Petroleum Hydrocarbon-Diesel Range	21/0	400		
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			Exceedance
RHMW02	10/20/2023 Total Petroleum Hydrocarbon-Diesel Range	1170			Exceedance
RHMW02	10/20/2023 Total Petroleum Hydrocarbon-Diesel Range	990	400	PPB	Exceedance

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Susan Pcola-Davis Testimony BWS 2023 Wells TPHd TPHo Tracking - Date

Location IDSampling DateAnalyte NameValidated ResultsScreening LevelUnitsResultsRHMW003/15/2023 Total Petroleum Hydrocarbon-Diesel Range1800400 PPBExceedanceRHMW011/12/2023 Total Petroleum Hydrocarbon-Diesel Range700500 PPBExceedanceRHMW021/12/2023 Total Petroleum Hydrocarbon-Diesel Range700500 PPBExceedanceRHMW021/12/2023 Total Petroleum Hydrocarbon-Diesel Range2100400 PPBExceedanceRHMW021/22/2023 Total Petroleum Hydrocarbon-Diesel Range2100400 PPBExceedanceRHMW021/21/2023 Total Petroleum Hydrocarbon-Diesel Range1800400 PPBExceedanceRHMW022/12/2023 Total Petroleum Hydrocarbon-Diesel Range1800400 PPBExceedanceRHMW022/12/2023 Total Petroleum Hydrocarbon-Diesel Range1000400 PPBExceedanceRHMW023/12/2023 Total Petroleum Hydro			*:		
RHMW04         3/15/2023         Total Petroleum Hydrocarbon-Diesel Range         500         PPE         Exceedance           RHMW02         1/10/2023         Total Petroleum Hydrocarbon-Diesel Range         1700         400         PPE         Exceedance           RHMW08         1/25/2023         Total Petroleum Hydrocarbon-Diesel Range         840         400         PPE         Exceedance           RHMW02         1/17/2023         Total Petroleum Hydrocarbon-Diesel Range         2100         400         PPE         Exceedance           RHMW02         1/24/2023         Total Petroleum Hydrocarbon-Diesel Range         1800         400         PPE         Exceedance           RHMW02         2/14/2023         Total Petroleum Hydrocarbon-Diesel Range         1800         400         PPE         Exceedance           RHMW02         3/14/2023         Total Petroleum Hydrocarbon-Diesel Range         1800         400         PPE         Exceedance           RHMW02         3/14/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400         PPE         Exceedance           RHMW02         3/14/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400         PPE         Exceedance           RHMW02         3/12/2023         Total Petroleum		Sampling Date Analyte Name	Validated Results	Screening Level U	nits Results
RHMW02         1/10/2023 Total Petroleum Hydrocarbon-Diesel Range         1700         400 PPB         Exceedance           RHMW08         1/25/2023 Total Petroleum Hydrocarbon-Diesel Range         2100         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         2100         400 PPB         Exceedance           RHMW02         1/24/2023 Total Petroleum Hydrocarbon-Diesel Range         1860         400 PPB         Exceedance           RHMW02         2/24/2023 Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         2/24/2023 Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance			1800	400 P	PB Exceedance
RHMW08         1/25/2023         Total Petroleum Hydrocarbon-Diesel Range         700         FD0         Exceediance           RHMW08         1/25/2023         Total Petroleum Hydrocarbon-Diesel Range         840         400         PPE         Exceediance           RHMW02         1/24/2023         Total Petroleum Hydrocarbon-Diesel Range         2000         400         PPE         Exceediance           RHMW02         1/24/2023         Total Petroleum Hydrocarbon-Diesel Range         1600         400         PPE         Exceediance           RHMW02         2/24/2023         Total Petroleum Hydrocarbon-Diesel Range         1600         400         PPE         Exceediance           RHMW02         2/24/2023         Total Petroleum Hydrocarbon-Diesel Range         1600         400         PPE         Exceediance           RHMW02         3/1/2023         Total Petroleum Hydrocarbon-Diesel Range         100         400         PPE         Exceediance           RHMW04         3/1/2023         Total Petroleum Hydrocarbon-Diesel Range         100         400         PPE         Exceediance           RHMW02         3/2/2023         Total Petroleum Hydrocarbon-Diesel Range         100         400         PPE         Exceediance           RHMW04         4/2/2023         Total Petrole	RHMW04	3/15/2023 Total Petroleum Hydrocarbon-Diesel Range	680	500 P	PB Exceedance
RHW003         1/25/2023         Total Petroleum Hydrocarbon-Diesel Range         840         400 PPB         Exceedance           RHMW02         1/1/1/2023         Total Petroleum Hydrocarbon-Diesel Range         2100         400 PPB         Exceedance           RHMW02         1/24/2023         Total Petroleum Hydrocarbon-Diesel Range         1860         400 PPB         Exceedance           RHMW02         2/1/2023         Total Petroleum Hydrocarbon-Diesel Range         1800         400 PPB         Exceedance           RHMW02         2/1/2023         Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         3/1/2023         Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         3/1/2023         Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         3/1/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance <t< td=""><td>RHMW02</td><td>1/10/2023 Total Petroleum Hydrocarbon-Diesel Range</td><td>1700</td><td>400 P</td><td>PB Exceedance</td></t<>	RHMW02	1/10/2023 Total Petroleum Hydrocarbon-Diesel Range	1700	400 P	PB Exceedance
RHMW02         1/17/2023 Total Petroleum Hydrocarbon-Diesel Range         2100         400 PPE         Exceedance           RHMW02         1/2/4/2023 Total Petroleum Hydrocarbon-Diesel Range         2000         400 PPE         Exceedance           RHMW02         2/1/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1600         400 PPE         Exceedance           RHMW02         2/1/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1600         400 PPE         Exceedance           RHMW02         2/1/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPE         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPE         Exceedance           RHMW04         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPE         Exceedance           RHMW04         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPE         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPE         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPE         Exceedance           RHMW02         4/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPE         Exceedance	RHMW08	1/25/2023 Total Petroleum Hydrocarbon-Diesel Range	700	500 P	PB Exceedance
RHMW02         1/24/2023         Total Petroleum Hydrocarbon-Diesel Range         2000         400 PP8         Exceedance           RHMW02         1/30/2023         Total Petroleum Hydrocarbon-Diesel Range         1660         400 PP8         Exceedance           RHMW02         2/12/203         Total Petroleum Hydrocarbon-Diesel Range         1200         400 PP8         Exceedance           RHMW02         2/12/203         Total Petroleum Hydrocarbon-Diesel Range         620         400 PP8         Exceedance           RHMW02         3/1/12/203         Total Petroleum Hydrocarbon-Diesel Range         650         500 PP8         Exceedance           RHMW02         3/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PP8         Exceedance           RHMW02         3/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PP8         Exceedance           RHMW02         3/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1300         400 PP8         Exceedance           RHMW02         3/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1300         400 PP8         Exceedance           RHMW02         4/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1300         400 PP8         Exceedance	RHMW08	1/25/2023 Total Petroleum Hydrocarbon-Diesel Range	840	400 PI	PB Exceedance
RHMW02         1/30/2023 Total Petroleum Hydrocarbon-Diesel Range         1860         400 PPB         Exceedance           RHMW02         2/14/2023 Total Petroleum Hydrocarbon-Diesel Range         1000         400 PPB         Exceedance           RHMW02         2/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         620         400 PPB         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         650         500 PPB         Exceedance           RHMW04         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW02         3/1/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW02         3/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW02         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW04         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW04         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance	RHMW02	1/17/2023 Total Petroleum Hydrocarbon-Diesel Range	2100	400 PI	PB Exceedance
RHMW02         2/14/2023         Total Petroleum Hydrocarbon-Diesel Range         1000         400         PRB         Exceedance           RHMW02         2/21/2023         Total Petroleum Hydrocarbon-Diesel Range         1200         400         PRB         Exceedance           RHMW02         3/1/2/203         Total Petroleum Hydrocarbon-Diesel Range         620         400         PRB         Exceedance           RHMW02         3/1/2/203         Total Petroleum Hydrocarbon-Diesel Range         650         500         PRB         Exceedance           RHMW04         3/12/203         Total Petroleum Hydrocarbon-Diesel Range         1500         400         PRB         Exceedance           RHMW02         3/12/203         Total Petroleum Hydrocarbon-Diesel Range         1500         400         PRB         Exceedance           RHMW02         3/12/203         Total Petroleum Hydrocarbon-Diesel Range         1900         400         PRB         Exceedance           RHMW02         4/12/2033         Total Petroleum Hydrocarbon-Diesel Range         1900         400         PRB         Exceedance           RHMW04         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1900         400         PRB         Exceedance           RHMW04         4/27/2023         <	RHMW02	1/24/2023 Total Petroleum Hydrocarbon-Diesel Range	2000	400 P	PB Exceedance
RHMW02         2/21/2023         Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         2/28/2023         Total Petroleum Hydrocarbon-Diesel Range         1600         400 PPB         Exceedance           RHMW02         3/14/2023         Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         3/14/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW04         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023         Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW02         4/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW04         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW04         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance	RHMW02	1/30/2023 Total Petroleum Hydrocarbon-Diesel Range	1860	400 PI	PB 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           RHMW04         3/14/2023         Total Petroleum Hydrocarbon-Diesel Range         650         500 PPB         Exceedance           RHMW04         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         4/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         4/12/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW04         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW04         4/27/2023         Total Petroleum Hydrocarbon-Diesel Range         1500         500 PPB         Exceedance	RHMW02	2/14/2023 Total Petroleum Hydrocarbon-Diesel Range	1600	400 P	PB Exceedance
RHMW02         3/17/2023 Total Petroleum Hydrocarbon-Diesel Range         620         400 PPB         Exceedance           RHMW02         3/14/2023 Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW02         4/14/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         4/12/1023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW02         3/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW02         3/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1900         400 PPB         Exceedance           RHMW02         4/12/2023 Total Petroleum Hydrocarbon-Diesel Range         1800         400 PPB         Exceedance           RHMW04         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance           RHMW04         5/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance           RHMW06         5/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance	RHMW02	2/21/2023 Total Petroleum Hydrocarbon-Diesel Range	1200	400 P	PB Exceedance
RHMW02         3/14/2023 Total Petroleum Hydrocarbon-Diesel Range         1200         400 PPB         Exceedance           RHMW04         3/15/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         4/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         400 PPB         Exceedance           RHMW02         3/21/2023 Total Petroleum Hydrocarbon-Diesel Range         1900         400 PPB         Exceedance           RHMW02         4/12/2023 Total Petroleum Hydrocarbon-Diesel Range         1900         400 PPB         Exceedance           RHMW02         4/12/2023 Total Petroleum Hydrocarbon-Diesel Range         1800         400 PPB         Exceedance           RHMW04         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance           RHMW04         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         3100         500 PPB         Exceedance           RHMW02         5/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance           RHMW06         5/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance	RHMW02	2/28/2023 Total Petroleum Hydrocarbon-Diesel Range	1800	400 PI	PB Exceedance
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RHMW04         3/15/2023 Total Petroleum Hydrocarbon-Diesel Range         650         500 PPB         Exceedance           RHMW04         4/4/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/22/2023 Total Petroleum Hydrocarbon-Diesel Range         1500         400 PPB         Exceedance           RHMW02         3/22/2023 Total Petroleum Hydrocarbon-Diesel Range         1900         400 PPB         Exceedance           RHMW02         3/22/2023 Total Petroleum Hydrocarbon-Diesel Range         1900         400 PPB         Exceedance           RHMW02         4/12/2023 Total Petroleum Hydrocarbon-Diesel Range         1900         400 PPB         Exceedance           RHMW04         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         1300         500 PPB         Exceedance           RHMW04         4/27/2023 Total Petroleum Hydrocarbon-Diesel Range         3100         500 PPB         Exceedance           RHMW04         5/4/2023 Total Petroleum Hydrocarbon-Diesel Range         530         500 PPB         Exceedance           RHMW04         5/4/2023 Total Petroleum Hydrocarbon-Diesel Range         530         500 PPB         Exceedance           RHMW05         5/4/2023 Total Petroleum Hydrocarbon-Diesel Range         620         400 PPB         Exceedance <t< td=""><td>RHMW02</td><td>3/14/2023 Total Petroleum Hydrocarbon-Diesel Range</td><td>1200</td><td></td><td></td></t<>	RHMW02	3/14/2023 Total Petroleum Hydrocarbon-Diesel Range	1200		
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RHMW027/5/2023 Total Petroleum Hydrocarbon-Oil Range1720400 PPBExceedanceRHMW027/5/2023 Total Petroleum Hydrocarbon-Oil Range2170400 PPBExceedanceRHMW028/3/2023 Total Petroleum Hydrocarbon-Oil Range1360400 PPBExceedanceRHMW029/7/2023 Total Petroleum Hydrocarbon-Oil Range1190400 PPBExceedanceRHMW0210/6/2023 Total Petroleum Hydrocarbon-Oil Range1190400 PPBExceedanceRHMW0210/6/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1170400 PPBExceedance					
RHMW027/5/2023 Total Petroleum Hydrocarbon-Oil Range2170400 PPBExceedanceRHMW028/3/2023 Total Petroleum Hydrocarbon-Oil Range1360400 PPBExceedanceRHMW029/7/2023 Total Petroleum Hydrocarbon-Oil Range1190400 PPBExceedanceRHMW0210/6/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1170400 PPBExceedance					
RHMW028/3/2023 Total Petroleum Hydrocarbon-Oil Range1360400 PPBExceedanceRHMW029/7/2023 Total Petroleum Hydrocarbon-Oil Range1190400 PPBExceedanceRHMW0210/6/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1170400 PPBExceedance					
RHMW029/7/2023 Total Petroleum Hydrocarbon-Oil Range1190400 PPBExceedanceRHMW0210/6/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1170400 PPBExceedance					
RHMW0210/6/2023 Total Petroleum Hydrocarbon-Oil Range1460400 PPBExceedanceRHMW0210/20/2023 Total Petroleum Hydrocarbon-Oil Range1170400 PPBExceedance					
RHMW02         10/20/2023 Total Petroleum Hydrocarbon-Oil Range         1170         400 PPB         Exceedance					
			550	-00 FI	

Susan Pcola-Davis Testimony BWS 2023 Wells TPHd TPHo Tracking - Petroleum

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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
RHMW02	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		Exceedance
RHMW02	2/14/2023 Total Petroleum Hydrocarbon-Diesel Range	1600		Exceedance
RHMW02	2/21/2023 Total Petroleum Hydrocarbon-Diesel Range	1200		Exceedance
RHMW02	2/28/2023 Total Petroleum Hydrocarbon-Diesel Range	1800		Exceedance
RHMW02	3/7/2023 Total Petroleum Hydrocarbon-Diesel Range	620		Exceedance
RHMW02	3/14/2023 Total Petroleum Hydrocarbon-Diesel Range	1200		Exceedance
RHMW02	3/15/2023 Total Petroleum Hydrocarbon-Oil Range	650		Exceedance
RHMW04	4/4/2023 Total Petroleum Hydrocarbon-Diesel Range	1500		Exceedance
RHMW02	4/27/2023 Total Petroleum Hydrocarbon-Diesel Range	2000		Exceedance
RHMW04	3/21/2023 Total Petroleum Hydrocarbon-Diesel Range	1500		Exceedance
RHMW02	3/28/2023 Total Petroleum Hydrocarbon-Diesel Range	1300		Exceedance
RHMW02	4/12/2023 Total Petroleum Hydrocarbon-Diesel Range	1900		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		Exceedance
RHMW04	6/2/2023 Total Petroleum Hydrocarbon-Oil Range	620		Exceedance
RHMW04	6/2/2023 Total Petroleum Hydrocarbon-Oil Range	810		Exceedance
RHMW17	6/15/2023 Total Petroleum Hydrocarbon-Diesel Range	1040		Exceedance
RHMW17	6/15/2023 Total Petroleum Hydrocarbon-Oil Range	687		Exceedance
RHMW17	6/15/2023 Total Petroleum Hydrocarbon-Oil Range	791		Exceedance
RHMW17	6/15/2023 Total Petroleum Hydrocarbon-Diesel Range	884		Exceedance
RHMW02	6/15/2023 Total Petroleum Hydrocarbon-Diesel Range	2110		Exceedance
RHMW01R	7/7/2023 Total Petroleum Hydrocarbon-Diesel Range	988		Exceedance
RHMW02	7/5/2023 Total Petroleum Hydrocarbon-Diesel Range	1720		Exceedance
RHMW02	7/5/2023 Total Petroleum Hydrocarbon-Diesel Range	2170		Exceedance Exceedance
RHMW02	8/3/2023 Total Petroleum Hydrocarbon-Diesel Range	1360		Exceedance
RHMW02	9/7/2023 Total Petroleum Hydrocarbon-Diesel Range	1190		Exceedance
RHMW02	10/6/2023 Total Petroleum Hydrocarbon-Diesel Range	1460 1170		Exceedance
RHMW02	10/20/2023 Total Petroleum Hydrocarbon-Diesel Range	990		Exceedance
RHMW02	10/20/2023 Total Petroleum Hydrocarbon-Diesel Range	350	-00110	

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Susan Pcola-Davis Testimony BWS 2023 Wells TPHd TPHo Tracking - Exceedance

Location ID	Sampling Date	Analyte Name	Validated Results	Screening Level
RHMW02	1/4/2023	Total Petroleum Hydrocarbon-Diesel Range	1800	)
RHMW04	3/15/2023	Total Petroleum Hydrocarbon-Oil Range	680	)
RHMW02	1/10/2023	Total Petroleum Hydrocarbon-Diesel Range	1700	)
RHMW08		Total Petroleum Hydrocarbon-Oil Range	700	)
RHMW08		Total Petroleum Hydrocarbon-Diesel Range	840	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	2100	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	2000	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1860	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1600	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1200	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1800	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	620	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1200	
RHMW04		Total Petroleum Hydrocarbon-Oil Range	650	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1500	
RHMW04		Total Petroleum Hydrocarbon-Diesel Range	2000	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1500	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1300	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1900	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1900	
RHMW04		Total Petroleum Hydrocarbon-Diesel Range	1800	
RHMW04		Total Petroleum Hydrocarbon-Oil Range	2700	
RHMW04		Total Petroleum Hydrocarbon-Oil Range	3100	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	2400	
RHMW04		Total Petroleum Hydrocarbon-Oil Range	530	
RHMW06		Total Petroleum Hydrocarbon-Oil Range	1300	
RHMW06		Total Petroleum Hydrocarbon-Diesel Range	860	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	2300	
RHMW08		Total Petroleum Hydrocarbon-Diesel Range	620	)
RHMW08		Total Petroleum Hydrocarbon-Oil Range	890	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1900	)
RHMW04		Total Petroleum Hydrocarbon-Oil Range	680	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1100	)
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	2600	)
RHMW19		Total Petroleum Hydrocarbon-Diesel Range	540	)
RHMW19	6/1/2023	Total Petroleum Hydrocarbon-Oil Range	710	)
RHMW04		Total Petroleum Hydrocarbon-Diesel Range	560	)
RHMW04		Total Petroleum Hydrocarbon-Oil Range	620	)
RHMW04	6/2/2023	Total Petroleum Hydrocarbon-Oil Range	810	)
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	1040	)
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	687	7
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Oil Range	793	L
RHMW17	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	884	1
RHMW02	6/15/2023	Total Petroleum Hydrocarbon-Diesel Range	2110	)
RHMW01R		Total Petroleum Hydrocarbon-Diesel Range	988	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1720	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	2170	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1360	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1190	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1460	
RHMW02		Total Petroleum Hydrocarbon-Diesel Range	1170	-
RHMW02	10/20/2023	Total Petroleum Hydrocarbon-Diesel Range	990	)

400 PPB Exceedance 500 PPB Exceedance 400 PPB Exceedance 500 PPB Exceedance 400 PPB Exceedance 400 PPB Exceedance 400 PPB Exceedance 500 PPB Exceedance 400 PPB Exceedance 500 PPB Exceedance 500 PPB Exceedance Exceedance 400 PP8 500 PPB Exceedance 500 PPB Exceedance 400 PPB Exceedance

Units Results

Exceedance

400 PPB

500 PPB

400 PPB

500 PPB

400 PP8

500 PPB

400 PPB

500 PPB

500 PPB

400 PPB

500 PPB

500 PPB

400 PPB

400 PPB

				Screening	Reported		
Location	Address Sa		Analyte Name	Level	Results	Units	Screening
A3-WEKA4742B	4742B West Ekahi Way	10/3/2023 113 111 0020110 0000	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection Detection
A3-10456577A	6577A 104th Street	10/3/2023 A3-TW-0017389-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L UG/L	Detection
A3-HERO6150	6150 Heron Avenue	10/4/2023 A3-TW-0016577-23157-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-1ROQ5066A	5066A Iroquois Avenue	10/4/2023 A3-TW-0017213-23157-N 10/4/2023 A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023 A3-TW-001624/223157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-IROQ5066A	5066A Iroquois Avenue 6079B Heron Avenue	10/4/2023 A3-TW-0016247-23157-N	Petroleum Hydrocarbons (as Diesel)	200	74.7	UG/L	Detection
A3-HERO6079B A3-HERO6161A	6161A Heron Avenue	10/4/2023 A3-TW-0016588-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-HERO6087B	6087B Heron Avenue	10/4/2023 A3-TW-0016251-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-IROQ5133A	5133A Iroquois Avenue	10/4/2023 A3-TW-0016085-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-HERO6143A	6143A Heron Avenue	10/4/2023 A3-TW-0016573-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L UG/L	Detection Detection
A3-104S6558B	6558B 104th Street	10/4/2023 A3-TW-0017376-23157-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023 A3-TW-0017213-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-HERO6079B	6079B Heron Avenue	10/4/2023 A3-TW-0016247-23157-N 10/4/2023 A3-TW-0016588-23157-N	Petroleum Hydrocarbons (as Diesel)	200		UG/L	Detection
A3-HERO6161A	6161A Heron Avenue 6087B Heron Avenue	10/4/2023 A3-TW-0016251-23157-N	Petroleum Hydrocarbons (as Diesel)	200	0 65.3	UG/L	Detection
A3-HERO6087B	5133A Iroquois Avenue	10/4/2023 A3-TW-0016085-23157-N	Petroleum Hydrocarbons (as Diesel)	20	0 57.9	UG/L	Detection
A3-IROQ5133A A3-HERO6143A	6143A Heron Avenue	10/4/2023 A3-TW-0016573-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
A3-10456558B	6558B 104th Street	10/4/2023 A3-TW-0017376-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
A3-11056810A	6810A 110th Street	10/5/2023 A3-TW-0017421-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L UG/L	Detection Detection
A3-WELU4774B	4774B West Elua Way	10/5/2023 A3-TW-0016830-23157-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
A3-IROQ5151	5151 Iroquois Avenue	10/5/2023 A3-TW-0016280-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
A3-KELA4974C	4974C Kela Place	10/5/2023 A3-TW-0016844-23157-N 10/5/2023 A3-TW-0016884-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
A3-EONO4938B	4938B Eono Way	10/5/2023 A3-1W-0010868-23157-14 10/6/2023 F2-TW-0010868-23155-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-SAND0719	719 Sanders Circle FH:321	10/6/2023 D2-DL-0017709-23157-N	Petroleum Hydrocarbons (as Diesel)	20	0 61.8	UG/L	Detection
D2-HYD321 D2-HYD365	FH:365	10/6/2023 D2-DL-0017717-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-HYD0003	FH 3	10/6/2023 F2-DL-0017772-23155-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
D2-HYD0498	FH:509	10/6/2023 D2-DL-0017715-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-HYD0011	FH 11	10/6/2023 F2-DL-0017745-23155-N	Petroleum Hydrocarbons (as Diesel)	20	-	UG/L	Detection Detection
D2-HYD56	FH:056	10/6/2023 D2-DL-0017708-23157-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-HYD0012	FH 12 (F2-HYD1338)	10/6/2023 F2-DL-0017776-23155-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
D2-HYD84	FH:084	10/6/2023 D2-DL-0017713-23157-N 10/6/2023 D2-DL-0000583-23157-N	Petroleum Hydrocarbons (as Diesel)	20	-	UG/L	Detection
D2-HYD1610	FH:074	10/6/2023 F2-DL-0000365-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-HYD0014	FH 14 FH:236 (Possibly HYD263, H	10/6/2023 D2-DL-0017711-23157-N	Petroleum Hydrocarbons (as Diesel)	20	0 115	GUG/L	Detection
D2-HYD236 D2-HYD0079	FH:519	10/6/2023 D2-DL-0017714-23157-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-ARIZ2782	2782 Arizona Road	10/9/2023 F2-TW-0010780-23155-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-DRIS2991	2991 Driskell Drive	10/9/2023 F2-TW-0011444-23155-N	Petroleum Hydrocarbons (as Diesel)	20		BUG/L	Detection Detection
F1-FUQU5201	5201 Fuqua Lane	10/9/2023 F1-TW-0009213-23155-N	Petroleum Hydrocarbons (as Diesel)	20 20		5 UG/L 2 UG/L	Detection
F2-BENF5423	5423 Benfold Lane	10/9/2023 F2-TW-0011059-23155-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)	20		5 UG/L	Detection
F2-FINC4116	4116 Fincher Street	10/9/2023 F2-TW-0011469-23155-N 10/9/2023 F1-TW-0009150-23155-N	Petroleum Hydrocarbons (as Diesel)	20		BUG/L	Detection
F1-TAYL3407	3407 Taylor Street	10/9/2023 F2-TW-0009602-23155-N	Petroleum Hydrocarbons (as Diesel)	20	0 84.9	UG/L	Detection
F2-ANDE2968	2968 Anderson Avenue 3407 Taylor Street	10/9/2023 F1-TW-0009150-23155-3-N	Petroleum Hydrocarbons (as Diesel)	20	-	L UG/L	Detection
F1-TAYL3407 F2-STOW2739	2739 Stowell Circle	10/9/2023 F2-TW-0009280-23155-N	Petroleum Hydrocarbons (as Diesel)	20		OUG/L	Detection
F2-STOW2739	2739 Stowell Circle	10/9/2023 F2-TW-0009280-23155-3-N	Petroleum Hydrocarbons (as Diesel)	20		3 UG/L 7 UG/L	Detection
F2-DEWE0569	569 Dewert Court	10/9/2023 F2-TW-0011152-23155-N	Petroleum Hydrocarbons (as Diesel)	20	-	5 UG/L	Detection
F2-VAES3044	3044 Vaessen Court	10/9/2023 F2-TW-0009336-23155-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)	20		BUG/L	Detection
F1-MCM05406	5406 McMorris Drive	10/9/2023 F1-TW-0008836-23155-N	Petroleum Hydrocarbons (as Diesel)	20		UG/L	Detection
F2-COLE4110	4110 Colegrove Street	10/9/2023 F2-TW-0011127-23155-N 10/9/2023 F1-TW-0009161-23155-N	Petroleum Hydrocarbons (as Diesel)	20		5 UG/L	Detection
F1-TAYL3418	3418 Taylor Street	10/9/2023 F2-TW-0011594-23155-N	Petroleum Hydrocarbons (as Diesel)	20	0 79.3	3 UG/L	Detection
F2-GORD2736	2736 Gordon Street 255 Bougainvillea Loop	10/10/2023 H1-TW-0013304-23147-A	Petroleum Hydrocarbons (as Diesel)	20		1 UG/L	Detection
H1-BOUG0255	4665 Kou Lane	10/10/2023 H1-TW-0013055-23147-A	Petroleum Hydrocarbons (as Diesel)	20		7 UG/L	Detection
H1-KOU 4665 H1-KOBA4410	4410 Kobashigawa Street	10/10/2023 H1-TW-0012998-23147-A	Petroleum Hydrocarbons (as Diesel)	20		9 UG/L	Detection
H1-CROT4312	4312 Croton Street	10/10/2023 H1-TW-0012810-23147-A	Petroleum Hydrocarbons (as Diesel)	20		7 UG/L 6 UG/L	Detection Detection
H1-BAMB3610	3610 Bamboo Lane	10/10/2023 H1-TW-0013238-23147-A	Petroleum Hydrocarbons (as Diesel)	20		4 UG/L	Detection
H1-MACA5048	5048 Macadamia Lane	10/10/2023 H1-TW-0013093-23147-A	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)	20		3 UG/L	Detection
H1-IXOR6613	6613 Ixora Lane	10/10/2023 H1-TW-0012937-23147-A		20		1 UG/L	Detection
H1-GUAV3827	3827 Guava Lane	10/10/2023 H1-TW-0012859-23147-3-A 10/10/2023 H2-DL-0000688-23155-A	Petroleum Hydrocarbons (as Diesel)	20		1 UG/L	Detection
H2-HYD1646A	Hydrant 1646	10/10/2023 H2-DL-0000888-23153-A 10/10/2023 H1-TW-0012830-23147-A	Petroleum Hydrocarbons (as Diesel)			6 UG/L	Detection
H1-GARD4609	4609 Gardenia Lane Hydrant 1646	10/10/2023 H2-DL-0000688-23155-3-A	Petroleum Hydrocarbons (as Diesel)			8 UG/L	Detection
H2-HYD1646A H1-BLDG1782	AMR Child & Youth Services	10/10/2023 H1-TW-0017683-23147-A-1	Petroleum Hydrocarbons (as Diesel)			3 UG/L	Detection Detection
H1-HYD1396A	Hydrant 1396	10/10/2023 H1-DL-0017754-23147-A	Petroleum Hydrocarbons (as Diesel)			8 UG/L 1 UG/L	Detection
F2-HYD003A	FH 3A	10/12/2023 F2-DL-0017773-23155-N	Petroleum Hydrocarbons (as Diesel)			6 UG/L	Detection
B1-HONU1185	1185 Honu Loop	10/12/2023 B1-TW-0010505-23147-3-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)			1 UG/L	Detection
E1-HYD1216	FH 1216	10/12/2023 E1-DL-0017799-23152-N	Petroleum Hydrocarbons (as Diesel)			5 UG/L	Detection
E1-HYD1216	FH 1216	10/12/2023 E1-DL-0017799-23152-3-N 10/12/2023 F2-DL-0017774-23155-N	Petroleum Hydrocarbons (as Diesel)			7 UG/L	Detection
F2-HYD0213	FH 213 (Possibly F2-HYD002	10/12/2023 F2-DL-0017751-23155-N	Petroleum Hydrocarbons (as Diesel)	2		8 UG/L	Detection
	F11 74 A						
F2-HYD071A E1-HYD2250	FH 71A FH 2250	10/12/2023 F2-0C-0017/51-25155-14 10/12/2023 E1-DL-0017800-23152-N	Petroleum Hydrocarbons (as Diesel) Petroleum Hydrocarbons (as Diesel)			.9 UG/L .4 UG/L	Detection Detection

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Susan Pcola-Davis Testimony 2023 October\_November raw - Sheet1 (2)

B1-MCGR0450 450 McGrew Loop 10/12/2023 B1-TW-0009369-23147-N Petroleum Hydrocarbons (as Diesel) 200 68.4 UG/L F2-HYD0520 FH 520 (Possibly F2-HYD001 10/12/2023 F2-DL-0017775-23155-N Petroleum Hydrocarbons (as Diesel) 200 77.1 UG/L F2-HYD0039 FH 39 10/12/2023 F2-DL-0017749-23155-3-N Petroleum Hydrocarbons (as Diesel) 200 60.1 UG/L F2-HYD0039 FH 39 10/12/2023 F2-DL-0017749-23155-N Petroleum Hydrocarbons (as Diesel) 200 54.2 UG/L F2-HYD0047 FH 47 10/12/2023 F2-DL-0017750-23155-N Petroleum Hydrocarbons (as Diesel) 200 63.7 UG/L Petroleum Hydrocarbons (as Diesel) D1-HUTT0923 923 Huttenberg Court 10/13/2023 D1-TW-0000815-23145-N 200 63.8 UG/L D1-HUTT0923 923 Huttenberg Court 10/13/2023 D1-TW-0000815-23145-3-N Petroleum Hydrocarbons (as Diesel) 200 59.6 UG/L D1-HYD771 FH ID: 771 10/13/2023 D1-DL-0017562-23145-N Petroleum Hydrocarbons (as Diesel) 200 82.8 UG/L H3-BLAC1805 1805 Blackthorn Loop 10/13/2023 H3-TW-0013888-23155-A Petroleum Hydrocarbons (as Diesel) 200 81.9 UG/L D1-KAUF1513 1513 Kaufman Court 10/13/2023 D1-TW-0000947-23145-N Petroleum Hydrocarbons (as Diesel) 200 61.4 UG/L F1-PHAR4310 4310 Pharris Place 10/13/2023 F1-TW-0009048-23155-N Petroleum Hydrocarbons (as Diesel) 200 52.2 UG/L H3-VALL0559 559 Valley View Loop 10/13/2023 H3-TW-0013860-23155-A Petroleum Hydrocarbons (as Diesel) 200 80.7 UG/L D2-HYD420 FH:420 10/16/2023 D2-DL-0017707-23157-N Petroleum Hydrocarbons (as Diesel) 200 79 UG/L D3-HYD2080 FH ID: 473 10/16/2023 D3-DL-0000547-23162-N Petroleum Hydrocarbons (as Diesel) 200 77.7 UG/L D2-2ND0132 132 2nd Street 10/16/2023 D2-TW-0006956-23157-3-N Petroleum Hydrocarbons (as Diesel) 200 96.7 UG/L D3-HYD0411 FH 411 10/16/2023 D3-DL-0017731-23162-N Petroleum Hydrocarbons (as Diesel) 200 87.2 UG/L H1-CENT2251 2251 Center Street 10/16/2023 H1-TW-0012739-23147-A Petroleum Hydrocarbons (as Diesel) 200 82.8 UG/L D3-MELI0228 228 Melia Street 10/16/2023 D3-TW-0011273-23162-3-N Petroleum Hydrocarbons (as Diesel) 200 81.7 UG/L D2-3RD0208 208 3rd Street 10/16/2023 D2-TW-0007012-23157-N Petroleum Hydrocarbons (as Diesel) 200 85.9 UG/L D2-PORT1706 1706 Porter Avenue 10/16/2023 D2-TW-0008433-23157-N Petroleum Hydrocarbons (as Diesel) 200 78.8 UG/L A1-HYD55B Hydrant 558 10/17/2023 A1-DL-0016025-23139-N Petroleum Hydrocarbons (as Diesel) 200 71.5 UG/L A1-HYD2254 FH ID: SA-AFH 7 10/17/2023 A1-DL-0000510-23139-N Petroleum Hydrocarbons (as Diesel) 200 82 UG/L A1-LOWE1108 1108 Lowella Avenue 10/17/2023 A1-TW-0001319-23139-N Petroleum Hydrocarbons (as Diesel) 200 82.8 UG/L A1-LOWE1108 1108 Lowella Avenue 10/17/2023 A1-TW-0001319-23139-3-N Petroleum Hydrocarbons (as Diesel) 200 52.1 UG/L A3-10656686A 6686A 106th Street 10/17/2023 A3-TW-0016919-23157-N Petroleum Hydrocarbons (as Diesel) 200 85.8 UG/L A1-AUST0185 185 Austin Court 10/17/2023 A1-TW-0001596-23139-N Petroleum Hydrocarbons (as Diesel) 200 97.7 UG/L 6470 102nd Street 10/17/2023 A3-TW-0016095-23157-N Petroleum Hydrocarbons (as Diesel) A3-10256470 200 70.9 UG/L A3-ERNE5773 10/17/2023 A3-TW-0017012-23157-N 5773 Erne Avenue Petroleum Hydrocarbons (as Diesel) 200 91 UG/L A1-ALOH1600 1600 Aloha Avenue 10/17/2023 A1-TW-0001561-23139-N Petroleum Hydrocarbons (as Diesel) 200 101 UG/L A1-ALOH1600 1600 Aloha Avenue 10/17/2023 A1-TW-0001561-23139-3-N Petroleum Hydrocarbons (as Diesel) 200 96.8 UG/L FH ID: FH 503 C1-HYD1765 10/18/2023 C1-DL-0000526-23162-3-N Petroleum Hydrocarbons (as Diesel) 200 89.9 UG/L C1-HYD1765 FH ID: FH 503 10/18/2023 C1-DL-0000526-23162-N Petroleum Hydrocarbons (as Diesel) 200 67.4 UG/L D2-BLDG559H Building 559H 10/18/2023 D2-TW-0015476-23157-N Petroleum Hydrocarbons (as Diesel) 200 98.8 UG/L C3-BLDG0011 **Building 11** 10/18/2023 C3-TW-0015037-23162-N-T Petroleum Hydrocarbons (as Diesel) 200 88.2 UG/L C1-HYD354 FHID: 479 10/18/2023 C1-DL-0017791-23162-N Petroleum Hydrocarbons (as Diesel) 200 98.1 UG/L C3-HYD2298 C2-FH177 10/18/2023 C3-DL-0017798-23162-N Petroleum Hydrocarbons (as Diesel) 200 89.1 UG/L C1-HYD444 FHID: 413 10/18/2023 C1-DL-0017788-23162-N Petroleum Hydrocarbons (as Diesel) 200 86.3 UG/L 10/18/2023 C2-DL-0017796-23162-N C2-HYD421 C2-FH246 Petroleum Hydrocarbons (as Diesel) 200 91.3 UG/L 246 Melia Street 10/18/2023 D3-TW-0011287-23162-N D3-MELI0246 Petroleum Hydrocarbons (as Diesel) 200 51 UG/L C2-FH246 10/18/2023 C2-DL-0017796-23162-3-N C2-HYD421 Petroleum Hydrocarbons (as Diesel) 200 85.7 UG/L C2-HYD660 Hydrant 303 10/18/2023 C2-DL-0017797-23162-N Petroleum Hydrocarbons (as Diesel) 200 89.4 UG/L 10/18/2023 C1-TW-0014730-23162-N C1-8LDG1407 **Building 1407** Petroleum Hydrocarbons (as Diesel) 200 70.1 UG/L A2-HYD214 FH 214 10/19/2023 A2-DL-0017662-23145-N Petroleum Hydrocarbons (as Diesel) 200 63.5 UG/L A2-HYD7-13 FH 7-13 10/19/2023 A2-DL-0017655-23145-N Petroleum Hydrocarbons (as Diesel) 200 50.9 UG/L A3-EEHA4858B 4858B East Eha Way 10/19/2023 A3-TW-0017354-23157-N Petroleum Hydrocarbons (as Diesel) 200 91.6 UG/L A2-HYD7-4 FH 7-4 10/19/2023 A2-DL-0017658-23145-N Petroleum Hydrocarbons (as Diesel) 200 81.4 UG/L A2-HYD543 FH ID: 3-1 10/19/2023 A2-DL-0000507-23145-N Petroleum Hydrocarbons (as Diesel) 200 63.6 UG/L A3-IROQ5238 5238 Iroquois Avenue 10/19/2023 A3-TW-0016271-23157-N Petroleum Hydrocarbons (as Diesel) 200 59.7 UG/L A2-KAME4755 4755 Kamehameha Loop 10/19/2023 A2-TW-0001857-23145-N Petroleum Hydrocarbons (as Diesel) 200 62.8 UG/L 10/19/2023 A2-DL-0017657-23145-N Petroleum Hydrocarbons (as Diesel) FH 84 200 56.8 UG/L A2-HYD84 Petroleum Hydrocarbons (as Diesel) 58.9 UG/L A2-HYDZ-16 FH Z-16 10/19/2023 A2-DL-0017656-23145-N 200 D3-OHAN0731 731 Ohana Nui Circle 10/20/2023 D3-TW-0009464-23162-N Petroleum Hydrocarbons (as Diesel) 200 56 UG/L A3-WELU4772A 4772A West Elua Way 10/20/2023 A3-TW-0016821-23157-N Petroleum Hydrocarbons (as Diesel) 200 57.7 UG/L 10/20/2023 A3-TW-0016821-23157-3-N A3-WELU4772A 4772A West Elua Way Petroleum Hydrocarbons (as Diesel) 200 54.5 UG/L A3-FULM5834A 5834A Fulmar Avenue 10/20/2023 A3-TW-0016372-23157-N Petroleum Hydrocarbons (as Diesel) 200 50.1 UG/L 10/20/2023 D2-TW-0008053-23157-N Petroleum Hydrocarbons (as Diesel) 200 50.2 UG/L D2-JULI0015 15 Julian Avenue A3-IROQ5007A 5007A Iroquois Avenue 10/20/2023 A3-TW-0016622-23157-N Petroleum Hydrocarbons (as Diese!) 200 65.3 UG/L 10/20/2023 A1-TW-0001237-23139-N Petroleum Hydrocarbons (as Diesel) 200 71.2 UG/L A1-ETCE0269 269 Etcell Court 200 A3-IROQ5075B 5075B Iroquois Avenue 10/20/2023 A3-TW-0017222-23157-N Petroleum Hydrocarbons (as Diesel) 63.4 UG/L 200 10/20/2023 A3-TW-0017227-23157-N 52.4 UG/L A3-IROO5089A 5089A Iroquois Avenue Petroleum Hydrocarbons (as Diesel) D3-BLDG1335H School Age Center, Building 10/23/2023 D3-TW-0015141-23162-N-1 Petroleum Hydrocarbons (as Diesel) 200 64.4 UG/L 03-BLDG1335H School Age Center, Building 10/23/2023 D3-TW-0015141-23162-N-2 Petroleum Hydrocarbons (as Diesel) 200 53.4 UG/L D3-OHAN0528 528 Ohana Nui Circle 10/23/2023 D3-TW-0010297-23162-N Petroleum Hydrocarbons (as Diesel) 200 51.1 UG/L Hickam West CDC, Building 10/23/2023 D3-TW-0015153-23162-N-1 Petroleum Hydrocarbons (as Diesel) 200 51.1 UG/L D3-BLDG1654H 10/23/2023 D3-TW-0017507-23162-N-2 200 60.2 UG/L D3-BLDG0520 Chester Nimitz Elementary, Petroleum Hydrocarbons (as Diesel) Chester Nimitz Elementary, 10/23/2023 D3-TW-0017507-23162-N-5 Petroleum Hydrocarbons (as Diesel) 200 51.1 UG/L D3-BLDG0520 56.1 UG/L 10/23/2023 D3-TW-0015212-23162-N 200 D3-BLDG2192H **Building 2192H** Petroleum Hydrocarbons (as Diesel) Chester Nimitz Elementary, 10/23/2023 D3-TW-0017507-23162-N-3 Petroleum Hydrocarbons (as Diesel) 200 65.2 UG/L D3-BLDG0520 Chester Nimitz Elementary, 200 D3-BLDG0520 10/23/2023 D3-TW-0017507-23162-N-4 Petroleum Hydrocarbons (as Diesel) 52.6 UG/L D3-OHAN0145 145 Ohana Nui Circle 10/23/2023 D3-TW-0010204-23162-3-N Petroleum Hydrocarbons (as Diesel) 200 51.7 UG/L D3-OHAN0125 125 Ohana Nui Circle 10/23/2023 D3-TW-0010194-23162-3-N Petroleum Hydrocarbons (as Diesel) 200 55.7 UG/L 10/23/2023 D3-TW-0010240-23162-N Petroleum Hydrocarbons (as Diesel) 200 52.8 UG/L D3-OHAN0321 321 Ohana Nui Circle Petroleum Hydrocarbons (as Diesel) D3-BLDG2104H **Building 2104H** 10/23/2023 D3-TW-0015192-23162-N 200 53.6 UG/L D3-OHAN0137 137 Ohana Nui Circle 10/23/2023 D3-TW-0010201-23162-N Petroleum Hydrocarbons (as Diesel) 200 93.9 UG/L 200 77.7 UG/L D3-PILO0162 162 Pilokea Lane 10/24/2023 D3-TW-0010338-23162-N Petroleum Hydrocarbons (as Diesel) 200 832 Ohana Nui Circle 10/24/2023 D3-TW-0009525-23162-N Petroleum Hydrocarbons (as Diesel) 76.5 UG/L D3-OHAN0832 10/24/2023 D3-DL-0017729-23162-N Petroleum Hydrocarbons (as Diesel) 200 63 UG/L D3-HYD0188 FH 188 214 Ohana Nui Circle 10/24/2023 D3-TW-0010227-23162-N Petroleum Hydrocarbons (as Diesel) 200 64.4 UG/L D3-OHAN0214

Detection

Susan Pcola-Davis Testimony 2023 October\_November raw - Sheet1 (2)

		10/24/2023 D3-DL-0017735-23162-N	Petroleum Hydrocarbons (as Diesel)	200	72.9 UG/L	Detection
D3-HYD0213	FH 213		Petroleum Hydrocarbons (as Diesel)	200	86.3 UG/L	Detection
D3-HYD0219	FH 219	10/24/2023 D3-DL-0017733-23162-N	Petroleum Hydrocarbons (as Diesel)	200	84.6 UG/L	Detection
D3-HYD0222	FH 222	10/24/2023 D3-DL-0017730-23162-N	Petroleum Hydrocarbons (as Diesel)	200	63.7 UG/L	Detection
D3-OKIK0306	306 Okika Street	10/24/2023 D3-TW-0009572-23162-N	Petroleum Hydrocarbons (as Diesel)	200	70.2 UG/L	Detection
D3-KOKO0132	132 Kokomalei Street	10/24/2023 D3-TW-0009788-23162-N		200	68.3 UG/L	Detection
D3-HYD0222	FH 222		Petroleum Hydrocarbons (as Diesel)	200	56.7 UG/L	Detection
D3-HYD0520	FH 520	10/24/2023 D3-DL-0017734-23162-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/24/2023 H1-TW-0013107-23147-A-R1	Petroleum Hydrocarbons (as Diesei)		75.9 UG/L	Detection
D3-OKIK0333	333 Okika Street	10/24/2023 D3-TW-0009581-23162-N	Petroleum Hydrocarbons (as Diesel)	200	-	
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		200	65.9 UG/L	Detection
81-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
	29218 Oliana Loop	10/25/2023 B1-TW-0017574-23147-N	Petroleum Hydrocarbons (as Diesel)	200	66.7 UG/L	Detection
B1-OLIA2921B	1 Makin Place	10/25/2023 E1-TW-0010722-23152-N	Petroleum Hydrocarbons (as Diesel)	200	92.6 UG/L	Detection
E1-MAK10001	6089A Heron Avenue	10/25/2023 A3-TW-0016252-23157-N	Petroleum Hydrocarbons (as Diesel)	200	69.4 UG/L	Detection
A3-HERO6089A	3309C Valdez Place	10/25/2023 D1-TW-0001202-23145-N	Petroleum Hydrocarbons (as Diesel)	200	69.3 UG/L	Detection
D1-CVAL3309		10/25/2023 D1-TW-0001202-23145-3-N	Petroleum Hydrocarbons (as Diesel)	200	78.4 UG/L	Detection
D1-CVAL3309	3309C Valdez Place	10/25/2023 A3-DL-0017762-23157-N	Petroleum Hydrocarbons (as Diesel)	200	84.4 UG/L	Detection
A3-HYD1743	A3-SA-JFH-44	10/25/2023 A3-DL-0017764-23157-N	Petroleum Hydrocarbons (as Diesel)	200	65.1 UG/L	Detection
A3-HYD663	SA-JFH-52	10/25/2023 A3-01-001/704-25137 H	Petroleum Hydrocarbons (as Diesel)	200	79.2 UG/L	Detection
D1-WTEA0800	800 West Teaff Court	10/25/2023 A3-DL-0017766-23157-N	Petroleum Hydrocarbons (as Diesel)	200	86.8 UG/L	Detection
A3-HYD809	SA-JFH-28	10/25/2023 AS-DL-0001/700-25137 4 10/25/2023 D1-TW-0000978-23145-N	Petroleum Hydrocarbons (as Diesel)	200	53.8 UG/L	Detection
D1-WAG01712	1712 Wagoner Court	10/25/2023 A3-DL-0017768-23157-N	Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
A3-HYD920	SA-JFH-7	10/25/2023 AS-DL-00017700 20107 N	Petroleum Hydrocarbons (as Diesel)	200	73.2 UG/L	Detection
D1-WAG01711	1711 Wagoner Court	10/25/2023 H1-TW-0013107-23147-A-3		200	59.4 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023 H1-TW-0013107-23147-A-R		200	60.9 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane			200	79.4 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023 H1-TW-0013107-23147-A-1		200	85.7 UG/L	Detection
H1-MAMA4577	4577 Mamane Lane	10/25/2023 H1-TW-0013107-23147-A-2	Petroleum Hydrocarbons (as Diesel)	200	51.6 UG/L	Detection
F1-TAYL3446	3446 Taylor Street	10/26/2023 F1-TW-0008552-23155-N	Petroleum Hydrocarbons (as Diesel)	200	54.8 UG/L	Detection
F1-TOMI3216	3216 Tomich Court	10/26/2023 F1-TW-0008640-23155-N	Petroleum Hydrocarbons (as Diesel)	200	90.1 UG/L	Detection
H1-AMA 3341	3341 Ama Drive	10/26/2023 H1-TW-0013191-23147-A	Petroleum Hydrocarbons (as Diesel)	200	55.3 UG/L	Detection
F1-HYD0609	FH ID: FH:609	10/26/2023 F1-DL-0017725-23155-N	Petroleum Hydrocarbons (as Diesel)	200	92.5 UG/L	Detection
F1-HYD028A	FH ID: FH:28A	10/26/2023 F1-DL-0017722-23155-N		200	79.7 UG/L	Detection
F1-HYD009A	FH ID: FH:9A	10/26/2023 F1-DL-0017719-23155-N	Petroleum Hydrocarbons (as Diesel)	200	92.5 UG/L	Detection
F1-HYD014A	FH ID: FH:14A	10/26/2023 F1-DL-0017720-23155-N	Petroleum Hydrocarbons (as Diesel)	200	91.1 UG/L	Detection
F1-HYD029A	FH ID: FH:29A	10/26/2023 F1-DL-0017723-23155-N	Petroleum Hydrocarbons (as Diesel)	200	62.8 UG/L	Detection
D1-KAUF1514	1514 Kaufman Court	10/26/2023 D1-TW-0000948-23145-N	Petroleum Hydrocarbons (as Diesel)	200	97.7 UG/L	Detection
F1-HYD2134	FH ID: FH-11A	10/26/2023 F1-DL-0000595-23155-N	Petroleum Hydrocarbons (as Diesel)	200	58.8 UG/L	Detection
F1-TAYL3452	3452 Taylor Street	10/26/2023 F1-TW-0008555-23155-N	Petroleum Hydrocarbons (as Diesel)	200	51.3 UG/L	Detection
F1-WARD5142	5142 Warden Court	10/26/2023 F1-TW-0008656-23155-N	Petroleum Hydrocarbons (as Diesel)	200	85.6 UG/L	Detection
F1-KIDD5009	5009 Kidd Street	10/27/2023 F1-TW-0008815-23155-N	Petroleum Hydrocarbons (as Diesel)	200	73.8 UG/L	Detection
F1-TAYL3448	3448 Taylor Street	10/27/2023 F1-TW-0008553-23155-N	Petroleum Hydrocarbons (as Diesel)		83.8 UG/L	Detection
11-CON11726	1726 Conifer Place	10/27/2023 11-TW-0014063-23130-A	Petroleum Hydrocarbons (as Diesel)	200	91.2 UG/L	Detection
G1-BLDG0500	Building 500	10/27/2023 G1-TW-0015397-23147-N	Petroleum Hydrocarbons (as Diesel)	200	-	
G1-BLDG0080	Building 80	10/27/2023 G1-TW-0017523-23147-N	Petroleum Hydrocarbons (as Diesel)	200	89.4 UG/L 60.8 UG/L	Detection Detection
F1-CAKO4523	4523 Cakon Place	10/27/2023 F1-TW-0009170-23155-N	Petroleum Hydrocarbons (as Diesel)	200	92.4 UG/L	Detection
11-COW51604	1604 Cowslip Lane	10/27/2023 11-TW-0014073-23130-A	Petroleum Hydrocarbons (as Diesel)	200		Detection
D2-FOXB1401	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
81-MCGR0837	837 McGrew Loop	11/2/2023 B1-TW-0009432-23147-N-R	1 Petroleum Hydrocarbons (as Diesel)	200	61.9 UG/L	Detection
D1-WICON0057						

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						Screening	Reported		T
ocation	Address	Sampling Date Client	Sample ID	Analyte Name		-	Reported Results	Units	Screening
A3-WEKA4742B	4742B West Ekahi Way	the second s	V-0016778-23157-N	Petroleum Hydrocarbons (as Die	sel)	200		UG/L	Detection
A3-104S6577A	6577A 104th Street	10/3/2023 A3-TV	V-0017389-23157-N	Petroleum Hydrocarbons (as Die	sel)	200		UG/L	Detection
A3-HERO6150	6150 Heron Avenue	10/4/2023 A3-TV	V-0016577-23157-N	Petroleum Hydrocarbons (as Die	sel)	200	65	UG/L	Detection
A3-IROQ5066A	5066A Iroquois Avenue		V-0017213-23157-N	Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
A3-HERO6079B	6079B Heron Avenue		V-0016247-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-IROQ5066A	5066A Iroquois Avenue		V-0017213-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-HERO6079B A3-HERO6161A	6079B Heron Avenue 6161A Heron Avenue		V-0016247-23157-N V-0016588-23157-N	Petroleum Hydrocarbons (as Die: Petroleum Hydrocarbons (as Die:		200 200		UG/L UG/L	Detection Detection
A3-HERO60878	60878 Heron Avenue		V-0016251-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-IROQ5133A	5133A Iroquois Avenue		V-0016085-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-HERO6143A	6143A Heron Avenue	10/4/2023 A3-TV	V-0016573-23157-N	Petroleum Hydrocarbons (as Die	sel)	200		UG/L	Detection
A3-104S6558B	6558B 104th Street	10/4/2023 A3-TV	V-0017376-23157-N	Petroleum Hydrocarbons (as Die	sel)	200	59.9	UG/L	Detection
A3-IROQ5066A	5066A Iroquois Avenue	10/4/2023 A3-TV	V-0017213-23157-N	Petroleum Hydrocarbons (as Die		200	88.4	UG/L	Detection
A3-HERO6079B	6079B Heron Avenue		V-0016247-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-HERO6161A	6161A Heron Avenue		V-0016588-23157-N	Petroleum Hydrocarbons (as Die		200 200		UG/L	Detection
A3-HERO6087B A3-IROQ5133A	6087B Heron Avenue 5133A Iroquois Avenue		V-0016251-23157-N V-0016085-23157-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die		200		UG/L UG/L	Detection Detection
A3-HERO6143A	6143A Heron Avenue		V-0016573-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-104S6558B	6558B 104th Street		V-0017376-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-11056810A	6810A 110th Street	10/5/2023 A3-TV	V-0017421-23157-N	Petroleum Hydrocarbons (as Die	sel)	200	55.6	UG/L	Detection
A3-WELU47748	4774B West Elua Way		V-0016830-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-IROQ5151	5151 Iroquois Avenue		V-0016280-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
A3-KELA4974C	4974C Kela Place		V-0016844-23157-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die		200 200		UG/L UG/L	Detection Detection
A3-EONO49388 F2-SAND0719	4938B Eono Way 719 Sanders Circle		V-0016884-23157-N V-0010868-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
D2-HYD321	FH:321		-0017709-23157-N	Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
D2-HYD365	FH:365		-0017717-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F2-HYD0003	FH 3	10/6/2023 F2-DL	-0017772-23155-N	Petroleum Hydrocarbons (as Die	sel)	200	95.2	UG/L	Detection
D2-HYD0498	FH:509	• •	-0017715-23157-N	Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
F2-HYD0011	FH 11	• •	-0017745-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
D2-HYD56	FH:056		-0017708-23157-N -0017776-23155-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die		200		UG/L UG/L	Detection Detection
F2-HYD0012 D2-HYD84	FH 12 (F2-HYD1338) FH:084		-0017713-23157-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
D2-HYD1610	FH:074		-0000583-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F2-HYD0014	FH 14		-0017746-23155-N	Petroleum Hydrocarbons (as Die		200	101	UG/L	Detection
D2-HYD236	FH:236 (Possibly HYD263, H	10/6/2023 D2-DL	-0017711-23157-N	Petroleum Hydrocarbons (as Die	sel)	200		UG/L	Detection
D2-HYD0079	FH:519		-0017714-23157-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F2-ARIZ2782	2782 Arizona Road		V-0010780-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F2-DRIS2991	2991 Driskell Drive		V-0011444-23155-N V-0009213-23155-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die	-	200 200		UG/L UG/L	Detection Detection
F1-FUQU5201 F2-BENF5423	5201 Fuqua Lane 5423 Benfold Lane		V-0011059-23155-N	Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
F2-FINC4116	4116 Fincher Street		V-0011469-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F1-TAYL3407	3407 Taylor Street	10/9/2023 F1-TV	V-0009150-23155-N	Petroleum Hydrocarbons (as Die	sel)	200	69.8	UG/L	Detection
F2-ANDE2968	2968 Anderson Avenue		V-0009602-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F1-TAYL3407	3407 Taylor Street		V-0009150-23155-3-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F2-STOW2739	2739 Stowell Circle		V-0009280-23155-N V-0009280-23155-3-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die		200 200		UG/L UG/L	Detection Detection
F2-STOW2739 F2-DEWE0569	2739 Stowell Circle 569 Dewert Court		V-0003280-23155-N	Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
F2-VAES3044	3044 Vaessen Court		V-0009336-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F1-MCM05406	5406 McMorris Drive	10/9/2023 F1-TV	V-0008836-23155-N	Petroleum Hydrocarbons (as Die	sel)	200	66.8	UG/L	Detection
F2-COLE4110	4110 Colegrove Street	10/9/2023 F2-TV	V-0011127-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F1-TAYL3418	3418 Taylor Street		V-0009161-23155-N	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
F2-GORD2736	2736 Gordon Street		V-0011594-23155-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die		200		UG/L UG/L	Detection Detection
H1-BOUG0255	255 Bougainvillea Loop		N-0013304-23147-A N-0013055-23147-A	Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
H1-KOU 4665 H1-KOBA4410	4665 Kou Lane 4410 Kobashigawa Street		N-0012998-23147-A	Petroleum Hydrocarbons (as Die	-	200		UG/L	Detection
H1-CROT4312	4312 Croton Street		N-0012810-23147-A	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
H1-BAMB3610	3610 Bamboo Lane	10/10/2023 H1-TV	N-0013238-23147-A	Petroleum Hydrocarbons (as Die	sel)	200	52.6	UG/L	Detection
H1-MACA5048	5048 Macadamia Lane		N-0013093-23147-A	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
H1-IXOR6613	6613 Ixora Lane		N-0012937-23147-A	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
H1-GUAV3827	3827 Guava Lane		N-0012859-23147-3-A	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die		200		UG/L UG/L	Detection Detection
H2-HYD1646A	Hydrant 1646 4609 Gardenia Lane		L-0000688-23155-A N-0012830-23147-A	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
H1-GARD4609 H2-HYD1646A	Hydrant 1646		L-0000688-23155-3-A	Petroleum Hydrocarbons (as Die		200		UG/L	Detection
	AMR Child & Youth Service:		N-0017683-23147-A-1	Petroleum Hydrocarbons (as Die	sel)	200	78.3	UG/L	Detection
H1-HYD1396A	Hydrant 1396	10/10/2023 H1-D	L-0017754-23147-A	Petroleum Hydrocarbons (as Die		200			Detection
F2-HYD003A	FH 3A		-0017773-23155-N	Petroleum Hydrocarbons (as Die		200			Detection
B1-HONU1185	1185 Honu Loop		N-0010505-23147-3-N						Detection
E1-HYD1216	FH 1216								Detection Detection
									Detection
				Petroleum Hydrocarbons (as Die		200			Detection
	FH 2250		-0017800-23152-N	Petroleum Hydrocarbons (as Die		200			Detection
B1-MCGR0365	365 McGrew Loop		N-0010515-23147-N	Petroleum Hydrocarbons (as Die	esel)	200	61.4	UG/L	Detection
H1-BLDG1782 H1-HYD1396A F2-HYD003A B1-HONU1185 E1-HYD1216 F2-HYD01216 F2-HYD0213 F2-HYD071A E1-HYD2250	AMR Child & Youth Service: Hydrant 1396 FH 3A 1185 Honu Loop FH 1216 FH 1216 FH 213 (Possibly F2-HYD00) FH 71A FH 2250	<ul> <li>10/10/2023 H1-TV</li> <li>10/10/2023 H1-DI</li> <li>10/12/2023 F2-DI</li> <li>10/12/2023 F1-DI</li> <li>10/12/2023 E1-DI</li> <li>10/12/2023 E1-DI</li> <li>10/12/2023 F2-DI</li> <li>10/12/2023 F2-DI</li> <li>10/12/2023 E1-DI</li> <li>10/12/2023 E1-DI</li> </ul>	N-0017683-23147-A-1 L-0017754-23147-A 0017773-23155-N N-0010505-23147-3-N 0017799-23152-N 0017799-23152-3-N 0017791-23155-N 0017751-23155-N 0017800-23152-N	Petroleum Hydrocarbons (as Die Petroleum Hydrocarbons (as Die	ssel) (ssel) (ssel) (ssel) (ssel) (ssel) (ssel) (ssel) (ssel) (ssel)	200 200 200 200 200 200 200 200 200 200	78. 60. 59. 69. 74. 58. 72. 55. 55. 56.	.9.1.6.1.5.7.8.9	3 UG/L 3 UG/L 4 UG/L 1 UG/L 5 UG/L 5 UG/L 7 UG/L 8 UG/L 9 UG/L 4 UG/L

Susan Pcola-Davis Testimony 2023 October\_November raw - Sheet1

ModESNE         650 McGreen (spr. 200)         Control         Contro         Contro         Control <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
minimized         minisplements         control         contro         control            contro          c	B1 MCCB0450	450 McGrew Loop	10/12/2023 B1-TW-0009369-23147-N	Petroleum Hydrocarbons (as Diesel)	200	68.4 UG/L	Detection
Partmoords         In 3         part 2000         Partmoords         Partmoords <td></td> <td></td> <td></td> <td>Petroleum Hydrocarbons (as Diesel)</td> <td>200</td> <td></td> <td></td>				Petroleum Hydrocarbons (as Diesel)	200		
Herborn         Prevolum Hydrochtoris (a Deel)         200         E.9.4         UNIC           CHATDDAT         Prevolum Hydrochtoris (a Deel)         200         E.9.4         UNIC         Exact Control				Petroleum Hydrocarbons (as Diesel)	200	60.1 UG/L	Detection
N+100007         H+1         107/1023         F20-Cut (77)-5115-34         Perolam Hydeochools (a) Delet)         200         63.7         URL         Deletion           D-HUTT023         231 Hitcherg Cort         10/1/2023         D1/1/00000         21.4         D1/1/00000         21.4         D1/1/00000         D1/1/000000         D1/1/0000000         D1/1/0000000         D1/1/1/0000000         D1/1/1/0000000         D1/1/1/00000000         D1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/				Petroleum Hydrocarbons (as Diesel)	200		Detection
Distriction         293 Interliefer Court         10/1/2023         Distriction         201         Bate Court         201         Bate Court         201         Bate Court         201         Court				Petroleum Hydrocarbons (as Diesel)	200		
Dis-Horozzi         Pasi Anterbarg Court         Horiz NUL WARD         Perdoam Hydrocabors (a) Desking         Dots         E23 000         Perdoam Hydrocabors (a) Desking           H=BLACEDS         BIOS Backharn Lop         H/1/X203 DF/WO023483135A         Perdoam Hydrocabors (a) Desking         Dot         E23 000         Desking           H=BLACEDS         BIOS Backharn Lop         H/1/X203 DF/WO023483135A         Perdoam Hydrocabors (a) Desking         Dot         E23 000         Dit         Dit </td <td></td> <td></td> <td></td> <td>Petroleum Hydrocarbons (as Diesel)</td> <td>200</td> <td>63.8 UG/L</td> <td>Detection</td>				Petroleum Hydrocarbons (as Diesel)	200	63.8 UG/L	Detection
bit         bit<         bit<         bit<         bit<				Petroleum Hydrocarbons (as Diesel)	200	59.6 UG/L	Detection
Sea ALL         185 Balantino Comp         12/12/203 Horv 000000000000000000000000000000000000		-		Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
Subscription         1313 Langemen Court				Petroleum Hydrocarbons (as Diesel)	200	81.9 UG/L	Detection
Part Processor         100 Partiri Pace         101/2023         1-1/W Coll         S2.1 (M/k)         Detection           D2-M0230         H1520         101/2023         101/2023         Part Coll         200         80.7 (M/k)         Detection           D2-M0230         H1520         101/2023         204/2023         Part Coll         70.4 (M/k)         Detection           D2-M0230         H1520         101/2023         204				Petroleum Hydrocarbons (as Diesel)	200	61.4 UG/L	Detection
Say Lassy Veeu Loop         12/12/023 In STW 0028023155.         Perchame Hydrocarbons (a Diesel)         200         77 U.G/L         Detection Detection           Datarosase         H1 (b. 73         12/4/2013 Die 4-00002733134.14         Perchame Hydrocarbons (a Diesel)         00         77 U.G/L         Detection           Datarosase         H1 (b. 73         12/4/2013 Die 4-00002733134.14         Perchame Hydrocarbons (a Diesel)         00         77 U.G/L         Detection           Datarosase         10/4/2013 Die 4-00002733134.14         Perchame Hydrocarbons (a Diesel)         00         82.8 U/GL         Detection           Datarosase         10/4/2013 Die 4-00001231315.14         Perchame Hydrocarbons (a Diesel)         00         82.8 U/GL         Detection           Datarosase         10/4/2013 Die 4-00001231313.14         Perchame Hydrocarbons (a Diesel)         00         82.8 U/GL         Detection           Datarosase         10/4/2013 Die 4-00001231313.14         Perchame Hydrocarbons (a Diesel)         00         82.8 U/GL         Detection           Datarosase         10/1/2013 Die 4-00001231313.14         Perchame Hydrocarbons (a Diesel)         00         82.8 U/GL         Detection           Datarosase         10/1/2013 Die 4-00001231313.14         Perchame Hydrocarbons (a Diesel)         00         82.8 U/GL         Detection				Petroleum Hydrocarbons (as Diesel)	200	52.2 UG/L	Detection
Sectors         11-03         12/4/203         0.2-0.0017733157         Pertodeum Hydrocarbons (a Disett)         200         77.04/G         Detection           0.3-00000         112 and fares         20/4/2003         0.2-0.0017733157.44         Pertodeum Hydrocarbons (a Disett)         00         77.04/G         Detection           0.3-00013         112 and fares         10/4/203         0.2-0.0017733157.44         Pertodeum Hydrocarbons (a Disett)         00         87.04/G         Detection           0.3-00013         103 fard Sizet         10/4/2033         0.1-0.001773317.44         Pertodeum Hydrocarbons (a Disett)         00         87.10/G         Detection           0.3-00003         1006 faret         10/4/2033         0.1-0.00123313144         Pertodeum Hydrocarbons (a Disett)         00         73.8.0/G         Detection           0.3-00003         1005 faret Areura         10/1/2003         0.1-0.00123313144         Pertodeum Hydrocarbons (a Disett)         00         73.8.0/G         Detection           0.3-10003         1001 faret         10/1/2003         0.1-0.00124         Pertodeum Hydrocarbons (a Disett)         00         73.8.0/G         Detection           0.3-10003         10/1/2003         10/1/2003         10/1/2003         Pertodeum Hydrocarbons (a Disett)         00         73.8.0/G				Petroleum Hydrocarbons (as Diesel)	200	80.7 UG/L	Detection
International         International         Environment				Petroleum Hydrocarbons (as Diesel)	200	79 UG/L	Detection
32         132         202 Sect.         132         202 Sect.         957         U(A)         Detection           0-30-H700411         1411         101/4022 IS-0.0077313/13424-A         Pertolem Hydrocathon (a Diesel)         200         22.3         10.0         Detection           0-4400012         123 Ed Mils Strett         101/4022 IS-0.0077313/13424-A         Pertolem Hydrocathon (a Diesel)         200         12.3         U(A)         Detection           0-4400023         223 Mils Strett         101/4022 IS-0.007730/13424-A         Pertolem Hydrocathon (a Diesel)         200         72.8         U(A)         Detection           0-4400023         101/4022 IS-0.0070044434343-34         Pertolem Hydrocathon (a Diesel)         200         72.8         U(A)         Detection           0-4100034         1101 Lovella Arema         101/7202 A 1-0.000323-34319-34         Pertolem Hydrocathon (a Diesel)         200         82.1         U(A)         Detection           0-41000156         1001 Lovella Arema         101/7202 A 1-0.000323-3317-44         Pertolem Hydrocathon (a Diesel)         200         92.1         U(A)         Detection           1-4.0001560         1050 Aloba Arema         101/7202 A 1-0.000323-3317-44         Pertolem Hydrocathon (a Diesel)         200         10.0         U(A)         Detection				Petroleum Hydrocarbons (as Diesel)	200	77.7 UG/L	Detection
Displand         Product Network         Product Network </td <td></td> <td></td> <td></td> <td>Petroleum Hydrocarbons (as Diesel)</td> <td>200</td> <td>96.7 UG/L</td> <td>Detection</td>				Petroleum Hydrocarbons (as Diesel)	200	96.7 UG/L	Detection
List control         Display			+-,,	Petroleum Hydrocarbons (as Diesel)	200	87.2 UG/L	Detection
Bit Autoritization         213 Multi Street         Did (2003 0.51 molecular)         213 Multi Street         Did (2003 0.51 molecular)         Did (2003 0.51 molecular) </td <td></td> <td></td> <td></td> <td></td> <td>200</td> <td>82.8 UG/L</td> <td>Detection</td>					200	82.8 UG/L	Detection
Docume         Description         Betrolement hydrocations (as Deset)         200         85.9         U///         Detection           2-200717.06         Trior Forter Arrento         10////2022         D1/// 002013         Difference         200         7.8         U/// 0020         7.8         U/// 0020         Difference         200         7.8         U/// 0020         U/// 0020         7.8         U/// 10200         Dif// 00200         7.8         U/// 10200         Dif// 00200         T/// 00200         Dif// 00200         T/// 00200         Dif// 00200         Dif// 002000         Dif// 00					200	81.7 UG/L	Detection
Jong Accounce, Diff.         JONE France, Research Diff. 2022 D.D.*MOROSCHUM         Petroleum Hydrocotoms (as Bees)         200         7.12         User, J.D.           AL-HYDSS         HUD, SA,AFT 7         JU/J. 7/2022 A.L.*U.CODDSD-313194         Petroleum Hydrocotoms (as Bees)         200         8.2         User, J.D.           AL-HYDSS         HUD, SA,AFT 7         JU/J. 7/2022 A.L.*U.CODD3D-313194         Petroleum Hydrocotoms (as Bees)         200         8.2         User, J.D.           AL-OWELIDS         Lide Lowells Arenue         JU/J.7/2022 A.L.*U.VODD3D-313194         Petroleum Hydrocotoms (as Dees)         200         8.3         User, J.D.           AL-OWELIDS         Lide Avenue         JU/J.7/2022 A.L.*U.VODD3D-313194         Petroleum Hydrocotoms (as Dees)         200         7.7         User, J.D.         Detection           AL-ADHISOD         1000 Aloba Avenue         JU/J.7/2022 A.L.*U.VODD3D-313194         Petroleum Hydrocotoms (as Dees)         200         JU/J.         Detection           AL-ADHISOD         1000 Aloba Avenue         JU/J.//2022 A.L.*U.VODD3D-313194         Petroleum Hydrocotoms (as Dees)         200         S.S. UUD, UD/L         Detection           C3-HYDDJS         Petroleum Hydrocotoms (as Dees)         200         S.S. UUD, UD/L         Detection           C3-HYDDJS         JU/J./WODDS A.L.WODDS-21312374        Pe				Petroleum Hydrocarbons (as Diesel)	200	85.9 UG/L	Detection
A. +107536         Mydmit 558         10/17/2023 ALI-0.000307.3138-M         Petroleum Hydrochons (as Blees)         200         71.5 Ud/L         Detection           A1-107234         HID SAART         10/17/2023 ALI-0.000307.3138-M         Petroleum Hydrochons (as Blees)         200         B2 Ud/L         Detection           A1-007214         HID SAART         10/17/2023 ALI-0.000307.3138-M         Petroleum Hydrochons (as Blees)         200         87.3 Ud/L         Detection           A3-105568666         E6666.1005 Breet         10/17/2023 ALI-10-000317.3137-M         Petroleum Hydrochons (as Disee)         200         97.3 Ud/L         Detection           A3-105568666         E6666.1005 Breet         10/17/2023 ALI-10-000325.3137-M         Petroleum Hydrochons (as Disee)         200         97.3 Ud/L         Detection           A3-10254707         6470 Du/L         10/17/2023 ALI-10-000325.41338-M         Petroleum Hydrochons (as Disee)         200         95.3 Ud/L         Detection           A1-A001705         HID PH 500         10/17/2023 ALI-10-000325.41328-M         Petroleum Hydrochons (as Disee)         200         95.3 Ud/L         Detection           C1-M0726         HID PH 500         10/17/2023 ALI-10-000327.3128-AH         Petroleum Hydrochons (as Disee)         200         95.3 Ud/L         Detection         95.3 Ud/L         Detection <td></td> <td></td> <td></td> <td></td> <td>200</td> <td>78.8 UG/L</td> <td>Detection</td>					200	78.8 UG/L	Detection
Adv. 10203         Photo Audits 7         10/17/2023         ALT-0000510-3139-M         Petroleum Hydrocohons (as Diesel)         200         82.10/4/L         Detection           ALLOWELIDS         1106 Lowells Aronue         10/17/2023         ALT-0000113533139-A         Petroleum Hydrocohons (as Diesel)         200         52.1         10/1         Detection           ALLOWELIDS         1106 Lowells Aronue         10/17/2023         ALT-00001153         Petroleum Hydrocohons (as Diesel)         200         73.7         U/G/L         Detection           ALLOWELIDS         106 Lowells Aronue         10/17/2023         ALT-00001353139-M         Petroleum Hydrocohons (as Diseel)         200         73.7         U/G/L         Detection           ALLONETIDS         106 Aronue         10/17/2023         ALT-00001354         Petroleum Hydrocohons (as Diseel)         200         73.0         U/G/L         Detection           ALLONETIDS         1000 Aroba Aronue         10/17/2023         ALT-00001344         Petroleum Hydrocohons (as Disee)         200         67.3         U/G/L         Detection           ALLONETIDS         10/17/2023         ALT-0000134         Petroleum Hydrocohons (as Disee)         200         73.0         U/G/L         Detection           ALLONETIDS         10/17/2023         ALT-000134				Petroleum Hydrocarbons (as Diesel)	200	71.5 UG/L	Detection
A1_COVELTOR         1103 Lowells Avenue         10/17/2023 A1-W-000139-33139-34         Perfolum Hydrocarbons (a Diesel)         200         B2.8 UG/L         Detection           A1_COVELTOR         L00 Lowells Avenue         10/17/2023 A1-W-00189-33139-34         Perfolum Hydrocarbons (a Diesel)         200         P2.1 UG/L         Detection           A1_COVELTOR         ESA Justin Covert         10/17/203 A1-W-00189-31139-M         Perfolum Hydrocarbons (a Diesel)         200         7.9 UG/L         Detection           A1_COVELTOR         ESA Justin Covert         10/17/203 A1-W-00189-31139-M         Perfolum Hydrocarbons (a Diesel)         200         7.9 UG/L         Detection           A1_ACH100         1000 Alpha Avenue         10/17/203 A1-W-001861-33139-M         Perfolum Hydrocarbons (a Diesel)         200         P5.8 UG/L         Detection           A1_ACH100         1000 Alpha Avenue         10/17/203 C1-W-00187-33124-M         Perfolum Hydrocarbons (a Diesel)         200         P5.8 UG/L         Detection           C1-HY01375         HUL (F1 S0 S)         10/18/203 C1-W-00187-33124-M         Perfolum Hydrocarbons (a Diesel)         200         P5.8 UG/L         Detection           C2-HY0236         C2-HY0137         10/18/203 C1-W-00187-33124-M         Perfolum Hydrocarbons (a Diesel)         200         P5.1 UG/L         Detection           C2-					200	82 UG/L	Detection
ALL         Ling         Ling <thling< th=""> <thling< th=""> <thling< th="">         Lin</thling<></thling<></thling<>				Petroleum Hydrocarbons (as Diesel)	200	82.8 UG/L	Detection
Aussignment         Ensure for the second secon				Petroleum Hydrocarbons (as Diesel)	200		
Autorolas         185 Autor. Court         10/17/2023 A17-Wo00589-33157.         Perclear hydrocations (a Diesel)         200         97.7 UGL         Delection           A J0305470         5775 Erre Avenue         10/17/2023 A17-Wo0058-33157.         Perclear hydrocations (a Diesel)         200         31. UGL         Delection           A 4001500         1600 Aloba Avenue         10/17/2023 A17-Wo00553.3339.         Perclear hydrocations (a Diesel)         200         93. UGL         Delection           A 4.1011500         1600 Aloba Avenue         10/17/2023 A17-Wo00554.3339.4         Perclear hydrocations (a Diesel)         200         95. UGL         Delection           C1-W07365         FH10: FH 503         10/18/2023 C1-W0015077.3182.4         Perclearn hydrocations (a Diesel)         200         95. UGL         Delection           C2-H00238         C2-H117         10/18/2023 C1-W001507.3182.4         Perclearn hydrocations (a Diesel)         200         85. UGL         Delection           C2-H10248         C2-H117         10/18/2023 C1-W001577.3182.4         Perclearn hydrocations (a Diesel)         200         85. UGL         Delection           C2-H10241         C2-H1246         10/18/2023 C1-W001577.3182.4         Perclearn hydrocations (a Diesel)         200         85. UGL         Delection         95. UGL         Delection         Delection					200	85.8 UG/L	Detection
AS-10256470         EXPO 120/a Sireet         10/17/2023 A-TW-000505-23137-M         Petroleum Hydrocarbon (a Diesel)         200         70.9 UG/L         Detection           AS-2005773         Find A-Markenue         10/17/2023 A-TW-000516-33139-M         Petroleum Hydrocarbon (a Diesel)         200         9.1 UG/L         Detection           A-MACH1600         1500 Albia Avenue         10/17/2023 A-TW-000516-33139-M         Petroleum Hydrocarbon (a Diesel)         200         9.8 UG/L         Detection           C1-MY01765         PH ID: FH 303         10/18/2023 C-L0.000052-31162-M         Petroleum Hydrocarbon (a Diesel)         200         9.8 UG/L         Detection           O2 8UD5559H         Building 110         10/18/2023 C-L0.000052-31162-M         Petroleum Hydrocarbon (a Diesel)         200         9.8 L UG/L         Detection           C1-HY07534         FH ID: FH 30         10/18/2023 C-L0.001778-31324-M         Petroleum Hydrocarbon (a Diesel)         200         9.8 L UG/L         Detection           C1-HY07544         FHID: FH 30         10/18/2023 C-L0.001778-31324-M         Petroleum Hydrocarbon (a Diesel)         200         9.8 L UG/L         Detection           C3-HY0724         H F1 24         10/18/2023 C-L0.001779-31324-M         Petroleum Hydrocarbon (a Diesel)         200         9.8 L UG/L         Detetction           C3-HY0724 <td></td> <td></td> <td></td> <td>Petroleum Hydrocarbons (as Diesel)</td> <td>200</td> <td>97.7 UG/L</td> <td>Detection</td>				Petroleum Hydrocarbons (as Diesel)	200	97.7 UG/L	Detection
12.525979         1272 ins Avenue         10/17/2023 A-TW c007102-3157-W         Petroleum Hydrocarbon (a Diesel)         200         10 L0/L         Detection           A1ALDH1500         1500 Aldia Avenue         10/17/2023 A-TW c00515-31338-4         Petroleum Hydrocarbon (a Diesel)         200         19.8.0/L         Detection           A1ALDH1500         1500 Aldia Avenue         10/17/2023 A-TW c00557-3152-4         Petroleum Hydrocarbon (a Diesel)         200         89.8.0/L         Detection           C14V07365         PH ID: FH 005         10/18/2023 C-L-0.000576-3152-4         Petroleum Hydrocarbon (a Diesel)         200         88.8.10/L         Detection           C34L05091L         Building S11         10/18/2023 C-L-0.0015778-3152-H         Petroleum Hydrocarbon (a Diesel)         200         88.3.10/L         Detection           C34V0228         C2-H117         10/18/2023 C-L-0.01778-2132-H         Petroleum Hydrocarbon (a Diesel)         200         88.3.10/L         Detection           C34V0228         10/18/2023 C-L-0.01778-2132-H         Petroleum Hydrocarbon (a Diesel)         200         85.3.0/L         Detection           C34V0228         10/18/2023 C-L-0.01778-2132-H         Petroleum Hydrocarbon (a Diesel)         200         51.0/L         Detection           C34V0284         246 Mails Stret         10/18/2023 C-L-0.00778-2134-H				Petroleum Hydrocarbons (as Diesel)	200	70.9 UG/L	Detection
Astachtigt         International         Internatinternatinternational         International				Petroleum Hydrocarbons (as Diesel)	200	91 UG/L	Detection
AL-AUGH 1600         1600 Audia Alemane         1017/2023 AL-TW-000154/3238-34.         Petroleum Hydrocarbon (as Diesel)         200         95.8 UG/L         Detection           CL-HY01785         PH 10: PH 503         10178/2023 CL-L-0000574-2318-24.         Petroleum Hydrocarbon (as Diesel)         200         85.8 UG/L         Detection           D2 28U05594F         Building 5594H         10178/2023 CL-U-000574-2318-24.         Petroleum Hydrocarbon (as Diesel)         200         85.2 UG/L         Detection           CL-HY01785         Building 110         10178/2023 CL-U-000574-3318-24.         Petroleum Hydrocarbon (as Diesel)         200         85.1 UG/L         Detection           CL-HY0128         CH-HY013         10178/2023 CL-U-001778-23182-4.         Petroleum Hydrocarbon (as Diesel)         200         85.1 UG/L         Detection           CL-HY0132         C2-HY046         10178/2023 CL-U-001778-23182-4.         Petroleum Hydrocarbon (as Diesel)         200         91.3 UG/L         Detection           CL-HY0132         C2-HY046         10178/2023 CL-U-001778-23182-4.         Petroleum Hydrocarbon (as Diesel)         200         53.7 UG/L         Detection           CL-HY0132         C2-HY046         10178/2023 CL-U-001779-23182-4.         Petroleum Hydrocarbon (as Diesel)         200         53.7 UG/L         Detetetion           CL-HY0142 <td></td> <td></td> <td></td> <td></td> <td>200</td> <td>101 UG/L</td> <td>Detection</td>					200	101 UG/L	Detection
Al-M2014000         Add/M2002         Cl-N00252-2182-3-N         Petroleum Hydrocarbons (as Diseal)         200         89.9         U/C/L           C1-HVD1785         PHID: PHID         10/14/2023         Cl-N00252-2182-3-N         Petroleum Hydrocarbons (as Diseal)         200         59.8         U/C/L         Detection           C3-BUD5391         Building 559i         10/14/2023         Cl-N001597-33124-N         Petroleum Hydrocarbons (as Diseal)         200         59.1         U/C/L         Detection           C3-BUD5011         Building 559i         10/14/2023         Cl-N01798-3182-N         Petroleum Hydrocarbons (as Diseal)         200         59.1         U/C/L         Detection           C3-HUD444         HDD: 413         10/14/2023         Cl-N01798-3182-N         Petroleum Hydrocarbons (as Diseal)         200         59.1         U/C/L         Detection           C3-HUD444         HD: 413         10/14/2023         Cl-N01798-3182-N         Petroleum Hydrocarbons (as Diseal)         200         53.1         U/L         Detection           C3-HUD44         HD: 41         C3-HUD47         10/14/2023         Cl-N01797-3182-N         Petroleum Hydrocarbons (as Diseal)         200         53.1         U/L         Detection           C3-HUD46         Detention         10/14/2023         Cl					200	96.8 UG/L	Detection
Cl-111/JAS         PHIDE TO A         Petroleum Hydrocarbons (as Diesel)         200         67.4 Up/A         Detection           C1-1112/JAS         PHIDE TO A         Petroleum Hydrocarbons (as Diesel)         200         88.1 Up/A         Detection           C3-BLOSDIN         Building 11         10/JA/2023 C3-TW-0001597-33162-MT         Petroleum Hydrocarbons (as Diesel)         200         88.1 Up/A         Detection           C3-HT0234         Ch/1177         10/JA/2023 C3-TW-001597-33162-MT         Petroleum Hydrocarbons (as Diesel)         200         89.1 Up/A         Detection           C3-HT0234         Ch/1177         10/JA/2023 C3-TW-001798-33162-M         Petroleum Hydrocarbons (as Diesel)         200         89.1 Up/A         Detection           C3-HT0244         CA-HT246         10/JA/2023 C3-TW-001797-33162-M         Petroleum Hydrocarbons (as Diesel)         200         57.1 Up/A         Detection           C3-HT0246         246 MeBI Street         10/JA/2023 C3-TW-001797-33162-M         Petroleum Hydrocarbons (as Diesel)         200         57.1 Up/A         Detection           C3-HT0241         CJ/JA/2023 C3-TW-001797-33162-M         Petroleum Hydrocarbons (as Diesel)         200         55.1 Up/A         Detection           C3-HT0241         HJ/JA/2023 C3-TW-001797-33162-M         Petroleum Hydrocarbons (as Diesel)         200					200	89.9 UG/L	Detection
CL HMD1/HSA         Petroleum Hydrocarbon (as Diesel)         200         98.8 UG/L         Detection           C3 BL050011         Bulding 11         10/8/2023 C1-W-001597-33132-M         Petroleum Hydrocarbon (as Diesel)         200         98.1 UG/L         Detection           C3 BL050011         Bulding 11         10/8/2023 C1-W-001597-33132-M         Petroleum Hydrocarbon (as Diesel)         200         98.1 UG/L         Detection           C3 HV0228         C2 HV171         10/8/2023 C1-W-001798-33132-M         Petroleum Hydrocarbon (as Diesel)         200         65.3 UG/L         Detection           C3 HV0228         C2 HV1721         C2 HV246         10/8/2023 C1-W-001798-23132-M         Petroleum Hydrocarbon (as Diesel)         200         51.3 UG/L         Detection           C3 HV021         C2 HV246         10/8/2023 C2-W-001798-23132-M         Petroleum Hydrocarbon (as Diesel)         200         53.7 UG/L         Detection           C3 HV021         C2 HV246         10/8/2023 C2-W-001798-23132-M         Petroleum Hydrocarbon (as Diesel)         200         53.7 UG/L         Detection           C3 HV021         C2 HV246         10/8/2023 C2-W-001798-23132-M         Petroleum Hydrocarbon (as Diesel)         200         53.5 UG/L         Detection           C3 HV221         C4 HV24         10/8/2023 C2-W-001798-31314-M         Petr					200	67.4 UG/L	Detection
Documents         Description         Display and the second secon					200	98.8 UG/L	Detection
C3-81L0001L         billing L4         1015/2032 C1.0-00179-3152.4         Petroleum Hydrocarbons (as Diesel)         200         98.1 UG/L         Detection           C3-H70228         C2-H7121         1018/2032 C1.0-00178-3152.4         Petroleum Hydrocarbons (as Diesel)         200         85.1 UG/L         Detection           C3-H70228         C2-H7145         1018/2032 C1.0-00178-3152.4         Petroleum Hydrocarbons (as Diesel)         200         85.1 UG/L         Detection           C3-H70241         C2-H7146         1018/2032 C1.0-00178-3152.4         Petroleum Hydrocarbons (as Diesel)         200         85.7 UG/L         Detection           C3-H70241         C2-H7146         1018/2032 C1.0-00178-3152.4         Petroleum Hydrocarbons (as Diesel)         200         85.7 UG/L         Detection           C3-H70240         Hydrast 303         1018/2032 A1-0-00178-521345.4         Petroleum Hydrocarbons (as Diesel)         200         65.3 UG/L         Detection           C3-H70243         HY 1.3         10118/2032 A1-0-00178-521345.4         Petroleum Hydrocarbons (as Diesel)         200         5.3 UG/L         Detection           A2-H70743         HY 1.4         10118/2032 A1-0-00178-521345.4         Petroleum Hydrocarbons (as Diesel)         200         6.3 UG/L         Detection           A2-H70744         HY 1.4         10118/2032					200	88.2 UG/L	Detection
C1-H0334         Philip 232         C2-H07279         Display 23         Display 23 <thdisplay 23<="" th=""> <thdisplay 23<="" th=""></thdisplay></thdisplay>					200	98.1 UG/L	Detection
C3-H10228         Cummun         Detection         Petroleum Hydrocarbons (a: Diesel)         200         85.3         UG/L         Detection           C2-H10241         C2-H1245         10/18/2023         C2-L1001778-23162-4N         Petroleum Hydrocarbons (a: Diesel)         200         95.3         UG/L         Detection           C3-H10241         C2-H1245         10/18/2023         C2-L001778-23162-4N         Petroleum Hydrocarbons (a: Diesel)         200         85.3         UG/L         Detection           C3-H10241         C2-H1245         10/18/2023         C2-L001778-23162-4N         Petroleum Hydrocarbons (a: Diesel)         200         85.3         UG/L         Detection           C3-H10241         H 124         10/18/2023         C2-L001765-23162-4N         Petroleum Hydrocarbons (a: Diesel)         200         63.5         UG/L         Detection           C3-H1077-13         H 17-13         10/19/2023         A2-L001765-23163-N         Petroleum Hydrocarbons (a: Diesel)         200         63.5         UG/L         Detection           A2-H10724         H 17-4         10/19/2023         A2-L0017565-2314-N         Petroleum Hydrocarbons (a: Diesel)         200         63.6         UG/L         Detection           A2-H10724         H 17-4         10/19/2023         A2-L0017555-23145-N <td></td> <td></td> <td></td> <td></td> <td>200</td> <td>89.1 UG/L</td> <td>Detection</td>					200	89.1 UG/L	Detection
C1+TM244         P1.1         Display         Display         Perroleum Hydrocarbons (a Disen)         200         91.3         UG/L         Detection           D3-MEU0246         246 Molia Street         10/18/2023         C-2-10/032         Perroleum Hydrocarbons (a Disen)         200         51.0/G/L         Detection           C2+TM241         C2+TH245         10/18/2023         C-2-0.001779-23162-344         Petroleum Hydrocarbons (a Disen)         200         85.7         UG/L         Detection           C2+TM241         FH 124         10/18/2023         C-2-0.0017573-21312-44         Petroleum Hydrocarbons (a Disen)         200         53.5         UG/L         Detection           A2+TM214         FH 124         10/19/2023         A2-0.0007565-21314-44         Petroleum Hydrocarbons (a Disen)         200         53.5         UG/L         Detection           A2+TM254         FH 124         10/19/2023         A2-WO00373145-44         Petroleum Hydrocarbons (a Disen)         200         53.5         UG/L         Detection           A2+TM254         FH 124         10/19/2023         A2-WO00373145-44         Petroleum Hydrocarbons (a Disen)         200         53.5         UG/L         Detection           A2+TM254         FH 124         10/19/2023         A2-WO0037313-73         Petroleu					200	86.3 UG/L	Detection
C2-1170241         C2-117024         C2-117074-20162-NP         Percloum Hydrocarbons (a Diserel)         Col         B5.4 UG/L         Detection           C-14UDGS         H 124         10/13/2023         C2-10-001756-2316-AH         Percloum Hydrocarbons (a Diserel)         Col         FD.10/L         Col					200	91.3 UG/L	Detection
D3-ME(10/24c         C2+W1041         C2+W10413         C2+W1041         C2+W10413					200	51 UG/L	Detection
C2+MP421					200	85.7 UG/L	Detection
C2-H70560         mydraft 303         10/18/2023 C1-TW-0014730-23152.W         Petroleum Hydrocarbons (as Diesel)         200         70.1 U/G/L         Detection           C2-H70214         H1 214         10/19/2023 A.2-U-0007562-32145-W         Petroleum Hydrocarbons (as Diesel)         200         50.9 U/G/L         Detection           A2-H707-13         H7 7-13         10/19/2023 A.2-U-0007562-32145-W         Petroleum Hydrocarbons (as Diesel)         200         50.9 U/G/L         Detection           A2-H707-14         H7 7-4         10/19/2023 A.2-U-0007562-32145-W         Petroleum Hydrocarbons (as Diesel)         200         63.6 U/G/L         Detection           A2-H707-4         H7 7-4         10/19/2023 A.2-U-000057-32145-W         Petroleum Hydrocarbons (as Diesel)         200         63.6 U/G/L         Detection           A2-H702-14         H74         10/19/2023 A.2-U-000057-23145-W         Petroleum Hydrocarbons (as Diesel)         200         58.8 U/G/L         Detection           A2-H702-15         H1 Z-16         10/19/2023 A.2-U-0001756-23145-W         Petroleum Hydrocarbons (as Diesel)         200         58.9 U/G/L         Detection           A2-H702-16         H1 Z-16         10/19/2023 A.2-U-0001756-23145-W         Petroleum Hydrocarbons (as Diesel)         200         56.9 U/G/L         Detection           A2-H702-16         H1					200	89.4 UG/L	Detection
C1-BIO2107         H124         10/19/2023         A2-0.0017662-23145-M         Petroleum Hydrocarbons (as Diesel)         200         6.3.5 UG/L         Detection           A2-HY027.4         H17.13         10/19/2023         A2-0.00017662-23145-M         Petroleum Hydrocarbons (as Diesel)         200         9.1.6 UG/L         Detection           A2-HY027.4         H17.4         10/19/2023         A2-0.00007582-33145-M         Petroleum Hydrocarbons (as Diesel)         200         8.1.4 UG/L         Detection           A2-HY027.4         H17.4         10/19/2023         A2-0.00007573-23145-M         Petroleum Hydrocarbons (as Diesel)         200         8.1.4 UG/L         Detection           A2-HY0543         H10:5:1         10/19/2023         A2-W.001627-23145-M         Petroleum Hydrocarbons (as Diesel)         200         5.8.1 UG/L         Detection           A2-HY0544         H184         10/19/2023         A2-W.0017567-23145-M         Petroleum Hydrocarbons (as Diesel)         200         5.6.8.UG/L         Detection           A2-HY0274         H724         10/20/2023         A2-W.001682-23157-M         Petroleum Hydrocarbons (as Diesel)         200         5.6.UG/L         Detection           A3-WEUL4772A         4772A West Elus Way         10/20/2023         A3-W-001682-23157-M         Petroleum Hydrocarbons (as Diesel)					200	70.1 UG/L	Detection
A2+H70713         HF 213         10/12/2023         A2-DC-0017655-2316-H         Petroleum Hydrocarbons (az Diseil)         200         50.9 UG/L         Detection           A3-EEHA4858B         48588 East Ehw Way         10/19/2023         A2-UW07-15         Petroleum Hydrocarbons (az Diseil)         200         81.4 UG/L         Detection           A2-HW07-H         H7-4         10/19/2023         A2-U-00057-23145-H         Petroleum Hydrocarbons (az Diseil)         200         81.4 UG/L         Detection           A3-R005238         5238 froupois Åenue         10/19/2023         A2-U-00057-23145-H         Petroleum Hydrocarbons (az Diseil)         200         56.8 UG/L         Detection           A2-H702-L         FH 2-16         10/19/2023         A2-U-001756-23145-H         Petroleum Hydrocarbons (az Diseil)         200         56.8 UG/L         Detection           A2-H702-L         FH 2-16         10/19/2023         A2-U-001756-23145-H         Petroleum Hydrocarbons (az Diseil)         200         56.8 UG/L         Detection           A2-H702-L         FH 2-16         10/20/2023         A3-W-0016821-23157-H         Petroleum Hydrocarbons (az Diseil)         200         56.0 UG/L         Detection           A3-WELU4772A         4772A West Elua Way         10/20/2023         A3-W-0016821-23157-H         Petroleum Hydrocarbons (az Diseil)<					200	63.5 UG/L	Detection
A2-HT07-13         HT 71-3         J0/J2/223         A3-TW-001754-23157-N         Petroleum Hydrocarbons (as Diesel)         200         91.6 U/G/L         Detection           A2-HT07-4         HT 7-4         10/J9/2023         A2-Ht000758-23145-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 U/G/L         Detection           A2-HT054         HT 10: 3-1         10/J9/2023         A2-Ht0054         Petroleum Hydrocarbons (as Diesel)         200         63.4 U/G/L         Detection           A2-HT054         FH 3-4         10/J9/2023         A2-Wt0054         Petroleum Hydrocarbons (as Diesel)         200         63.8 U/G/L         Detection           A2-HT054         FH 3-4         10/J9/2023         A2-Wt0054         Petroleum Hydrocarbons (as Diesel)         200         56.8 U/G/L         Detection           A2-HT024         FT 2-6         10/J9/2023         A2-Wt00544-23162-N         Petroleum Hydrocarbons (as Diesel)         200         56.8 U/G/L         Detection           A2-HT0245         FH 2-16         10/20/2023         A3-Wt001637-23135-N         Petroleum Hydrocarbons (as Diesel)         200         56.1 U/G/L         Detection           A2-HT0245         FH 2-16         10/20/2023         A3-Wt001637-23135-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 U/G/L					200	50.9 UG/L	Detection
A3-EEMAABS3B         Bases basic basic havery         101/1/2023 A2-D-0007568-23145-M         Petroleum Hydrocarbons (as Diesel)         200         81.4 UG/L         Detection           A2-HY07543         FHI D: 3-1         10/19/2023 A2-D-0000507-23145-M         Petroleum Hydrocarbons (as Diesel)         200         53.7 UG/L         Detection           A3-R0025328         5238 forquiot Avenue         10/19/2023 A2-TW-0001857-23145-M         Petroleum Hydrocarbons (as Diesel)         200         56.8 UG/L         Detection           A2-HY074         FH 84         10/19/2023 A2-D-0017565-23145-M         Petroleum Hydrocarbons (as Diesel)         200         58.0 UG/L         Detection           A2-HY0274         FT2 AV         H1 84         10/19/2023 A2-D-0017656-23145-M         Petroleum Hydrocarbons (as Diesel)         200         58.0 UG/L         Detection           A2-HYU274         A772A West Elua Way         10/20/2023 A3-TW-0016821-23157-M         Petroleum Hydrocarbons (as Diesel)         200         53.1 UG/L         Detection           A3-WELUAF72A         A772A West Elua Way         10/20/2023 A3-TW-0016827-23157-M         Petroleum Hydrocarbons (as Diesel)         200         53.1 UG/L         Detection           A3-HUL0A572         5073 Horquios Avenue         10/20/2023 A3-TW-001627-23157-M         Petroleum Hydrocarbons (as Diesel)         200         53.1 UG/L					200	91.6 UG/L	Detection
A2+HVD74         HP / A         10/19/2023         A2-LO000507-23145-M         Petroleum Hydrocarbons (as Diesel)         200         63.6 UG/L         Detection           A3-HR0C05238         5238 iroquois Avenue         10/19/2023         A2-WO0527-23157-N         Petroleum Hydrocarbons (as Diesel)         200         62.8 UG/L         Detection           A2-HVD246         FH 84         10/19/2023         A2-WO05756-23145-N         Petroleum Hydrocarbons (as Diesel)         200         58.8 UG/L         Detection           A2-HVD216         FH 2-16         10/19/2023         A2-WO0566-23145-N         Petroleum Hydrocarbons (as Diesel)         200         59. UG/L         Detection           A2-HVD216         FH 2-16         10/20/2023         A3-WO056621243157-N         Petroleum Hydrocarbons (as Diesel)         200         57.7 UG/L         Detection           A3-WELUA772A         4772A West Elua Way         10/20/2023         A3-W-0016622-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-FULM5834A         5834 Fulmar Avenue         10/20/2023         A3-W-0016622-23157-N         Petroleum Hydrocarbons (as Diesel)         200         53.1 UG/L         Detection           A3-ROLSOSO7A         5007A Iroquois Avenue         10/20/2023 A3-W-001722-23157-N         Petroleum Hydrocarbons (as D					200	81.4 UG/L	Detection
A3-ROQ5328         5738 Iroquis Avenue         10/19/2023 A3-TW-0016271-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.7 UG/L         Detection           A3-ROQ5328         4755 Kamehameha Loop         10/19/2023 A3-TW-0017857-23145-N         Petroleum Hydrocarbons (as Diesel)         200         56.8 UG/L         Detection           A2-HYD84         FH 84         10/19/2023 A3-DL-0017857-23145-N         Petroleum Hydrocarbons (as Diesel)         200         55.9 UG/L         Detection           A2-HYD24         FT 84         10/19/2023 A3-DL-0017857-23145-N         Petroleum Hydrocarbons (as Diesel)         200         56.0 UG/L         Detection           B3-WELUA772A         4772A West Elua Way         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-WELUA772A         4772A West Elua Way         10/20/2023 A3-TW-0016822-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-ROC3507A         5007A Iroquois Avenue         10/20/2023 A3-TW-001622-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           A3-ROC3507A         500758 Iroquois Avenue         10/20/2023 A3-TW-001722-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Det					200	63.6 UG/L	Detection
A3-R0C3523         D23-B R0003 Avenue         10/19/2023 A2-TW-0001857-2345-N         Petroleum Hydrocarbons (as Diesel)         200         62.8 UG/L         Detection           A2-KME4755         4755 Kamehameha Loop         10/19/2023 A2-00-0017657-2345-N         Petroleum Hydrocarbons (as Diesel)         200         56.8 UG/L         Detection           A2-HYD2-16         FH 2-16         10/19/2023 A2-00-0017657-2345-N         Petroleum Hydrocarbons (as Diesel)         200         56.0 UG/L         Detection           B3-0HAN0731         731 Ohana Nui Circle         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-WELU4772A         4772A West Elua Way         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-ROLS0507A         5007A froquois Avenue         10/20/2023 A3-TW-0016822-23157-N         Petroleum Hydrocarbons (as Diesel)         200         53.1 UG/L         Detection           A3-ROCS05075         50758 froquois Avenue         10/20/2023 A3-TW-001622-23157-N         Petroleum Hydrocarbons (as Diesel)         200         53.4 UG/L         Detection           A3-ROCS0508         S089A Iroquois Avenue         10/20/2023 A3-TW-001722-23157-N         Petroleum Hydrocarbons (as Diesel)         200         53.4 UG/L<					200	59.7 UG/L	Detection
A2-KMNE4/55         4/35 Millemannelia Bobp         10/3/2023 A2-DL-0017657-23145-N         Petroleum Hydrocarbons (as Diesel)         200         56.8 UG/L         Detection           A2-HY082-16         FH 2-16         10/19/2023 A2-DL-0017657-23145-N         Petroleum Hydrocarbons (as Diesel)         200         56.9 UG/L         Detection           B3-OHAN0731         731 Ohana NU Circle         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         56.9 UG/L         Detection           A3-WELU4772A         4772A West Elua Way         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-WELU4772A         4772A West Elua Way         10/20/2023 A3-TW-0016827-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-RUL05326         50758 Iroquis Avenue         10/20/2023 A3-TW-001227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         52.4 UG/L         Detection           A3-ROQ5007A         50058 Iroquis Avenue         10/20/2023 A3-TW-001227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         52.4 UG/L         Detection           A3-ROQ5007B         50058 Iroquis Avenue         10/23/2023 B3-TW-001227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         54.4 UG					200	62.8 UG/L	Detection
A2-HY024         HP 3-16         D1/13/2023         A2-LP 0017656-23145-N         Petroleum Hydrocarbons (as Diesel)         200         58.9 U/g/L         Detection           D3-OHAN0731         731 Ohana Nui Grcle         10/20/2023 D3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         57.7 U/g/L         Detection           A3-WELU4772A         4772A West Bua Way         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 U/g/L         Detection           A3-WELU4772A         4772A West Bua Way         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 U/g/L         Detection           A3-RULMSS34A         SS34A Fulmar Avenue         10/20/2023 A3-TW-0016822-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.3 U/g/L         Detection           A3-ROUS007A         S007A Iroquois Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 U/g/L         Detection           A3-ROUS0698         S058A Iroquois Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 U/g/L         Detection           D3-DLG1335H         School Age Center, Building         10/23/2023 D3-TW-0015124-23152-N         Petroleum Hydrocarbons (as Diesel) <td< td=""><td></td><td></td><td></td><td></td><td>200</td><td>56.8 UG/L</td><td>Detection</td></td<>					200	56.8 UG/L	Detection
A2-HY02-1b         HY02-1b         HY02-1b         HY02-1b         HY02-1b         Petroleum Hydrocarbons (as Diesel)         200         56 UG/L         Detection           D3-OHAN0731         731 Ohana Nui Circle         10/20/2023 A3-TW-0016821-23157-M         Petroleum Hydrocarbons (as Diesel)         200         54.5 UG/L         Detection           A3-WELU4772A         4772A West Elua Way         10/20/2023 A3-TW-0016821-23157-M         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-FULUKSSMA         5834A Fulmar Avenue         10/20/2023 D3-TW-0016821-23157-M         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           D2-IUU0015         15 Julian Avenue         10/20/2023 D3-TW-0016237-23157-M         Petroleum Hydrocarbons (as Diesel)         200         65.3 UG/L         Detection           A3-ROUS09758         50758 froquois Avenue         10/20/2023 A3-TW-0017227-23157-M         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           D3-BLOG1335H         School Age Center, Building         10/23/2023 D3-TW-0015141-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         53.4 UG/L         Detection           D3-BLOG1335H         School Age Center, Building         10/23/2023 D3-TW-0015154-23162-N-1         Petroleum Hydrocarbons (as Diesel)					200	58.9 UG/L	Detection
D3-WELU4772A         4772A West Elua Way         10/20/2023 A3-TW-0016821-23157-3-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         56.1 UG/L         Detection           A3-WELU4772A         4772A West Elua Way         10/20/2023 A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-WELU4772A         5007A Iroquis Avenue         10/20/2023 A3-TW-001622-23157-N         Petroleum Hydrocarbons (as Diesel)         200         53.2 UG/L         Detection           A3-ROC05075         5075B Iroquis Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           A3-ROC050758         S075B Iroquis Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           B3-BL061335H         School Age Center, Building         10/23/2023 D3-TW-0015141-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLD60520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0015707-23162-N-2         Petroleum Hydrocarbons (as Diesel)			10/20/2023 D3-TW-0009464-23162-N		200		
A3-WEUG/172A         4772A         West Elua Way         10/20/2023         A3-TW-0016821-23157-N         Petroleum Hydrocarbons (as Diesel)         200         54.3         06/L         Detection           A3-WEUM/S34A         5834A Fulmar Avenue         10/20/2023         A3-TW-0016872-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1         UG/L         Detection           D2-JULI0015         15 Julian Avenue         10/20/2023         A3-TW-0016822-23157-N         Petroleum Hydrocarbons (as Diesel)         200         53.2         UG/L         Detection           A3-ROQ50075         500758 Iroquis Avenue         10/20/2023         A3-TW-001727-23157-N         Petroleum Hydrocarbons (as Diesel)         200         54.4         UG/L         Detection           A3-ROQ50758         500758 Iroquis Avenue         10/20/2023         A3-TW-001727-23157-N         Petroleum Hydrocarbons (as Diesel)         200         54.4         UG/L         Detection           D3-BL061335H         School Age Center, Building         10/23/2023         D3-TW-001597-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         51.1         UG/L         Detection           D3-BL061335H         School Age Center, Building         10/23/2023         D3-TW-001597-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         51.				Petroleum Hydrocarbons (as Diesel)	200		Detection
No. Hole Milling         10/20/2023 A3-TW-0016372-23137-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           D3-ULUI0015         15 Julian Avenue         10/20/2023 D2-TW-0008053-23157-N         Petroleum Hydrocarbons (as Diesel)         200         50.1 UG/L         Detection           A3-ROQ.5007A         5007A Iroquois Avenue         10/20/2023 A3-TW-001622-23157-N         Petroleum Hydrocarbons (as Diesel)         200         53.1 UG/L         Detection           A3-ROQ.5007B         5075B Iroquois Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           A3-ROQ.5075B         5075B Iroquois Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           D3-BLDG1335H         School Age Center, Building         10/23/2023 D3-TW-0015141-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG1335H         School Age Center, Building         10/23/2023 D3-TW-0015707-23162-N-2         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG135H         Hickam West CDC, Building         10/23/2023 D3-TW-0015707-23162-N-2         Petroleum Hydrocarbons (as Diesel)         200         <				Petroleum Hydrocarbons (as Diesel)	200	54.5 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.RQ0S007A         5007A (roquis Avenue         10/20/2023 A3-TW-001237-23133-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           A1.ETCE0269         269 Etcell Court         10/20/2023 A1-TW-001237-23133-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           A3.RQ0S075B         5078 Iroquis Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           A3.RQ0S078B         5089A Iroquis Avenue         10/23/2023 D3-TW-0015141-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         53.4 UG/L         Detection           D3-BL061335H         School Age Center, Building         10/23/2023 D3-TW-001297-23162-N-2         Petroleum Hydrocarbons (as Diesel)         200         53.1 UG/L         Detection           D3-BL06135H         Hickam West CDC, Building         10/23/2023 D3-TW-0017507-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BL060520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0017507-23162-N-5         Petroleum Hydrocarbons (as Diesel) <t< td=""><td></td><td></td><td>10/20/2023 A3-TW-0016372-23157-N</td><td>Petroleum Hydrocarbons (as Diesel)</td><td>200</td><td></td><td></td></t<>			10/20/2023 A3-TW-0016372-23157-N	Petroleum Hydrocarbons (as Diesel)	200		
D2-3/ULD015         D3 Juliar Avenue         D/3/U2023         A3-TW-0016622-23157-N         Petroleum Hydrocarbons (as Diesel)         200         65.3         UG/L         Detection           A3-ROQ5007A         5007A Iroquois Avenue         10/20/2023         A3-TW-001237-231357-N         Petroleum Hydrocarbons (as Diesel)         200         63.4         UG/L         Detection           A3-ROQ5075B         5075B Iroquois Avenue         10/20/2023         A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4         UG/L         Detection           D3-BLD61335H         School Age Center, Building         10/23/2023         D3-TW-0015141-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         63.4         UG/L         Detection           D3-BLD61335H         School Age Center, Building         10/23/2023         D3-TW-0015157-33162-N-1         Petroleum Hydrocarbons (as Diesel)         200         51.1         UG/L         Detection           D3-BLD6152C         Chester Nimitz Elementary,         10/23/2023         D3-TW-0015157-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         51.1         UG/L         Detection           D3-BLD6152C         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         5				Petroleum Hydrocarbons (as Diesel)			
Al-ErcE0269         266 Etcell Court         10/20/2023 A1-TW-0001237-23139-N         Petroleum Hydrocarbons (as Diesel)         200         7.1.2 UG/L         Detection           A3-IROC500758         50758 Iroquois Avenue         10/20/2023 A3-TW-0017227-33157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           A3-IROC50089A         5089A Iroquois Avenue         10/20/2023 A3-TW-0017227-33157-N         Petroleum Hydrocarbons (as Diesel)         200         64.4 UG/L         Detection           D3-BLDG1335H         School Age Center, Building         10/23/2023 D3-TW-0015141-23162-N-1         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG1335H         School Age Center, Building         10/23/2023 D3-TW-001597-23162-N-2         Petroleum Hydrocarbons (as Diesel)         200         51.1 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-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0017507-23162-N-5         Petroleum Hydrocarbons (as Diesel)         200         55.2 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0017507-23162-N-5         Petroleum Hydrocarb							
A1=F1CE0269         269 Extent Colt         200 Extent Colt         63.4 UG/L         Detection           A3-IROQ50758         50758 Iroquois Avenue         10/20/2023 A3-TW-0017227-23157-N         Petroleum Hydrocarbons (as Diesel)         200         63.4 UG/L         Detection           D3-BL0G1335H         School Age Center, Building         10/23/2023 D3-TW-0015141-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         53.4 UG/L         Detection           D3-BLDG1335H         School Age Center, Building         10/23/2023 D3-TW-0015141-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG135H         School Age Center, Building         10/23/2023 D3-TW-0015153-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0015707-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         56.1 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0015707-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         56.1 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0015707-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         52.6 UG/L         Detec				Petroleum Hydrocarbons (as Diesel)			
A3-IROC00989A         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-P         Petroleum Hydrocarbons (as Diesel)         200         53.4 UG/L         Detection           D3-BLDG1335H         School Age Center, Building         10/23/2023 D3-TW-0015141-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         53.4 UG/L         Detection           D3-BLDG1335H         School Age Center, Building         10/23/2023 D3-TW-001515-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0015707-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0017507-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         51.1 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0017507-23162-N-P         Petroleum Hydrocarbons (as Diesel)         200         52.1 UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023 D3-TW-0017507-23162-N-P         P				Petroleum Hydrocarbons (as Diesel)	200		
D3-BLDG1335HSchool Age Center, Building10/23/2023 D3-TW-0015141-23162-N-1Petroleum Hydrocarbons (as Diesel)20064.4 UG/LDetectionD3-BLDG1335HSchool Age Center, Building10/23/2023 D3-TW-0015141-23162-N-2Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG1534HHickam West CDC, Building10/23/2023 D3-TW-0015141-23162-N-2Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-2Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-2Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0010204-23162-NPetroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-OHAN0125125 Ohana Nui Circle10/23/2023 D3-TW-0010240-23162-NPetroleum Hydrocarbons (as Diesel)20052.8 UG/LDetectionD3-OHAN0321321 Ohana Nui Circle10/23/2				Petroleum Hydrocarbons (as Diesel)	200		
D3-BLDG1335HSchool Age Center, Building10/23/2023 D3-TW-0015141-23162-N-2Petroleum Hydrocarbons (as Diesel)200S3.4 UG/LDetectionD3-BLAN0528528 Ohana Nui Circle10/23/2023 D3-TW-0010297-23162-NPetroleum Hydrocarbons (as Diesel)200S1.1 UG/LDetectionD3-BLDG1554HHickam West CDC, Building10/23/2023 D3-TW-0015133-23162-N-1Petroleum Hydrocarbons (as Diesel)200S1.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-2Petroleum Hydrocarbons (as Diesel)200S1.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-2Petroleum Hydrocarbons (as Diesel)200S1.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)200S5.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)200S5.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)200S5.7 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary,10/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)200S5.7 UG/LDetectionD3-0HAN0145145 Ohana Nui Circle10/23/2023 D3-TW-0012042-33162-NPetroleum Hydrocarbons (as Diesel)200S5.7 UG/LDetectionD3-0HAN0321321 Ohana Nui Circle10/23/2023 D3-T				Petroleum Hydrocarbons (as Diesel)			
D3-DHAN0328 D3-BLDG1534H528 Ohana Nui Circle10/23/2023 D3-TW-0010297-23162-N-1Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-001513-23162-N-2Petroleum Hydrocarbons (as Diesel)20060.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-0017507-23162-N-2Petroleum Hydrocarbons (as Diesel)20051.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-0017507-23162-N-2Petroleum Hydrocarbons (as Diesel)20055.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)20055.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)20055.2 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)20055.7 UG/LDetectionD3-OHAN0155145 Ohana Nui Circle10/23/2023 D3-TW-001204-23162-NPetroleum Hydrocarbons (as Diesel)20055.7 UG/LDetectionD3-OHAN0321321 Ohana Nui Circle10/23/2023 D3-TW-0012014-23162-NPetroleum Hydrocarbons (as Diesel)20053.6 UG/LDetectionD3-OHAN0321321 Ohana Nui Circle10/23/2023 D3-TW-001201-23162-NPetroleum Hydrocarbons (as Diesel)20053.6 UG/L<				Petroleum Hydrocarbons (as Diesel)			
D3-BLDG0520         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-001507-23162-N-2         Petroleum Hydrocarbons (as Diesel)         200         65.1         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-001507-23162-N-2         Petroleum Hydrocarbons (as Diesel)         200         65.1         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-001507-23162-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-3         Petroleum Hydrocarbons (as Diesel)         200         52.1         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-4         Petroleum Hydrocarbons (as Diesel)         200         52.1         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0010204-23162-N         Petroleum Hydrocarbons (as Diesel)         200 </td <td></td> <td></td> <td></td> <td>Petroleum Hydrocarbons (as Diesel)</td> <td></td> <td></td> <td></td>				Petroleum Hydrocarbons (as Diesel)			
D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-W-0017507-23162-N-2         Petroleum Hydrocarbons (as Diesel)         200         60.1         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-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-5         Petroleum Hydrocarbons (as Diesel)         200         55.1         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-4         Petroleum Hydrocarbons (as Diesel)         200         52.0         G5.2         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-4         Petroleum Hydrocarbons (as Diesel)         200         52.0         G/L         Detection           D3-OHAN0145         145 Ohana Nui Circle         10/23/2023         D3-TW-0010204-23162-3-N         Petroleum Hydrocarbons (as Diesel)         200         52.7         UG/L         Detection           D3-OHAN0125         125 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)				Petroleum Hydrocarbons (as Diesel)			
D3-BLBG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-5         Petroleum Hydrocarbons (as Diesel)         200         51.1         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-5         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         52.1         UG/L         Detection           D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-TW-0017507-23162-N-3         Petroleum Hydrocarbons (as Diesel)         200         51.7         UG/L         Detection           D3-OHAN0145         145 Ohana Nui Circle         10/23/2023         D3-TW-0010204-23162-N         Petroleum Hydrocarbons (as Diesel)         200         52.8         UG/L         Detection           D3-OHAN0125         125 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.6         UG/L         Detection           D3-OHAN0321         321 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53			10/23/2023 D3-TW-0017507-23162-N-2	Petroleum Hydrocarbons (as Diesel)			
D3-BLDG0219Building 2192H10/23/2023 D3-TW-0015212-23162-NPetroleum Hydrocarbons (as Diesel)20055.1 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-0017507-23162-N-3Petroleum Hydrocarbons (as Diesel)20052.6 UG/LDetectionD3-BLDG0520Chester Nimitz Elementary, D3-BLDG052010/23/2023 D3-TW-0017507-23162-N-4Petroleum Hydrocarbons (as Diesel)20051.7 UG/LDetectionD3-OHAN0145145 Ohana Nui Circle10/23/2023 D3-TW-0010194-23162-3-NPetroleum Hydrocarbons (as Diesel)20055.7 UG/LDetectionD3-OHAN0125125 Ohana Nui Circle10/23/2023 D3-TW-0010194-23162-3-NPetroleum Hydrocarbons (as Diesel)20053.6 UG/LDetectionD3-OHAN0321321 Ohana Nui Circle10/23/2023 D3-TW-0015192-23162-NPetroleum Hydrocarbons (as Diesel)20053.6 UG/LDetectionD3-OHAN0321321 Ohana Nui Circle10/23/2023 D3-TW-0015192-23162-NPetroleum Hydrocarbons (as Diesel)20053.6 UG/LDetectionD3-OHAN0337137 Ohana Nui Circle10/23/2023 D3-TW-0010201-23162-NPetroleum Hydrocarbons (as Diesel)20053.6 UG/LDetectionD3-OHAN0322832 Ohana Nui Circle10/24/2023 D3-TW-001038-23162-NPetroleum Hydrocarbons (as Diesel)20076.5 UG/LDetectionD3-OHAN0337137 Ohana Nui Circle10/24/2023 D3-TW-001038-23162-NPetroleum Hydrocarbons (as Diesel)20076.5 UG/LDetectionD3-OHAN0382832 Ohana Nui Circle10/24/2023 D3-TW-001038-23162-N<			10/23/2023 D3-TW-0017507-23162-N-5	Petroleum Hydrocarbons (as Diesel)	200		
D3-BLG0520         Chester Nimitz Elementary, D3-BLG0520         10/23/2023         D3-TW-0017507-23162-N-3         Petroleum Hydrocarbons (as Diesel)         200         52.6         UG/L         Detection           D3-BLG0520         Chester Nimitz Elementary, D3-BLG0520         10/23/2023         D3-TW-0017507-23162-N-4         Petroleum Hydrocarbons (as Diesel)         200         52.6         UG/L         Detection           D3-BLG0520         Chester Nimitz Elementary, D3-OHAN0145         145 Ohana Nui Circle         10/23/2023         D3-TW-001204-23162-N-N         Petroleum Hydrocarbons (as Diesel)         200         51.7         UG/L         Detection           D3-OHAN0125         125 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         52.8         UG/L         Detection           D3-OHAN0321         321 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.6         UG/L         Detection           D3-OHAN0321         321 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.6         UG/L         Detection           D3-OHAN037         137 Ohana Nui Circle         10/23/2023         D3-TW-001038-23162-N         Petroleum Hydroca				Petroleum Hydrocarbons (as Diesel)			
D3-BLDG0520         Chester Nimitz Elementary,         10/23/2023         D3-W-0017507-23162-N-4         Petroleum Hydrocarbons (as Diesel)         200         51.7         UG/L         Detection           D3-0HAN0145         145 Ohana Nui Circle         10/23/2023         D3-TW-0010204-23162-3-N         Petroleum Hydrocarbons (as Diesel)         200         51.7         UG/L         Detection           D3-0HAN0145         145 Ohana Nui Circle         10/23/2023         D3-TW-0010204-23162-3-N         Petroleum Hydrocarbons (as Diesel)         200         52.8         UG/L         Detection           D3-0HAN0321         321 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.6         UG/L         Detection           D3-0HAN0321         321 Ohana Nui Circle         10/23/2023         D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.6         UG/L         Detection           D3-0HAN0321         317 Ohana Nui Circle         10/23/2023         D3-TW-0010201-23162-N         Petroleum Hydrocarbons (as Diesel)         200         93.9         UG/L         Detection           D3-0HAN0137         137 Ohana Nui Circle         10/24/2023         D3-TW-001038-23162-N         Petroleum Hydrocarbons (as Diesel)         200         77.7         UG							
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-OHAN0145         145 Ohana Nui Circle         10/23/2023 D3-TW-001024-23162-3-N         Petroleum Hydrocarbons (as Diesel)         200         51.7 UG/L         Detection           D3-OHAN0125         125 Ohana Nui Circle         10/23/2023 D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.8 UG/L         Detection           D3-OHAN0321         321 Ohana Nui Circle         10/23/2023 D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.6 UG/L         Detection           D3-OHAN0137         137 Ohana Nui Circle         10/23/2023 D3-TW-0010210-23162-N         Petroleum Hydrocarbons (as Diesel)         200         93.9 UG/L         Detection           D3-OHAN0137         137 Ohana Nui Circle         10/24/2023 D3-TW-001038-23162-N         Petroleum Hydrocarbons (as Diesel)         200         77.7 UG/L         Detection           D3-PILO0162         162 Pilokea Lane         10/24/2023 D3-TW-001038-23162-N         Petroleum Hydrocarbons (as Diesel)         200         76.5 UG/L         Detection           D3-PILO0162         162 Pilokea Lane         10/24/2023 D3-TW-001038-23162-N         Petroleum Hydrocarbons (as Diesel)         200			10/23/2023 D3-TW-0017507-23162-N-4	Petroleum Hydrocarbons (as Diesel)			
D3-OHAN0125         125 Ohana Nui Circle         10/23/2023 D3-TW-0010194-23162-3-N         Petroleum Hydrocarbons (as Diesel)         200         52.8 UG/L         Detection           D3-OHAN0125         125 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         93.9 UG/L         Detection           D3-OHAN0137         137 Ohana Nui Circle         10/23/2023 D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         93.9 UG/L         Detection           D3-OHAN0137         137 Ohana Nui Circle         10/24/2023 D3-TW-001038-23162-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         76.1 UG/L         Detection           D3-OHAN0832         832 Ohana Nui Circle         10/24/2023 D3-TW-0009525-23162-N         Petroleum Hydrocarbons (as Diesel)         200         76.1 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TW-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L <td></td> <td></td> <td>10/23/2023 D3-TW-0010204-23162-3-N</td> <td>Petroleum Hydrocarbons (as Diesel)</td> <td></td> <td></td> <td></td>			10/23/2023 D3-TW-0010204-23162-3-N	Petroleum Hydrocarbons (as Diesel)			
D3-OHAN0321         321 Ohana Nui Circle         10/23/2023 D3-TW-0010240-23162-N         Petroleum Hydrocarbons (as Diesel)         200         52.8 06/L         Detection           D3-OHAN0321         321 Ohana Nui Circle         10/23/2023 D3-TW-0015192-23162-N         Petroleum Hydrocarbons (as Diesel)         200         53.6 UG/L         Detection           D3-BLDG2104H         Building 2104H         10/23/2023 D3-TW-0015192-23162-N         Petroleum Hydrocarbons (as Diesel)         200         93.9 UG/L         Detection           D3-OHAN0137         137 Ohana Nui Circle         10/24/2023 D3-TW-0010201-23162-N         Petroleum Hydrocarbons (as Diesel)         200         97.7 UG/L         Detection           D3-PIL00162         162 Pilokea Lane         10/24/2023 D3-TW-0009525-23162-N         Petroleum Hydrocarbons (as Diesel)         200         76.5 UG/L         Detection           D3-OHAN0832         832 Ohana Nui Circle         10/24/2023 D3-TW-0010729-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TW-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TW-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection<				Petroleum Hydrocarbons (as Diesel)			
D3-BLG2104H         Building 2104H         10/23/2023 D3-TW-0015192-23162-N         Petroleum Hydrocarbons (as Diesel)         200         93.6 UG/L         Detection           D3-BLG2104H         Building 2104H         10/23/2023 D3-TW-0010201-23162-N         Petroleum Hydrocarbons (as Diesel)         200         93.9 UG/L         Detection           D3-OHAN0137         137 Ohana Nui Circle         10/24/2023 D3-TW-001038-23162-N         Petroleum Hydrocarbons (as Diesel)         200         77.7 UG/L         Detection           D3-OHAN0832         832 Ohana Nui Circle         10/24/2023 D3-TW-00103729-23162-N         Petroleum Hydrocarbons (as Diesel)         200         76.5 UG/L         Detection           D3-OHAN0832         832 Ohana Nui Circle         10/24/2023 D3-TW-0010729-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TW-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection				Petroleum Hydrocarbons (as Diesel)			
D3-DHA00137         137 Ohana Nui Circle         10/23/2023 D3-TW-0010201-23162-N         Petroleum Hydrocarbons (as Diesel)         200         97.7 UG/L         Detection           D3-0HA00137         132 Ohana Nui Circle         10/24/2023 D3-TW-0010338-23162-N         Petroleum Hydrocarbons (as Diesel)         200         77.7 UG/L         Detection           D3-0HA00832         832 Ohana Nui Circle         10/24/2023 D3-TW-00103525-23162-N         Petroleum Hydrocarbons (as Diesel)         200         76.5 UG/L         Detection           D3-0HAN0832         832 Ohana Nui Circle         10/24/2023 D3-TW-00102729-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-0HAN0832         FH 188         10/24/2023 D3-TW-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TW-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         64.4 UG/L         Detection							
D3-PILO0162         162 Pilokea Lane         10/24/2023 D3-TW-0010338-23162-N         Petroleum Hydrocarbons (as Diesel)         200         7.5 UG/L         Detection           D3-PILO0162         162 Pilokea Lane         10/24/2023 D3-TW-00003525-23162-N         Petroleum Hydrocarbons (as Diesel)         200         76.5 UG/L         Detection           D3-OHAN0832         832 Ohana Nui Circle         10/24/2023 D3-TW-0000525-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TW-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         64.4 UG/L         Detection							
D3-CHAN0832         832 Ohana Nui Circle         10/24/2023 D3-TW-0009525-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TU-00102729-23162-N         Petroleum Hydrocarbons (as Diesel)         200         63 UG/L         Detection           D3-HYD0188         FH 188         10/24/2023 D3-TU-0010272-23162-N         Petroleum Hydrocarbons (as Diesel)         200         64.4 UG/L         Detection							
D3-HYD0188         FH 188         10/24/2023         D3-DL-0017729-23162-N         Petroleum Hydrocarbons (as Diesel)         200         65.06/L         Detection           10/24/2023         D3-DL-0017729-23162-N         Petroleum Hydrocarbons (as Diesel)         200         64.4 UG/L         Detection							
D3-rrb0100 10/24/2023 D3-TW-0010227-23162-N Petroleum Hydrocarbons (as Diesel) 200 64.4 06/2 Detection							
				Petroleum Hydrocarbons (as Diesel)	200	64.4 UG/L	Detection
	05-0HAN0214						

.

Susan Pcola-Davis Testimony 2023 October\_November raw - Sheet1

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 306 Okika Street 10/24/2023 D3-TW-0009572-23162-N Petroleum Hydrocarbons (as Diesel) D3-OKIK0306 200 63.7 UG/L Detection 10/24/2023 D3-TW-0009788-23162-N D3-KOK00132 132 Kokomalei Street 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 10/24/2023 D3-DL-0017734-23162-N D3-HYD0520 FH 520 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 614 Thatcher Court 10/25/2023 D1-TW-0000833-23145-N D1-THAT0614 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 2921B Oliana Loop 10/25/2023 B1-TW-0017574-23147-N 81-OLIA2921B Petroleum Hydrocarbons (as Diesel) 200 66.7 UG/L Detection E1-MAK/0001 1 Makin Place 10/25/2023 F1-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 10/25/2023 D1-TW-0001202-23145-N D1-CVAL3309 3309C Valdez Place 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 10/25/2023 A3-DL-0017762-23157-N Petroleum Hydrocarbons (as Diesel) A3-SA-JFH-44 200 84.4 UG/L A3-HYD1743 Detection 10/25/2023 A3-DL-0017764-23157-N 200 65.1 UG/L A3-HYD663 SA-JFH-52 Petroleum Hydrocarbons (as Diesel) 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-IFH-78 10/25/2023 A3-DL-0017766-23157-N Petroleum Hydrocarbons (as Diesel) 200 86.8 UG/L Detection D1-WAG01712 1712 Wagoner Court 10/25/2023 D1-TW-0000978-23145-N Petroleum Hydrocarbons (as Diese!) 200 53.8 UG/L Detection 10/25/2023 A3-DL-0017768-23157-N A3-HYD920 SA-JFH-7 Petroleum Hydrocarbons (as Diesel) 200 77.7 UG/L Detection 73.2 UG/L D1-WAG01711 1711 Wagoner Court 10/25/2023 D1-TW-0000977-23145-N Petroleum Hydrocarbons (as Diesel) 200 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 10/25/2023 H1-TW-0013107-23147-A-R2 Petroleum Hydrocarbons (as Diesel) H1-MAMA4577 4577 Mamane Lane 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 4577 Mamane Lane 10/25/2023 H1-TW-0013107-23147-A-2 Petroleum Hydrocarbons (as Diesel) 200 85.7 UG/L H1-MAMA4577 Detection 10/26/2023 F1-TW-0008552-23155-N Petroleum Hydrocarbons (as Diesel) 200 51.6 UG/L F1-TAYL3446 3446 Taylor Street Detection F1-TOMI3216 3216 Tomich Court 10/26/2023 F1-TW-0008640-23155-N Petroleum Hydrocarbons (as Diesel) 200 54.8 UG/L Detection 3341 Ama Drive 10/26/2023 H1-TW-0013191-23147-A Petroleum Hydrocarbons (as Diesel) 200 90.1 UG/L Detection H1-AMA 3341 Petroleum Hydrocarbons (as Diesel) 55.3 UG/L FH ID: FH:609 10/26/2023 F1-DL-0017725-23155-N 200 Detection F1-HYD0609 200 92.5 UG/L F1-HYD028A FH ID: FH:28A 10/26/2023 F1-DL-0017722-23155-N Petroleum Hydrocarbons (as Diesel) 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 10/26/2023 F1-DL-0017723-23155-N Petroleum Hydrocarbons (as Diesel) 200 91.1 UG/L Detection F1-HYD029A FH ID: FH:29A D1-KAUF1514 1514 Kaufman Court 62.8 UG/L 10/26/2023 D1-TW-0000948-23145-N Petroleum Hydrocarbons (as Diesel) 200 Detection 10/26/2023 F1-DL-0000595-23155-N Petroleum Hydrocarbons (as Diesel) 200 97.7 UG/L Detection FH ID: FH-11A F1-HYD2134 Petroleum Hydrocarbons (as Diesel) 200 58.8 UG/L Detection F1-TAYI 3452 3452 Taylor Street 10/26/2023 F1-TW-0008555-23155-N 200 51.3 UG/L 10/26/2023 F1-TW-0008656-23155-N Petroleum Hydrocarbons (as Diesel) Detection F1-WARD5142 5142 Warden Court 85.6 UG/L F1-KIDD5009 5009 Kidd Street 10/27/2023 F1-TW-0008815-23155-N Petroleum Hydrocarbons (as Diesel) 200 Detection F1-TAYL3448 200 73.8 UG/L 3448 Taylor Street 10/27/2023 F1-TW-0008553-23155-N Petroleum Hydrocarbons (as Diesel) Detection 10/27/2023 11-TW-0014063-23130-A 83.8 UG/L 11-CONI1726 1726 Conifer Place Petroleum Hydrocarbons (as Diesel) 200 Detection 10/27/2023 G1-TW-0015397-23147-N Petroleum Hydrocarbons (as Diesel) 200 91.2 UG/L Detection G1-BLDG0500 **Building 500** G1-BLDG0080 Building 80 10/27/2023 G1-TW-0017523-23147-N Petroleum Hydrocarbons (as Diesel) 200 89.4 UG/L Detection 4523 Cakon Place 10/27/2023 F1-TW-0009170-23155-N Petroleum Hydrocarbons (as Diesel) 200 60.8 UG/L Detection F1-CAKO4523 10/27/2023 11-TW-0014073-23130-A Petroleum Hydrocarbons (as Diesel) 200 92.4 UG/L Detection 11-COW51604 1604 Cowslip Lane 10/30/2023 D2-TW-0007513-23157-N Petroleum Hydrocarbons (as Diesel) 200 91.4 UG/L Detection D2-FOXB1401 1401 Fox Boulevard 200 72.6 UG/L 10/30/2023 D2-TW-0007258-23157-N Detection 02-JULI0115 115 Julian Avenue Petroleum Hydrocarbons (as Diesel) 77.9 UG/L D3-OHAN0933 933 Ohana Nui Circle 11/2/2023 D3-TW-0009997-23162-N Petroleum Hydrocarbons (as Diesel) 200 Detection 837 McGrew Loop 200 61.9 UG/L B1-MCGR0837 11/2/2023 B1-TW-0009432-23147-N-R1 Petroleum Hydrocarbons (as Diesel) 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

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	11/27/2023 1:57:01 PM
on:	11/2//2020 1.07.0111

Meeting Date: November 27, 2023

I wish to provide (select from list)

#### **TESTIFIER INFORMATION**

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	Chair and Members Board of Water Supply City and County of Honolulu Honolulu, Hawaii 96843
SEPTEMBER	Honolulu, Hawaii 96843
30, 2023	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 30<sup>th</sup>, and is due and paid for the new fiscal year, July 1<sup>st</sup>. 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	Budget
	(millions)	(millions)
• Personnel	\$10.9	\$13.4
<ul> <li>Material, Supplies</li> </ul>		
& Services	\$22.4	\$26.4
•Equipment	\$ O	\$ 0.1
•Debt Service	\$ 10.5	\$ 6.9
• Utilities	\$ 8.3	\$ 8.0



# **OPERATING BUDGET VS ACTUAL**

FY2024 1<sup>ST</sup> 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)







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








# BOARD OF WATER SUPPLY

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#### R10211B BWSE0001

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

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	Current Month	%	Last Year	%	Description	Year to Date	%	Last Year to Date	%	%
-	Actual	Revenue	Actual	Revenue		Actual	Revenue	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	<b>REPAIR AND MAINTENANCE</b>	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

	******	Amounts	*****	**************************************	*****
Description	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)

R56BUD16

## Board Of Water Supply

10/10/2023 12:00:29

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# Budget vs Actual Appropriation Budget - Total BWS Summary

#### (\$000's)

#### CIFIS 24820-3021

BUSINESS UNIT ALL

OPER UNIT ALL

AS OF 9/30/2023

	YTD-TO	-DATE				FOR TH	IE FISCAL YI	EAR	
YTD Actuals	YTD Budget	Avail/ (Over)	%	Object Description	Revenues/ Expend	Open Encumb	Annual Budget	Avail/ (Over)	%
70,235	68,946	(1,289)	1.87-	REVENUE	70,235		263,060	192,825	73.30
				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 Utilities	34		415	381	91.81
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
61,794	63,779	1,985	3.11	TOTAL OPERATING EXPENDITURES	49,218	12,576	241,687	179,893	74.43
8,441	5,167	(3,274)		NET REVENUES (EXPENDITURES)	21,017	(12,576)	21,373	12,932	

### 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)	8,441	5,167	3,274



Total Operating Expenditures - \$61.8 As of September 30, 2023



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

Millions (\$000's)





"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	A	warded to Date	<b>Total Budgeted</b>
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		J	UL - 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

		Expend	Budget	
ltem #	Project Title	Туре	Amount	Awardeo
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	Contrac Amoun
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	Kahuailani 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





"November 27, 2023

CAPITAL	Chair and Members
IMPROVEMENT	Board of Water Supply
PROGRAM	City and County of Honolulu
QUARTER	Honolulu, Hawaii 96843
UPDATE	

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

"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.

Public Hearing and Regular Meeting Minutes

"November 27, 2023

WATER MAIN REPAIR REPORT FOR OCTOBER 2023	•		
	Chair and Me	embers:	
	Subject:	Water Main	Repair Report for October 2023
		•	ministrator, Field Operations Division, will work for the month of October 2023.
			Respectfully submitted,
		ls/	ERNEST Y. W. LAU, P.E Manager and Chief Engineer
	Attachment"		
	The foregoing	g was for inforr	nation only.
DISCUSSION:	The presenta	tion on this ite	m 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 PU REGULAR MEETING HELD WAS APPROVED AT THE D BOARD MEETING	ON NOV	EMBER	27, 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		

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

adril Z-ACHIL

APPROVED:

NĀ'ĀLĒHU ANTHONY Chair of the Board

DEC 18 2023

Date