MINUTES

THE REGULAR MEETING OF THE BOARD OF WATER SUPPLY

August 24, 2020

At 2:05 PM on August 24, 2020, in the Board Room of the Public Service Building at 630 South Beretania Street, Honolulu, Hawaii, Board Chair Andaya called to order the Regular Meeting.

Present:

Bryan P. Andaya, Chair

Kapua Sproat, Vice Chair via WebEx Max J. Sword, Board Member via WebEx Ray C. Soon, Board Member via WebEx

Ross S. Sasamura, Board Member, Ex-Officio via

WebEx

Jade T. Butay, Board Member, Ex-Officio via WebEx

Also Present:

Ernest Lau, Manager and Chief Engineer

Ellen Kitamura, Deputy Manager and Chief Engineer

via WebEx

Jason Takaki, Program Administrator,

Capital Projects Division via WebEx

Jennifer Elflein, Program Administrator,

Customer Care Division, via WebEx

Kathleen Elliott-Pahinui, Information Officer,

Communications Office, via WebEx

Raelynn Nakabayashi, Executive Assistant I,

Executive Support Office

Mike Fuke, Program Administrator,

Field Operations Division, via WebEx

Joseph Cooper, Waterworks Controller,

Finance Division, via WebEx

Michele Thomas, Executive Assistant I,

Human Resources Office, via WebEx

Henderson Nuuhiwa, Program Administrator,

Information Technology Division,

via WebEx

Michael Matsuo, Land Administrator,

Land Division, via WebEx

Erwin Kawata, Program Administrator,

Water Quality Division, via WebEx

Barry Usagawa, Program Administrator,

Water Resources Division, via WebEx

Kevin Ihu, Program Administrator, Water System

Operations Division

Deanna Thyssen, Executive Secretary via WebEx

Joy Cruz-Achiu, Board Secretary

Steven Norstrom, Information Specialist II,

Communications Office

Garon Hamasaki, Civil Engineer IV, Customer Care Division via WebEx Kathy Mitchell, Administrative Services Office II, Office of the Manager and Chief Engineer via WebEx

Others Present:

Jeff Lau, Deputy Corporation Counsel via WebEx Jessica Wong, Deputy Corporation Counsel via Conference Call

Absent:

REGULAR MEETING

Chair Bryan Andaya requested roll call for the Regular Meeting and stated that all of the Board Members, with the exception of himself, were attending remotely via WebEx. The Chair Andaya asked each Board Member to respond verbally when their names was called. Vice Chair Kapua Sproat, aye; Board Member Jade Butay, aye; Board Member Ross Sasamura, aye; and Board Member Max Sword, aye. Chair Andaya announced that Board Member Ray Soon would join the Board Meeting shortly.

Chair Andaya requested all attendees via conference call or WebEx to please take a moment to check their microphones and to stay muted unless intending to speak.

Chair Andaya also introduced those present in the Board room Manager Ernest Lau, Board Secretary Joy Cruz-Achiu, and Information Specialist Steven Norstrom. Executive Secretary Deanna Thyssen joined the Board Meeting via WebEx.

Before beginning, Chair Andaya stated the Board of Water Supply (BWS) is committed to being accessible and transparent, complying with the Sunshine Law while helping to prevent the spread of COVID-19. To help avoid the spread of COVID-19, the BWS is limiting the physical appearance at the Board Meeting to no more than five people at a time in the Board room; all other participants either join remotely or were in the hallway waiting for their turn to participate in the Board Meeting.

Chair Andaya shared the various ways submit testimony: Written testimony may be submitted by email to board@hbws.org, by fax to (808) 748-5079, mailed to Board of Water Supply, 630 S. Beretania St., Honolulu, HI 96843, or on-line at the boardofwatersupply.com/testimony, which were all due at noon today. If you have not had the chance to send in your testimony by email, fax, or mail, please feel free to do so. Telephone testimony is accepted by calling (808)748-6040, where you will be put in the queue and allowed to testify one at a time. Unfortunately, due to the pandemic, in-person testimony is suspended. Pursuant to HRS Section 92-7.5, Board Meeting materials available to view on our website at www.boardofwatersupply.com/boardmeeting.

Chair Andaya also announced the Board Meeting is broadcasted live on facebook.com/bwshonolulu/live and the BWS website at www.boardofwatersupply.com/live.

Chair Andaya reminded everyone that all of the Board Members, except for himself, were attending remotely. Joining by telephone were Deputy Corporation Counsel Mr. Jeff Lau and Ms. Jessica Wong.

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MEE.	TING	

Approval of the Minutes of the Regular Meeting held on June 22, 2020.

MOTION TO APPROVE

Ross Sasamura and Jade Butay motioned and seconded, respectively, to approve the Minutes Regular Meeting of June 22, 2020.

Chair Andaya asked if there was any discussion on the minutes. Being that there was no discussion, Chair Andaya requested that Ms. Joy Cruz-Achiu, Board Secretary, conduct the roll call vote.

Ms. Cruz-Achiu conducted the roll call vote: Vice Chair Kapua Sproat, aye; Board Member Ray Soon, absent; Board Member Max Sword, abstained, Board Member Ross Sasamura, aye; and Board Member Jade Butay, aye.

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

Chair Andaya stated he was also voting in favor of the Approval of the Minutes for the Regular Meeting held on June 22, 2020, and noted that Board Member Ray Soon was not present to vote. The motion passed with four ayes and one abstention.

At 2:15 PM, Chair Andaya announced that Board Member Ray Soon joined the Board meeting via WebEx.

THE MINUTES OF THE REGULAR MEETING HELD ON JUNE 22, 2020, WERE APPROVED AT THE AUGUST 24, 2020 BOARD MEETING				
	AYE	NO	ABSTAINED	COMMENT
BRYAN P. ANDAYA	Х			
KAPUA SPROAT	x			
RAY C. SOON				ABSENT
MAX J. SWORD			х	
ROSS S. SASAMURA	х			
JADE T. BUTAY	x			

AUTHORIZING A PUBLIC HEARING TO CONSIDER A PROPOSED Chair and Members Board of Water Supply City and County of Honolulu Honolulu, Hawaii 96843

AMENDMENT TO

ITS FISCAL

YEAR 2020-2021 CAPITAL

IMPROVEMENT PROGRAM BUDGET Chair and Members:

Subject:

Authorizing a Public Hearing to Consider a Proposed Amendment to its Fiscal Year 2020-2021 Capital Improvement Program Budget

We recommend that the Board authorize a public hearing to be held at 2:00 p.m. on Monday, September 28, 2020, to consider the resolution to adopt the proposed Amended Capital Improvement Program Budget for the fiscal year beginning July 1, 2020 and ending June 30, 2021.

Attached is the draft of the "Notice of Public Hearing" to be published prior to the hearing date.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

Ms. Raelynn Nakabayashi, Executive Assistant I, Executive Support Office, gave the report.

Vice Chair Kapua Sproat inquired if the Public Hearing on September 28, 2020, would be held before the Regular Meeting.

Manager Ernest Lau responded that the Public Hearing and public testimony would commence before the Regular Meeting, once the Public Hearing has closed, the Regular Meeting will convene. In the Regular Meeting, the Board would take action to approve or disapprove to hold the Public Hearing.

Board Member Ray Soon asked to explain the difference between the Improvement Fund and the Special Expenditure Fund.

Manager Lau responded that the Special Expenditure Fund is money collected from the BWS customers paying for their water system facility charge, also known as impact fees. The Improvement Fund is revenue bonds issued by the BWS to pay for projects.

Manager Lau stated the Kalawahine project is funded by the Special Expendable Fund.

Board Member Soon inquired if there were any costs to the BWS to reprogram the money for the Kalawahine program.

Ms. Raelynn Nakabayashi replied, no, it does not cost anything to move this project into this Fiscal Year 2021 (FY21). In the previous fiscal year (Fiscal Year 2020), the funds appropriated for this project were not awarded as planned due to the bids received exceeded the funding available. The BWS is contemplating splitting the project into two packages, project 53A, which would be the reservoir construction with a connecting pipeline, and 53B, the remaining pipeline. In doing so, the BWS is hoping to see lower overall project costs. At this time, no final decisions have been made.

Manager Lau confirmed that when the bid was posted in Fiscal Year 2020 (FY20) for the Kalawahine project, all bids were above budget from large contractors. By cutting them into two, the reservoir with some pipeline and the connecting pipeline, the BWS anticipates a broader range of contractors to bid with competitive pricing. The decision will be made upon the Boards approval.

Board Member Soon commented, he liked the concept. However, by splitting the project into two, there is a possibility that the BWS may encounter complications with the improvements, and there could be a concern the contractor may be at fault.

Manager Lau stated it's a more complex project and takes a lot of coordination. The project involves two types of contractors, one that can do extensive site improvements to the two-million-gallon tank reservoir and one that specializes in pipeline work. This could also give an advantage to contractors with competitive pricing.

Board Member Soon inquired when the Manana building was built, a breezeway was incorporated in the design, but now there are plans to enclose it. What would be the purpose of enclosing the breezeway, and does the BWS foresee any problems doing so?

Ms. Nakabayashi replied the breezeway is currently being used as a break area for the employees. Enclosing the breezeway will remove the current break area. However, the Manager has requested that in the new design, a break area be included to accommodate the staff. We will have to include utility connections into the area being enclosed.

Manager Lau stated that when the building was built many years ago, the breezeway was built into the design. The breezeway space is an ideal area to create more space for a laboratory and back-up Supervisory Control and Data Acquisition room (SCADA). Currently, the breezeway has picnic tables; however, during the COVID-19, the BWS does not condone the staff to congregate at the tables. The BWS did an alternative

analysis and found that enclosing the breezeway was the better option than building a new building.

Board Member Soon inquired about the circulation issues and entrance into the building.

Manager Lau explained entrance and exits are located on the sides of the building through stairwells.

Chair Bryan Andaya asked to explain funds lapsed regarding the BWS Special Expendable Funds.

Ms. Nakabayashi explained that in FY 2019-2020, the BWS did not award or encumber appropriated 12.83 million dollars for the Kalawahine reservoir project; therefore, the funding was not used and lapses back into the Special Expendable Fund.

Chair Andaya asked is there are any conditions attached and if the funds remain in the account.

Ms. Nakabayashi explained that the Special Expendable Fund is made up of the proceeds of water system facility charges and can only be used for capacity expansion projects. The money remains in the account with the condition it be used for capacity expansion projects.

Manager Lau described the types of capacity expansion projects include storage compacity, source capacity, pipeline and transmission capacity.

Manager Lau mentioned with the Board's approval, and the impact fees payment, as well as the charges waived for the Affordable Housing and Homeless Units, are contributed and accumulated in the Special Expendable Fund.

Chair Andaya asked would the BWS lose the funds should it lapse, such as the way Federal Funding is set up.

Manager Lau replied, no, like the BWS Operating Budget, if the funds are not spent or encumbered by the end of the current fiscal year, they are carried forward to the next fiscal year.

Chair Andaya asked if it's more of a deferral versus a lapse.

Manager Lau responded, it's not an actual lapse and lost of funds.

Ms. Nakabayashi explained the only funds appropriated in FY 2020 that have a set time constraint to be encumbered or expended are the Improvement Funds, which are the revenue bonds issued and must be used within a specific time frame. If the Operating Funds and the Special Expendable Funds are not used when appropriated, they may be reappropriated and used in a subsequent fiscal year.

Chair Andaya inquired about the Makakilo adjustment.

Ms. Nakabayashi explained the Makakilo Water System Improvement Project Part III is an on-going construction project. Since the project started, there have been new paving requirements imposed by the Departments of Design and Construction and Facility Maintenance that were unknown to the BWS at the time of the award. The BWS will have to process a change order to our contractor to include the additional requirements that will increase the project cost by 1.5 million dollars.

Chair Andaya reaffirmed due to the discoveries that were unknown by the BWS during estimates, and when bids were final, there is a cost increase.

Manager Lau mentioned when the project started; the BWS was not aware of the conditions.

Board Member Ross Sasamura and Vice Chair Kapua Sproat motioned and seconded, respectively Authorizing a Public Hearing to Consider a Proposed Amendment to its Fiscal Year 2020-2021 Capital Improvement Program Budget.

Chair Andaya asked if there were any further comments or discussion. There were none.

Chair Andaya noted that there were no testimony by phone or otherwise. Being that there were no further discussion or testimony, Chair Andaya requested that Ms. Cruz-Achiu, conduct the roll call vote.

Ms. Joy Cruz-Achiu conducted the roll call vote. Vice-Chair Kapua Sproat, aye; Board Member Ray Soon, aye; Board Member Ross Sasamura, aye; Board Member Jade Butay, aye; Board Member Max Sword; and Chair Bryan Andaya, aye.

Ms. Cruz-Achiu announced that the motion passed with six ayes.

AUTHORIZING A PUBLIC HE AMENDMENT TO ITS FISCAL IMPROVEMENT PROGRAM I	YEAR	2020-		
	AYE	NO	ABSTAINED	COMMENT
BRYAN P. ANDAYA	X			
KAPUA SPROAT	Χ_			
RAY C. SOON	х			<u>.</u>
MAX J. SWORD	х	_		
ROSS S. SASAMURA	х			_
JADE T. BUTAY	X.		<u> </u>	

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that the BOARD OF WATER SUPPLY, CITY AND COUNTY OF HONOLULU, will hold a PUBLIC HEARING in the Board Room, Public Service Building, 630 South Beretania Street, on Monday, September 28, 2020, at 2:00 p.m. or soon thereafter, where all interested persons shall be afforded the opportunity of being heard, while complying with all directives from the Governor of the State of Hawaii and the Mayor of the City and County of Honolulu, on the adoption of the proposed Amendment to the Fiscal Year (FY) 2020-2021 Capital Improvement Program Budget of the Board of Water Supply for the fiscal year beginning July 1, 2020 and ending June 30, 2021.

Information to be discussed at the public hearing will be made available online at www.boardofwatersupply.com All comments on or suggested changes to the proposed Amended FY 2020-2021 Capital Improvement Program Budget of the Board of Water Supply can be submitted by Testimony.

Testimony can be submitted as follows:

- Written testimony may be emailed to <u>board@hbws.org</u> or faxed to (808) 748-5079.
 Testimony is due by Monday, September 28, 2020, at noon. Written testimonies should include the submitter's address, email address, and phone number. Written testimony will be posted to the BWS website at <u>boardofwatersupply.com</u>.
- Mail written testimony to Board of Water Supply, 630 S. Beretania St., Honolulu, HI 96843. Testimony is due by Monday, September 28, 2020, at noon.
- On-line testimony will be accepted at <u>boardofwatersupply.com/testimony</u> Fill out the testimony form. Due by Monday, September 28, 2020, at noon.
- Telephone testimony will be accepted during the meeting at (808) 748-6040.
 Callers will be placed in a queue and brought up to testify one at a time.
- In-person testimony will not be accepted.

Testimony is limited to two (2) minutes and shall be presented by the registered speaker only.

Any person requiring special assistance may contact Luella Paekukui at 748-5176, no later than September 22, 2020, so that appropriate accommodations can be provided.

BOARD OF WATER SUPPLY CITY AND COUNTY OF HONOLULU





Proposed Amendment to the Fiscal Year 2020-2021 Capital Improvement Program Budget

August 24, 2020





Resolution 910, 2020

Adopting the Operating and Capital Improvement Budget for the Fiscal Year 2020-2021 and Appropriating Funds Therefor

- Operating Budget:
 - \$207,848,937 (Operating Fund)
- Capital Improvement Program Budget:
 - \$63,627,500 (Operating Fund)
 - \$72,980,000 (Improvement Fund)
 - \$33,520,000 (Special Expendable Fund)
 - TOTAL **\$170,127,500**





Proposed Amendment to the FY2020-2021 CIP Budget

	Res 910, 2020	Proposed	Net Change
Operating			
Operating Fund	207,848,937	207,848,937	-
Capital Improvement Program			
Operating Fund	63,627,500	69,127,500	5,500,000
Improvement Fund	72,980,000	77,600,000	4,620,000
Special Expendable Fund	33,520,000	54,860,000	21,340,000
TOTAL	170,127,500	201,287,500	31,460,000





CIP - Operating Fund

Project Line Item	Res 910, 2020	Proposed	Net Change
(51) Haiku Stairs Removal	100,000	-	(100,000)
(NEW) Manana Base Yard Lab and Control Center Expansion		3,000,000	3,000,000
Construction Cost Index Account	3,592,500	3,892,500	300,000
Contract Adjustment Account	15,000,000	17,300,000	2,300,000
TOTAL			5,500,000

The increase in Operating Funds budgeted in the CIP of \$5.5M dollars will reduce the ending Operating Fund balance from \$23.6M to \$18.0M.

This equates to 32 Days of Working Capital

This calculation does not account for the \$12M ProFi funds available to the BWS from the State of Hawaii DWSRF Program. If \$12M in funds are received, Working Capital would be adjusted to <u>53 Days</u>

Safe, dependable, and affordable water now and into the future



Haiku Stairs Transfer to City



The Board of Water Supply (BWS) has transferred ownership of Ha'ikū Stairs and all the land around it to the City and County of Honolulu. The transfer is official as of, July 1, 2020. City will now be responsible to maintain security until an operator is chosen.

Manager Ernest Lau stated, "We are pleased to have our Board make a decision that allows us to move forward and ultimately remove liability from BWS. We have been working closely with the City to ensure a smooth transition of responsibilities".

"Haiku Stairs is world famous as one of the most breathtaking hikes in the world," said Honolulu Mayor Kirk Caldwell, in a statement. "I'm very pleased that we will be able to save this treasured site from being torn down."





Manana Corp. Yard Lab and Control Center Expansion

Increases FY2020-2021 CIP by \$3.3M

- The pandemic has forced us to modify our operations.
 Secondary/backup sites are needed to maintain operations and the health and safety of our staff and ensure the protection of our drinking water
- The BWS executed a Design Contract for this project in June and is applying for CARES funding to cover the design cost.
- The Design is being expedited and will be complete by December 2020.

Safe, dependable, and affordable water now and into the future













Contract Adjustments Account

Increases FY2020-2021 CIP by \$2.3M

The Contract Adjustment Account is used to provide additional funding for other CIP projects and to provide funding for contract change orders to previously awarded contracts.

The original budget of \$15M did not account for the following contract changes:

- \$150,000 Energy Savings Performance Contract
- \$150,000 Ewa Shaft
- \$500,000 Kalaeloa Desalination
- \$1,500,000 Makakilo Water System Improvements, Part III





CIP – Improvement Fund

Project Line Item	Res 910, 2020	Proposed	Net Change
(NEW) Lanikai Water System Improvements, Part II	-	4,200,000	4,200,000
Construction Cost Index Account	6,130,000	6,550,000	420,000
TOTAL			4,620,000

The increase in Improvement Funds budgeted in the CIP of \$4.62M dollars is covered by excess proceeds from the FY2019-2020 Bond Issuance.

This DOES NOT increase the "New Money" needed to finance FY2020-2021 Projects.





Lanikai Water System Improvements, Part II

Increases FY2020-2021 CIP by \$4.62M

Total length of pipe to be replaced: 3,400 linear feet

Estimated construction cost: \$4,620,000.00

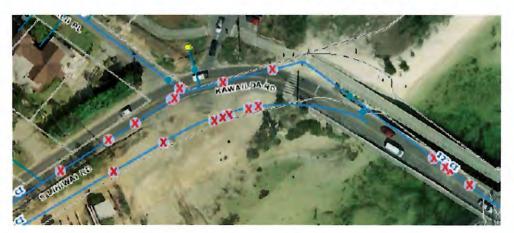


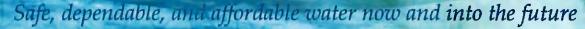




Purpose/Benefit

- Project requested by Field Operations based on their assessment of existing pipe condition
- Ages of existing mains are undetermined for most of pipelines being replaced, other parts were installed in 1944 (age: 76 years)
- · Repair concerns:
 - Some mains are 10-inch diameter (non-Standards size)
 - Some mains are asbestos-concrete pipe
 - ❖ Repair of pipe crossing Kaelepulu Stream has major traffic impact
- At start of design, 40 recorded main failures within project limits

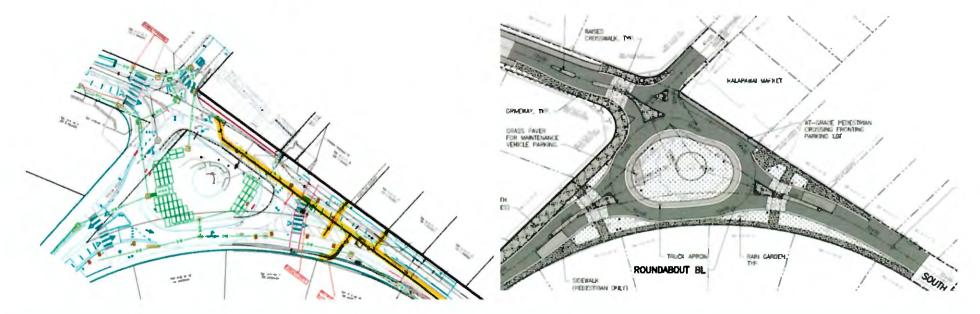






Purpose/Benefit Continued

- Portion of project conflicts with upcoming City Department of Transportation Services (DTS) Complete Streets project where Kailua Road meets South Kalaheo Avenue
- DTS cannot delay their project due to Federal Funding but agreed to coordinate with BWS to allow completion of the conflicting water main work prior to construction of their roundabout





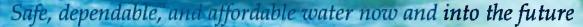


CIP – Special Expendable Fund

Project Line Item	Res 910, 2020	Proposed	Net Change
(53A) Kalawahine 180 2.0 MG Reservoir	17,000,000	18,200,000	1,200,000
(53B) Kalawahine 180 2.0 MG Connecting Pipelines		18,200,000	18,200,000
Construction Cost Index Account	1,700,000	3,640,000	1,940,000
TOTAL			21,340,000

The increase in Special Expendable Funds budgeted in the CIP of \$21.34M dollars is within the available Fund Balance.

This includes the re-budgeting of Sp Ex Fund amounts lapsed in Prior Fiscal Years.





Kalawahine 180 2.0MG Reservoir

Increases FY2020-2021 CIP by \$21.34M

DESCRIPTION: Install 2.0 MG reservoir and appurtenances (TMK: 2-4-043:082) and 24-inch main along Auwaiolimu Street and Pensacola Street to Kinau Street - approx. 4,700 lin. ft.

This project was initially budgeted over two Fiscal Years:

FY2019-2020: \$12,830,000 [LAPSED]

FY2020-2021: \$18,700,000

\$31,530,000

Contract Award was not made in FY2019-2020. Funds are being re-budgeted in FY2020-2021 at an amount sufficient to make the full award (\$40.04M).



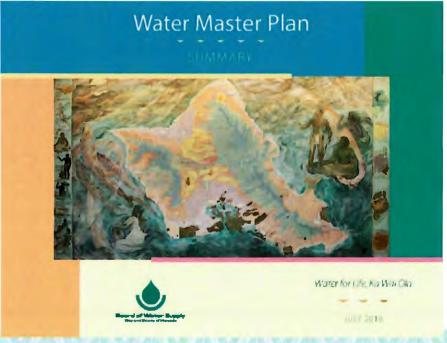


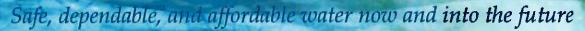
Purpose/Benefit

 The Approved 2016 BWS Water Master Plan states that the Metro Low system has the most significant current and future storage needs totaling 60 MG. Alternatives to meet these needs include new storage in Honolulu, new wells between Honolulu and Kahala to meet peak demands, locating new infrastructure to the west of Metro Low due to limited availability of land, or a combination of these

alternatives.

 This project will provide an additional 2.0 MG of storage which will improve water system performance and reliability to meet max day domestic demand & fire protection especially in emergency situations







Proposed Amendment to the FY2020-2021 CIP Budget

	Res 910, 2020	Proposed	Net Change
Operating			
Operating Fund	207,848,937	207,848,937	_
Capital Improvement Program			
Operating Fund	63,627,500	69,127,500	5,500,000
Improvement Fund	72,980,000	77,600,000	4,620,000
Special Expendable Fund	33,520,000	54,860,000	21,340,000
TOTAL	170,127,500	201,287,500	31,460,000



THANK YOU!

ADOPTION OF RESOLUTION NO. 912, 2020 KEVIN IHU, 2020 MANAGER OF THE YEAR Chair and Members Board of Water Supply City and County of Honolulu Honolulu, Hawaii 96843

Chair and Members:

Subject: Adoption of Resolution No. 912,2020,

Kevin Ihu, 2020 Manager of the Year

We are pleased to announce that the 2020 Manager of the Year for the Board of Water Supply is Mr. Kevin Ihu. He is Program Administrator for the Water System Operations Division.

We recommend the adoption of Resolution No. 912,2020, to honor Mr. Kevin Ihu for his outstanding service, contributions, and dedication to the Board of Water Supply.

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: Manager Ernest Lau read Resolution No. 912, 2020.

Chair Andaya asked for a motion to adopt the resolution.

MOTION TO ADOPT Ray Soon and Ross Sasamura motioned and seconded respectively, the Adoption of Resolution 912, 2020, Kevin Ihu, 2020 Manager of the Year.

In recognition as BWS 2020 Manager of the Year, Chair Andaya and Manager Lau presented Mr. Ihu with a lei, a plaque, and a framed signed resolution.

Mr. Ihu expressed his appreciation.

Chair Andaya asked if there are any further comments or discussion.

Board Member Soon thanked Mr. Ihu for his commitment and hard work. He believes that it is important to recognize an individual's outstanding service.

Being that there were no further comments or discussion Chair Andaya requested that Ms. Cruz-Achiu, conduct the roll call vote.

Ms. Cruz-Achiu conducted the roll call vote. Vice-Chair Kapua Sproat, aye; Board Member Ray Soon, aye; Board Member Max Sword; Board Member Ross Sasamura, aye; Board Member Jade Butay, aye; and Chair Bryan Andaya, aye.

Ms. Cruz-Achiu announced that the motion passed with six ayes.

Chair Andaya expressed his gratitude and congratulated Mr. Ihu as Manager of the Year.

ADOPTION OF RESOLUT MANAGER OF THE YEAR				
	AYE	NO	ABSTAINED	COMMENT
BRYAN P. ANDAYA	x			
KAPUA SPROAT	х			
RAY C. SOON	х			
MAX J. SWORD	X			
ROSS S. SASAMURA	х			
JADE T. BUTAY	×			

Adopted this 24th day of August 2020 Board of Water Supply, Honolulu, Hawaii

> BRYAN P. ANDAYA Chair of the Board



BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 912, 2020

KEVIN IHU 2020 MANAGER OF THE YEAR

WHEREAS, KEVIN IHU, Program Administrator of the Water System Operations Division (WSO), has been selected as the Board of Water Supply (BWS) Manager of the Year for 2020; and

WHEREAS, this is an honor that also personifies the Henry Perrine Baldwin High School maroon and blue alma mater fair and true, MAUI REPRESENT; and

WHEREAS, MR. IHU successfully leads a division of three distinct branches (Plant Operations, Telecommunications, and Automotive) by facilitating an environment that motivates all 106 staff members to stand together as a unified team to supply safe drinking water to the residents and businesses throughout Oahu; and

WHEREAS, MR. IHU is a high-integrity, self-motivated, and supportive leader who is driven to see his team succeed. He unequivocally has the respect and trust of his team because he is a role model type leader who can be counted on to assist in the field whenever a crisis comes up; and

WHEREAS, MR. IHU has provided much needed support and confidence in newer staff and staff supervisors by working with them to develop innovative projects to upgrade the BWS's water treatment and monitoring systems; and

WHEREAS, MR IHU is tireless and relentless in his pursuit of water industry technological advancements so the BWS can be on the cutting-edge to improve its services on Oahu; and

WHEREAS, in his capacity as the Chair of the American Water Works Association-Hawaii Section and Board President of the Hawaii Rural Water Association, MR IHU volunteers countless hours helping smaller and less developed water organizations by sharing his experiences and knowledge; and

WHEREAS, KEVIN IHU has proven himself to be a dedicated, dependable, and skillful manager who leads by example and personifies attributes that employees desire in their leaders, earning the respect of his subordinates, colleagues, and BWS management; and

WHEREAS, MR. IHU's selection as the 2020 BWS Manager of the Year and his nomination as a City Manager of the Year has brought pride and honor to the BWS and all his family and friends; now, therefore

BE IT RESOLVED by the Members of the Board of Water Supply, City and County of Honolulu, that we hereby do express to KEVIN IHU our heartfelt appreciation for his outstanding service to the Department and to the City and County of Honolulu; and

BE IT FURTHER RESOLVED that the Members of this Board express our sincere congratulations upon his selection as the Board of Water Supply Manager of the Year for 2020; and

BE IT FINALLY RESOLVED that a copy of this Resolution be presented to MR. IHU with our warmest aloha and best wishes for all his future endeavors.



Resolution No. 912, 2020

Adopted this 24th day of August 2020 Board of Water Supply, HonoIulu, Hawaii

BRYAN P. ANDAYA

Chair of the Board

ADOPTION OF RESOLUTION NO. 913. 2020 STELLA BERNARDO. 2020 EMPLOYEE OF THE YEAR

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

Chair and Members:

Subject:

Adoption of Resolution No. 913,2020,

Stella Bernardo, 2020 Employee of the Year

We are pleased to announce that a 2020 Employee of the Year for the Board of Water Supply is Ms. Stella Bernardo. She is an Information Specialist II in the Communications Office.

We recommend the adoption of Resolution No.913,2020, to honor Ms. Stella Bernardo for her outstanding service, contributions, and dedication to the Board of Water Supply.

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

Manager Ernest Lau read Resolution No. 913, 2020.

Vice Chair Kapua Sproat expressed her gratitude and congratulated Ms. Bernardo as Employee of the Year (EOY). Vice Chair Sproat stated that Ms. Bernardo developed a platform that allowed social distancing for the Board to meet seamlessly during the pandemic, which cannot be said for other state and county boards and commissions. Vice Chair Sproat added that other agencies look to the BWS model as the best practice and what should be done, in particular, to ensure public participation during this time when there is a need to practice proper social distancing.

Ms. Bernardo expressed appreciation for the compliments and congratulations.

Chair Andaya asked for a motion to approve.

MOTION TO ADOPT

Kapua Sproat and Max Sword motioned and seconded, respectively, the Adoption of Resolution 913, 2020 Stella Bernardo, 2020 Employee of the Year.

In recognition as BWS 2020 Employee of the Year, Chair Andaya and Manager Lau presented Ms. Bernardo with a lei, a plaque, and a framed signed resolution.

Regular Session Minutes

Page 11 of 31

Chair Andaya asked if there were any further comments or discussion. Being that there were no further discussion or testimony, Chair Andaya requested that Ms. Cruz-Achiu, conduct the roll call vote.

Ms. Cruz-Achiu conducted the roll call vote. Vice Chair Kapua Sproat, aye; Board Member Ray Soon, aye; Board Member Max Sword; Board Member Ross Sasamura, aye; Board Member Jade Butay, aye; and Chair Bryan Andaya, aye.

Ms. Cruz-Achiu announced that the motion passed with six ayes.

Chair Andaya expressed his gratitude for Ms. Bernardo's excellent work and echoed Vice Chair Sproat compliments. As Chair, I speak for the whole Board of Water Supply; we are very proud to be part of this agency.

ADOPTION OF RESOLUT 2020 EMPLOYEE OF THE				
	AYE	NO	ABSTAINED	COMMENT
BRYAN P. ANDAYA	х			
KAPUA SPROAT	х			
RAY C. SOON	x			
MAX J. SWORD	х			
ROSS S. SASAMURA	X			
IADET BUTAY	Y			

Adopted this 24th day of August 2020 Board of Water Supply, Honolulu, Hawaii

> BRYAN P. ANDAYA Chair of the Board



BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 913, 2020

STELLA BERNARDO 2020 EMPLOYEE OF THE YEAR

WHEREAS, STELLA BERNARDO, an Information Specialist II with the Communications Office, has been a dedicated and exceptional employee since she joined the Board of Water Supply (BWS) in November 2015 and has been selected as a 2020 BWS Employee of the Year; and

WHEREAS, MS. BERNARDO's expertise and work to adapt and apply cost-effective, appropriate technology solutions at the BWS has been instrumental in improving agency operations, transparency, and accessibility; and

WHEREAS, STELLA BERNARDO has influenced and advanced the BWS's use of technology in many ways, such as strengthening its communications with Oahu's water users through expanded use of video production, social media, and other digital platforms; enabling the BWS to better serve its employees and customers through the most useful digital products and services; and enhancing the department's emergency preparedness capabilities through her work to establish and grow the BWS's amateur (ham) radio club; and

WHEREAS, MS. BERNARDO is well-respected by employees department-wide for her pleasant and patient ways, and especially for her willingness to assist when needed despite her own heavy workload, and her numerous and outstanding accomplishments contribute to the Department's ability to fulfill its mission to provide safe, reliable, and affordable water now and into the future; and

WHEREAS, STELLA BERNARDO has been selected as a 2020 Board of Water Supply Employee of the Year and will go on to represent BWS in the upcoming City Employee of the Year Recognition Ceremony, bringing pride and honor to the Department, her family, and friends; now, therefore

BE IT RESOLVED by the Members of the Board of Water Supply, City and County of Honolulu, that we do hereby express to STELLA BERNARDO our sincere appreciation for her outstanding service to the Department and to the City and County of Honolulu; and

BE IT FURTHER RESOLVED that the Members of this Board express to STELLA BERNARDO our sincere congratulations upon her selection as a Board of Water Supply Employee of the Year for 2020; and

BE IT FINALLY RESOLVED that this Resolution be presented to MS. BERNARDO with our heartfelt aloha and best wishes for success in all her future endeavors.

Resolution No. 913, 2020

Adopted this 24th day of August 2020 Board of Water Supply, Honolulu, Hawaii

BRYAN P. ANDAYA

Chair of the Board

ITEM FOR INFORMATION NO. 1,

"August 24, 2020

UPDATE ON TRANSFER OF HAIKU STAIRS TO THE CITY AND COUNTY OF HONOLULU Chair and Members Board of Water Supply City and County of Honolulu Honolulu, Hawaii 96843

Chair and Members:

Subject: Update on Transfer of Haiku Stairs to the City and County of Honolulu

As of July 1, 2020, Haiku Stairs and the parcel of land on which they are located were officially transferred from the Board of Water Supply (BWS) to the City Department of Parks and Recreation. Attached is the memorandum approving the transfer, which was signed by Mayor Caldwell on June 3, 2020.

Originally, BWS security guards were posted at the base of Haiku Stairs to prevent hikers from climbing the stairs. Due to personnel safety reasons, BWS stopped posting a security guard at the base of Haiku Stairs on May 4, 2020 and instead began using Honolulu Police Department (HPD) special duty officers to prevent hikers from trespassing through private property in the Haiku Villages and Hokulele subdivisions to reach the stairs. In anticipation of the transfer of Haiku Stairs, BWS suspended the use of HPD special duty officers on June 30, 2020.

Lastly, BWS withdrew its request to the State Department of Transportation (SDOT) to use the H-3 Service Road. The service road was being used by BWS security guards to access Haiku Stairs. If the City wants to use the service road as part of any concession to open Haiku Stairs to the public, they'll have to submit a new request to SDOT.

This summarizes the current status of the transfer of Haiku Stairs.

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: M

Mr. Michael Matsuo, Land Administrator, Land Division, gave the report.

Board Member Soon asked if BWS is liable or responsible for any of the on-going security at the Haiku stairs since the transfer.

Mr. Matsuo responded the BWS stopped security and Honolulu Police Department (HPD) services as of June 30, 2020. Since then, the City Department of Parks and Recreation has hired the HPD Special Duty officers to check on the subdivisions surrounding the base of Haiku Stairs.

Chair Andaya asked if there were any further questions or discussion. Chair Andaya thanked everyone that participated in this long journey and stated that the transfer appears to be official.

Manager Lau confirmed that the transfer of Haiku Stairs was official as of July 1, 2020.

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU 630 SOUTH BERETANIA STREET HONOLULU, HI 96843 www.boardofwatersupply.com



KIRK CALDWELL, MAYOR

BRYAN P. ANDAYA, Chair KAPUA SPROAT, Vice Chair KAY C. MATSUI RAY C. SOON MAX J. SWORD

ROSS S. SASAMURA, Ex-Officio JADE T. BUTAY, Ex-Officio

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

ELLEN E. KITAMURA, P.E. Deputy Manager and Chief Engineer

MEMORANDUM

TO:

THE HONORABLE KIRK CALDWELL, MAYOR

VIA:

ROY K. AMEMIYA, JR., MANAGING DIRECTOR

MICHELE K. NEKOTA, DIRECTOR

DEPARTMENT OF PARKS AND RECREATION

FROM:

ERNEST Y. W. LAU, P.E., MANAGER AND CHIEF ENGINEER BOARD OF WATER SUPPLY

SUBJECT:

TRANSFER OF JURISDICTION AND CONTROL OF THAT CERTAIN PARCEL OF LAND SITUATE AT HEEIA, KOOLAUPOKO, OAHU.

BEARING TAX MAP KEY (1) 4-6-015:011 FROM THE BOARD OF

WATER SUPPLY TO THE DEPARTMENT OF PARKS AND

RECREATION

The Board of Water Supply (BWS) requests your approval for the Department of Parks and Recreation (DPR) to accept from BWS the jurisdictional transfer and control of the subject parcel of land that contains the Haiku Stairs.

BACKGROUND INFORMATION

At its meeting on April 27, 2020, BWS approved the transfer of the subject parcel, which is comprised of Lot Q-3-E-2 that has an area of 168.449 acres and Lot Q-3-B-1 that has an area of 56.307 acres. Both lots are shown on Map 230, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application No. 1100 of the Trustees under the Will and of the Estate of Bernice Pauahi Bishop. Deceased. Please find attached a copy of Map 230, as well as a Status Report for the subject parcel dated November 3, 2016 that was prepared for BWS by Title Guaranty of Hawaii, Inc.

TRANSFER

Upon your approval, the subject parcel will be transferred from BWS to DPR in an "as is" condition; and BWS will withdraw its current request to the Honolulu Police

Memo to the Honorable Kirk Caldwell, Mayor May 27, 2020 Page 2

Department for special duty officers to help prevent trespassers from accessing Haiku Stairs. DPR is agreeable to the transfer of the subject parcel under these conditions.

To facilitate our respective planning and budgeting efforts for Fiscal Year 2021, BWS further requests that the transfer of the subject parcel be approved no later than June 30, 2020.

If you have any questions, please contact Michael Matsuo of our Land Division at 748-5951.

TRANSFER RECOMMENDED:

TRANSFER RECOMMENDED:

Michelle K. Nekota, Director Department of Parks and Recreation Roy K. Amemiya, Jr. Managing Director

APPROVED

APPROVED:

Paul S. Aoki, Acting Corporation Counsel

Department of Corporation Counsel

Kirk Caldwell

Mayor

Attachments

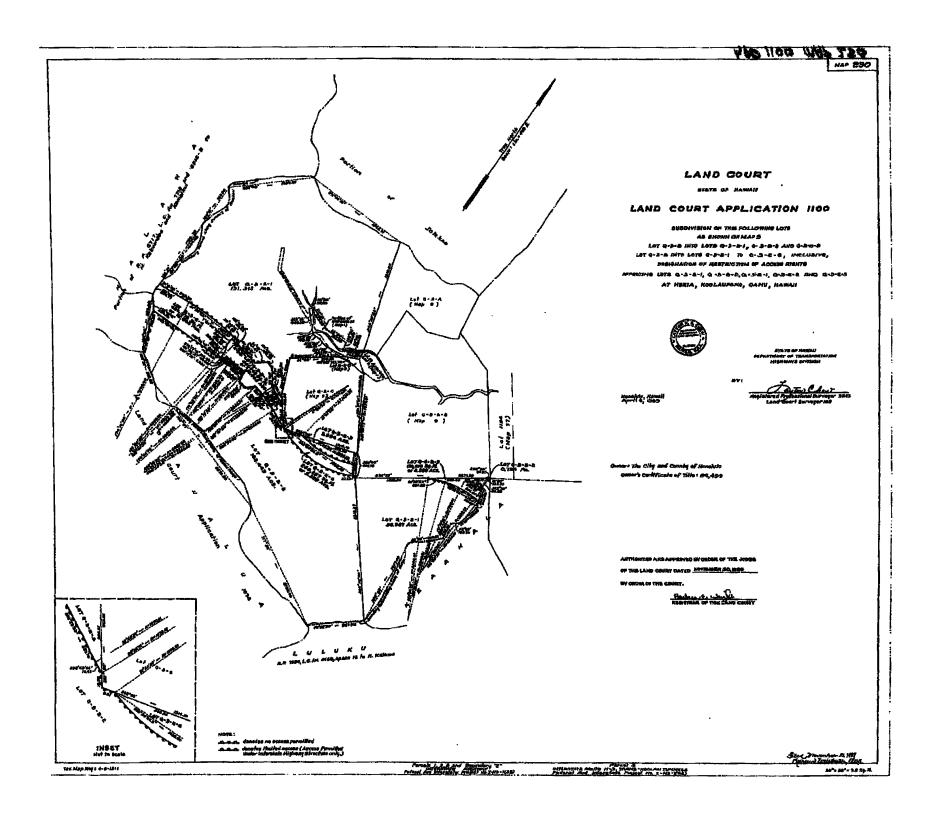
Cc: Sandra S. Pfund, Department of Land Management

Nelson H. Koyanagi, Jr., Department of Budget and Fiscal Services

Dawn Spurlin, Department of Corporation Counsel

Jeff Lau, Department of Corporation Counsel

Brian Andaya, Board of Water Supply



ITEM FOR INFORMATION NO. 2

"August 24, 2020

FINANCIAL UPDATE FOR THE QUARTER

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

ENDED

JUNE 30, 2020

Chair and Members:

Subject:

Financial Update for the Quarter Ended June 30, 2020

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

•e Budget vs Actual Revenue and Expense Totalse

•e Statement of Revenues, Expenses and Change in Net Assetse

•e **Balance Sheete**

•e Budget vs Actual Appropriation Budget – Total BWS Summarye

Graph Representing Operating Expenditures by Categorye •e

Graphs of Total Budgeted Operating Expenditures and Totale •e

Budgeted Operating Revenuese

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

Mr. Joseph Cooper, Waterworks Controller, Finance Division, gave the

report. There were no comments or discussion.

Budget vs. Actual Revenue and Expense Totals As of June 30, 2020

	YTD Actuals	YTD Budget	Favorable/ (Unfavorable) Variance
Revenues	235,617	243,755	(8,138)
Operating Expenses	(187,339)	(204,392)	17,053
Net Revenues (expenditures)	48,278	39,363	8,915

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Board Of Water Supply Statement of Revenues, Expenses And Change In Net Assets As of June 30, 2020

7/10/2020 14:29:32 Page - 1

Current Month Actual	% Revenue	Last Year Actual	% Revenue	Description	Year to Date Actual	% Revenue	Last Year to Date Actual	% Revenue	% Change
				REVENUE					
18,077,548.95	100.00	16,704,389.24	100.00	OPERATING REVENUE	230,531,858.70	100.00	228,661,841.63	100.00	.82
18,077,548.95	100.00	16,704,389.24	100.00	REVENUE	230,531,858.70	100.00	228,661,841.63	100.00	.82
				OPERATING EXPENSES					
3,215,411.03-	17.79	3,126,564.45-	18.72	LABOR COSTS	37,296,244.30-	16.18	36,222,556.65-	15.84	2.96
2,826,218.84-	15.63	4,981,178.58-	29.82	SERVICES	26,226,345.90-	11.38	28,701,473.19-	12.55	8.62-
602,689.08-	3.33	535,965.15	3.21	SUPPLIES	6,243,505.05-	2.71	3,620,362.77-	1.58	72.46
12,864.64-	.07	31,855.95-	.19	EDUCATION & TRAINING	125,716.54-	.05	138,289.63-	.06	9.09-
1,475,301.32-	8.16	4,388,181.35-	26.27	UTILITIES	21,910,939.83-	9.50	26,263,066.45-	11.49	16.57-
135,383.88-	.75	111,671.27-	.67	REPAIR AND MAINTENANCE	1,906,325.88-	.83	1,687,076.17-	.74	13.00
3,467,714.55-	19.18	1,221,286.02-	7.31	MISC	26,064,949.18-	11.31	19,842,714.29-	8.68	31.36
150,857.23	.83	10,072,527.83-	60.30	RETIREMENT SYSTEM CONTRIBUTIO	20,735,656.86-	8.99	29,393,669.88-	12.85	29.46-
36,015.03	.20	1,399,819.53	8.38	MISC EMPLOYEES' BENEFITS	250,411.97-	.11	417,047.64-	.18	39.96-
11,548,711.08-	63.88	21,997,480.77-	131.69	OPERATING EXPENSES	140,760,095.51-	61.06	146,286,256.67-	63.97	3.78-
1,363,641.56-	7.54	4,563,236.89	27.32	NON OPERATING REVENUE AND EXPE	9,622,206.06	4.17	8,597,968.81	3.76	11.91
12,525,589.12	69.29	859,741.68	5.15	CONTRIBUTION IN AID	27,821,009.27	12.07	12,976,363.55	5.67	114.40
5,478,668.77-	30.31	12,449,199.51-	74.53	OTHER EXPENSES	51,898,723.60-	22,51	57,712,859.51-	25,24	10.07-
12,212,116.66	67.55	12,319,312.47-	73.75	Change In Net Assets	75,316,254.92	32.67	46,237,057.81	20.22	62.89

Board Of Water Supply Balance Sheet As of June 30, 2020

	*****	Amounts	*******	******* Ch	ange ***************
Description	Current	Last Month End	Last Year End	This Month	This Year
ASSETS CURRENT ASSETS	54,258,715.85	60,496,772.48	59.710.733.12	-6,238,056,63	-5,452,017.27
RESTRICTED ASSETS	22,871,541,21	-49,257,825.33		72.129.366.54	-1,903,254.23
INVESTMENTS	514,281,311.08	502,194,371.73		12,086,939.35	91,487,397.21
OTHER ASSETS	12.810.425.20	12,424,280.86		386,144.34	-2,553,533.26
PROPERTY / PLANT	1.252.383.445.59	1,238,827,795.06		13,555,650,53	53,758,596.64
DEFERRED OUTFLOWS OF RESOURCES	.,===,===,	33,182,324.00		0.00	0.00
TOTAL ASSETS	1,889,787,762.93	1,797,867,718.80		91,920,044.13	135,337,189.09
					
LIABILITIES					40.007.500.74
CURRENT LIABILITIES	26,086,544.59	22,545,394.29	. ' '.	3,541,150.30	-16,827,536.74
OTHER LIABILITIES	36,124,637.43	33,904,050.80		2,220,586.63	2,165,967.29
BONDS PAYABLE, NONCURRENT	353,454,863.02	279,508,672.48		73,946,190.54	74,682,503.62
NET PENSION LIABILITY	120,348,341.00	120,348,341.00		0.00	0.00
NET OPEB LIABILITY	76,085,333.00	76,085,333.00		0.00	0.00
DEFERRED INFLOWS OF RESOURCES	8,859,472.00	8,859,472.00		0.00	0.00
LIABILITIES	620,959,191.04	541,251,263.57	560,938,256.87	79,707,927.47	60,020,934.17
NET ASSETS					
RETAINED EARNINGS	245,015,789.22	320,476,633.50	294,337,588.45	-75,460,844.28	-49,321,799.23
FUND BALANCE	594,633,831.66	594,633,831.66	594,633,831.66	0.00	0.00
RESERVE FOR ENCUMBRANCES	353,862,696.09	278,401,851.81	304,540,896.86	75,460,844.28	49,321,799.23
CURRENT YEAR CHANGES TO FU	75,316,254.92	63,104,138.26	0.00	12,212,116.66	75,316,254.92
NET ASSETS	1,268,828,571.89	1,256,616,455.23		12,212,116.66	75,316,254.92
TOTAL LIABILITIES AND NET ASSETS	1,889,787,762.93	1,797,867,718.80	1,754,450,573.84	91,920,044.13	135,337,189.09

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Board Of Water Supply

Budget vs Actual Appropriation Budget - Total BWS Summary

7/10/2020

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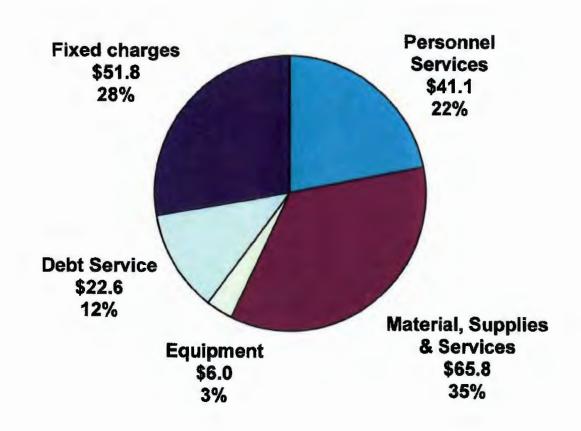
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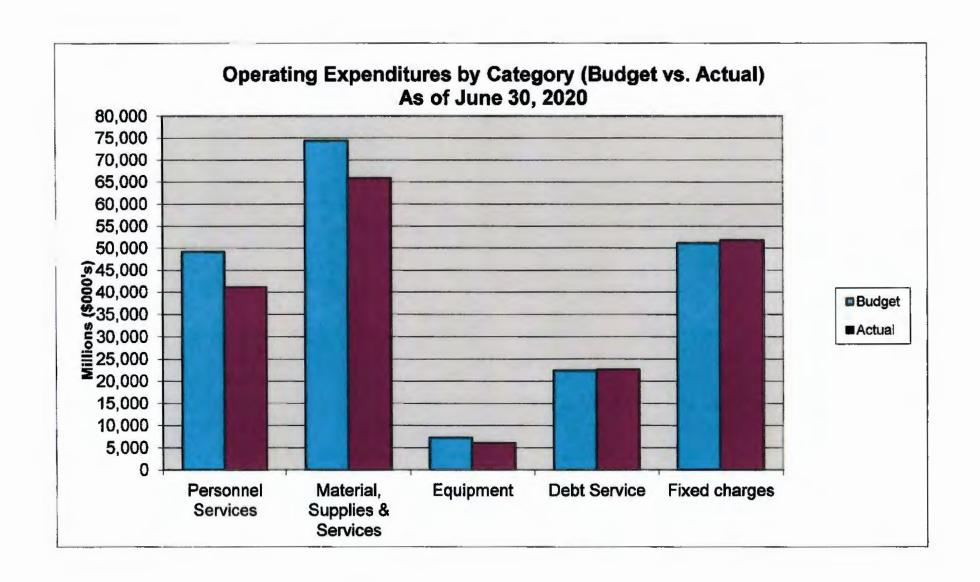
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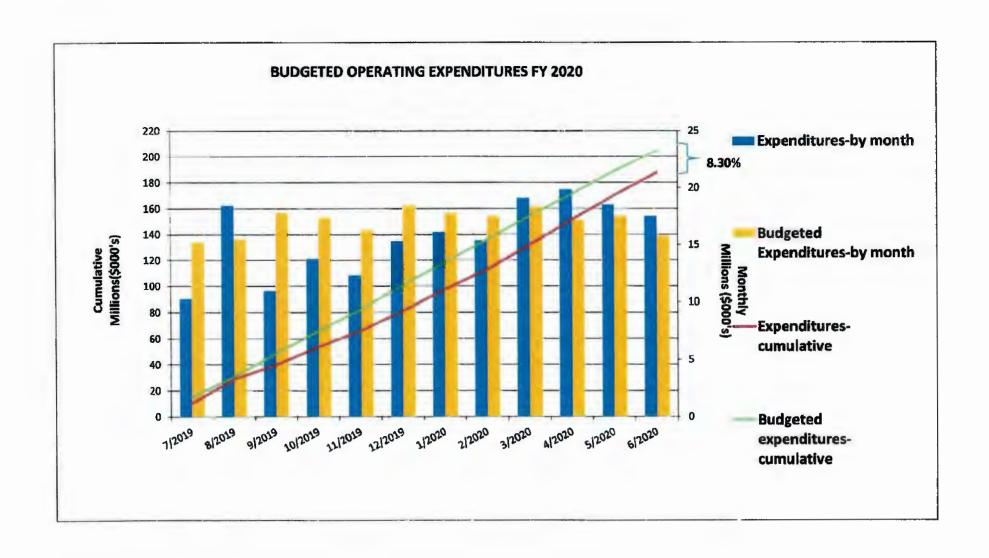
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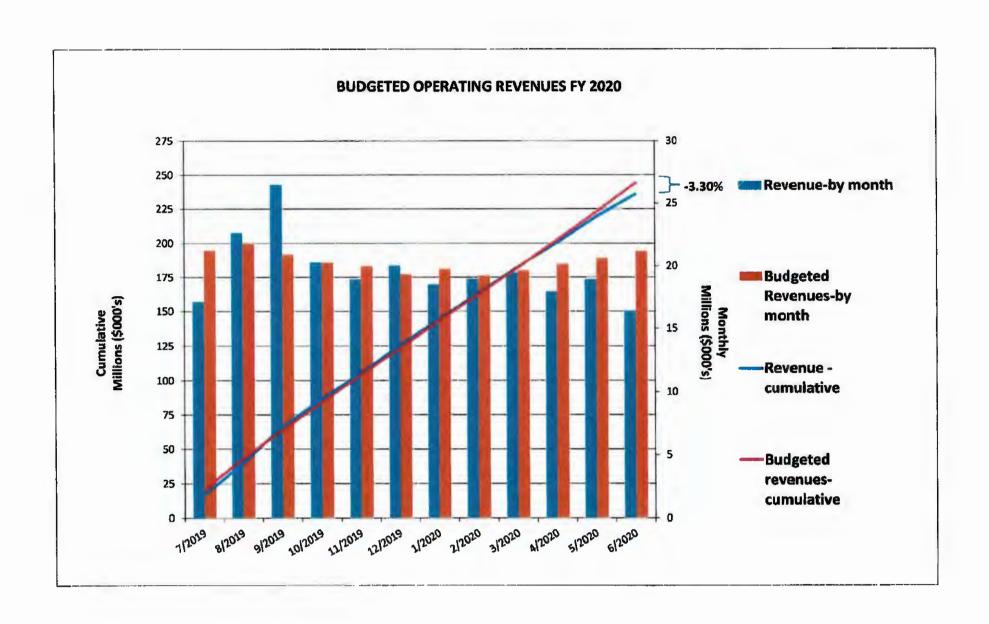
	YTD-TO	-DATE				FOR TH	IE FISCAL Y	EAR	
YTD Actuals	YTD Budget	Avail/ (Over)	%	Object Description	Revenues/ Expend	Open Encumb	Annual Budget	Avail/ (Over)	%
235,617	243,755	8,138	3,34	REVENUE	235,617	-	243,755	8,138	3.34
				OPERATING EXPENSES:					
41,118	49,197	8,079	16.42	Personnel Services	41,118		49,197	8,079	16 42
				MATERIALS AND SUPPLIES	-				
35,997	41,431	5,434	13.12	Services	17,267	18,730	41,431	5,434	13.12
14,601	14,953	352	2.35	Supplies	12,968	1,633	14,953	352	2 35
260	883	623	70 55	Education & Training Utilities	229	31	883	623	70 55
4,822	5,416	594	10.97	Repairs & Maint	1,799	3,023	5,416	594	10.97
10,150	11,705	1,555	13.28	Misc	9,239	911	11,705	1,555	13.28
6,041	7,261	1,220	16.80	Equipment	1,038	5,003	7,261	1,220	16.80
22,588	22,382	(206)	92-	Debt Service	22,588		22,382	(206)	.92-
				FIXED CHARGES:	-				
24,108	24,310	202	.83	Utilities	24,108		24,310	202	.83
3,300	3,300			Case Fees	3,300		3,300		
11,666	11,900	234	1 97	Retirement System Contribution	11,666		11,900	234	1.97
12,688	11,654	(1,034)	8.87-	Misc Employees' Benefits	12,688		11,654	(1,034)	8.87-
187,339	204,392	17,053	8.34	TOTAL OPERATING EXPENDITURES	158,008	29,331	204,392	17,053	8.34
48,278	39,363	(8,915)		NET REVENUES (EXPENDITURES)	77,609	(29,331)	39,363	(8,915)	

Total Operating Expenditures - \$187.3 As of June 30, 2020 (millions of dollars)











Financial Performance

July 2019 - June 2020



Budget to Actual July 2019 – June 2020

- Actual Revenue \$235.6 million vs.
 Budgeted Revenue \$243.8 million
- Operating costs are \$187.3 million vs. Budgeted costs of \$204.4 million
- Actual Net Revenue \$48.3 million vs. Budgeted Net Revenue \$39.4 million





Cost Drivers

Year to Date June 2020

	Actual	Budget
	(millions)	(millions)
Personnel	\$41	\$49
 Services/Supplies 	\$51	\$56
Repairs & Misc.	\$15	\$17
Equipment	\$ 6	\$ 7
- Utilities	\$ 24	\$ 24





Operating Budget

Budget vs Actual Fiscal Year 2019 - 2020

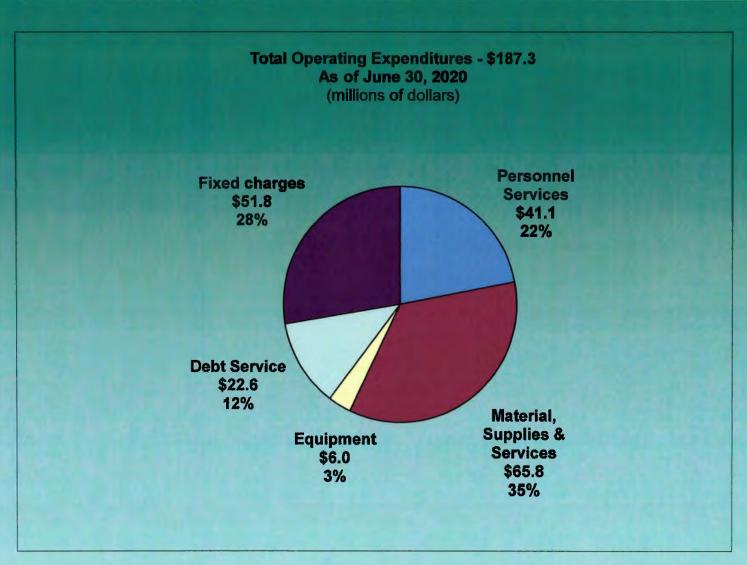
Budgeted expenditures are \$204.4M vs. Actual expenditures of \$186M of the \$18.4M variance:

- Field Operations \$3.9M (under):
 - Salaries & Wages vacancy savings
 - AMR materials & supplies
- Water System Operations \$2.8M (under):
 - Salaries & Wages vacancy savings
 - Equipment
- Water Quality \$2.1M (under):
 - Professional Services
 - Overtime
- Information Technology \$2M (under):
 - Other Contractual Services
 - Salaries & Wages vacancy savings
 - Equipment

- Capital Projects \$2M (under)
 - Salaries & Wages vacancy savings
 - Other Contractual Services
- Water Resources \$1.5M (under)
 - Salaries & Wages vacancy savings
 - Other Services
 - Non-Potable Water Treatment Plant Costs
- Customer Care \$1.3M (under):
 - Salaries & Wages vacancy savings
 - Collection fees
 - Overtime
- Executive Support Office \$1.2M (under)
 - Claims for personal injuries & damages
 - Professional Services
 - Salaries & Wages vacancy savings

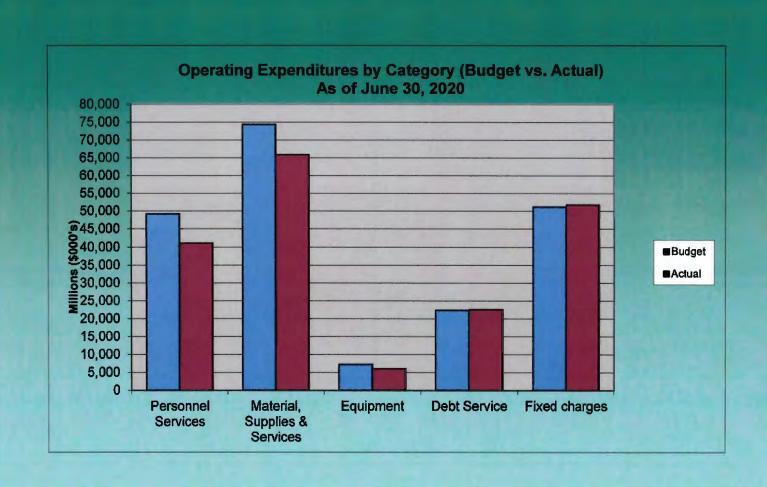








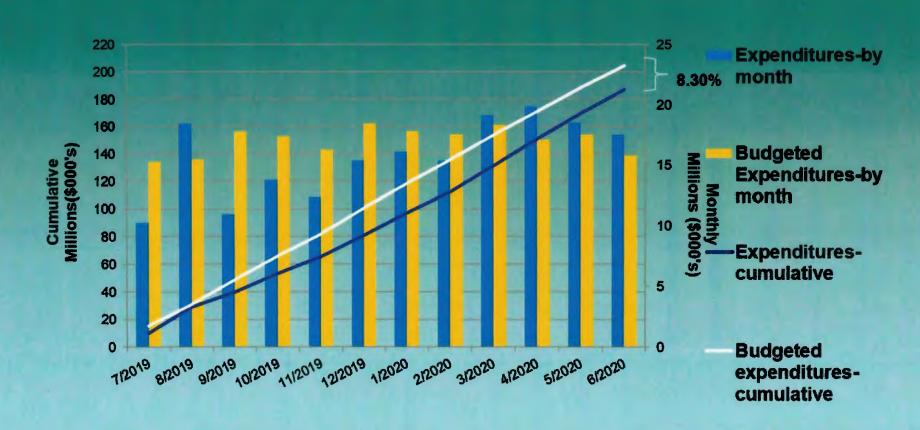








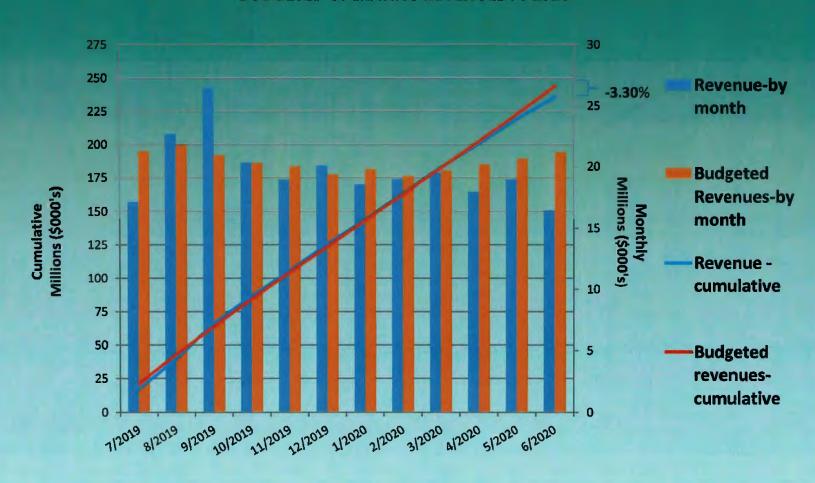
BUDGETED OPERATING EXPENDITURES FY 2020







BUDGETED OPERATING REVENUES FY 2020





Questions or Comments

ITEM FOR INFORMATION NO. 3

"August 24, 2020

CAPITAL
IMPROVEMENT
PROGRAM
QUARTERLY
UPDATE

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

Chair and Members:

Subject:

Capital Improvement Program Quarterly Update

Jason Takaki, 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:

Mr. Jason Takaki, Program Administrator, Capital Projects Division, gave

the report. There were no comments or discussion.

Quarterly Capital Improvement Program Status Report All Divisions as of June 30, 2020

Quarter Awarded		JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN	Awarded to Date	Total Budgeted
Design Contracts Awarded (#/\$)	0	\$0.00	1	\$48,447.36	7	\$4,081,754.58	22	\$14,757,430.96	\$18,887,632.90	\$18,810,000.00
Construction Contracts Awarded (#/\$)	6	\$4,440,237.52	9	\$2,912,251.16	9	\$12,709,339.98	36	\$80,288,571.78	\$100,350,400.44	\$108,400,000.00
Land Purchases (#/\$)	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	\$100,000.00
Project Totals	6	\$4,440,237.52	10	\$2,960,698.52	16	\$16,791,094.56	58	\$95,046,002.74	\$119,238,033.34	\$127,310,000.00

Quarter Completed		JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN	Totals
Design Contracts Completed (#/\$)	1	\$115,762.07	0	\$0.00	0	\$0.00	0	\$0.00	\$115,762.07
Construction Contracts Completed (#/\$)	1	\$141,700.00	1	\$368,960.00	1	\$181,168.93	0	\$7,446,191.50	\$8,138,020.43
Totals	2	\$257,462.07	1	\$368,960.00	1	\$181,168.93	0	\$7,446,191.50	\$8,253,782.50

Ongoing Projects	
Ongoing Design Projects (#)	241
Ongoing Design Projects (\$)	\$105,837,456.84
Ongoing Construction Projects (#)	153
Ongoing Construction Projects (\$)	\$337,408,428.87

Quarterly Capital Improvement Program Status Report All Divisions

DESIGN AND CONSTRUCTION PROJECTS AWARDED - FOURTH QUARTER FY 2020

item#	Project Title	Expend Type	Budget Amount	Awarda
012	Temporary Pumping Connections	P&E	\$370,000.00	\$551,718.00
010Y	Mililani Wells IV Pump No. 2 Replacement	CONST	761,673.00	861,673.0
010AA	Kunia Booster No. 1 Investigative Work	CONST	133,408.40	133,408.4
053B	Hazardous Materials Management Services	P&E	100,000.00	100,000.0
049B	Kapolei 215 Reservoir Repair	CONST	407,530.00	785,690.0
030	Leolua Street and Kipou Street Area Water System Improvements	P&E	1,200,000.00	759,410.0
018E	Makakilo Water System Improvements, Part III (Emergency portion)	CONST	1,003,362.00	1,003,362.0
059	Maakua Well Unit No. 2	P&E	550,000.00	550,000.0
003	Project Management for Various BWS Projects	P&E	100,000.00	796,951.0
010H	Kalihi High Service Booster Replacement of Pump No. 1	CONST	142,584.00	142,584.0
020	Waihee Road Water System Improvements	CONST	400,000.00	461,670.0
041R	Waipahu Wells I Corrosion Control/Repairs	CONST	94,195.00	94,195.0
041T	Waipahu Wells II Corrosion Control/Repairs	CONST	18,170.00	18,170.0
002B	Construction Management Services for Kalawahine 180 Reservoir 2.0 MG	P&E	2,000,000.00	1,879,537.0
008	Waipahu Wells I Renovation	CONST	7,100,000.00	6,957,873.0
032	Ahuimanu Road Area (and Waihee Place) Water System Improvements	P&E	820,000.00	1,062,547.0
052B	Facility Repair and Renovation - Koko Head 170 Reservoir Repairs	P&E	247,004.82	247,004.8
009	Mililani Wells II: Replacement of Pumping Units	CONST	7,700,000.00	6,649,036.0
007	Hoaeae Wells Pump Replacement and Electrical Upgrades	CONST	5,700,000.00	7,058,536.0
001	Halawa Valley Groundwater Monitoring Wells, Phase II	CONST	1,076,417.00	1,076,417.0
015	Kamehameha Heights Water System Improvements, Part III	CONST	9,100,000.00	9,124,698.0
019	Pauoa Water System Improvements	CONST	7,500,000.00	7,110,578.0
023	Service Lateral Replacements in Waipio & Waikele	CONST	1,000,000.00	1,592,700.0
058	Mililani 994 Booster Station	CONST	3,900,000.00	4,558,392.0
018	Makakilo Water System Improvements, Part III	CONST	7,696,638.00	7,949,077.0
006	Waiawa 228 Reservoir Environmental Assessment	P&E	400,000.00	399,851.0
053A	General Archaeological Services	P&E	200,000.00	200,000.0
004	Pipeline Condition Assessment	P&E	100,000.00	285,001.0
022	Rehabilitation of Pipeline Tunnels: Moanalua and Quarry Tunnels	CONST	7,500,000.00	11,595,425.0
031	Kanunu Street and Makaloa Street 8-inch Main	P&E	330,000.00	377,838.0
052C	Pearl City 285 No. 1 and Halawa 418 Reservoirs Repair	P&E	169,660.34	431,480.7
062	Dole Street and Kanewai Street Area Water System Improvements	P&E	980,000.00	987,894.0
025	Kamehameha Highway Water System Improvements - Puhuli Street Vicinity	P&E	1,790,000.00	1,718,187.0
026	Hahaione Street, Hokulani Street and Kahena Street Area Water System Improvements	P&E	900,000.00	848,903.0
028	Ala Hoku Place 16-Inch Main	P&E	360,000.00	315,225.0
035	Elelupe Road and Kuliouou Road Water System Improvements	P&E	1,050,000.00	929,696.8
057	Waialae West Well	CONST	4,500,000.00	5,515,952.0
002A	Construction Management Services for WSO Projects	P&E	1,000,000.00	1,000,000.0
010G	Haleiwa Discharge and Dump Line Replacement	CONST	53,235.15	1,898,835.0
010K	Kalihi Low to High Service Booster (additional work)	CONST	825,405.00	825,402.0
010AB	BWS Job 19-005M; Wahlawa Wells I - Upgrade discharge Valve for Pump No. 1 (Additional Work)	CONST	20,930.16	20,930.10
010AC	Mililani Wells IV: Replacement of Pump No. 4	CONST	1,250,000.00	1,250,000.0
043PE1	Water Meter Transponders Replacement - Phase II	P&E	496,491.61	496,491.6
043PE2	Water Meter Transponders Replacement - Phase II	P&E	503,508.39	419,695.0
043E	Water Meter Transponders Replacement - Phase II	CONST	1,535,395.00	1,535,395.0
044A	Pump Station Instrumentation and Control Upgrade	CONST	0.00	443,855.0
046E	Furnishing and Delivery of Ethernet Radio Systems and Electronic Security Systems	CONST	300,000.00	300,000.0
046G	Installation of Access Control System on 23 Doors	CONST	186,736.17	186,736.1
046H	Access Control Time and Materials	CONST	67,580.00	67,580.0
046J	Security Improvements at Various Locations - change orders	CONST	155,000.00	155,000.0
050A	Aina Koa Booster No. 1 Reroofing	CONST	59,373.60	59,373.6
050B	Aina Koa Booster No. 2 Reroofing	CONST	43,460.56	43,460.5
050D	Aina Koa Booster No. 3 Reroofing	CONST	180,616.76	180,616.7
050AK	Engineering Building Canopy Additional Work	CONST	47,781.46	47,781.4
050K	Kalauao Wells Reroof 6 Pump Buildings	CONST	106,682.52	106,682.5
050M	Aina Haina 170 Reservoir Reroofing	CONST	378,140.10	377,487.0
055	Security Fencing at Various Locations - Change Order #3	P&E	400,000.00	400,000.0
063	Kapolei Base Yard Facility	CONST	100,000.00	100,000.0
	4th Quarter totals		\$85,110,979.04	\$95,046,002.7

DESIGN AND CONSTRUCTION PROJECTS COMPLETED - FOURTH QUARTER FY 2020

Job#	Project Title	Completion Date	Contract Amount
	Wilhelmina Rise Water System Improvements, Part V	4/15/2020	\$3,207,191.50
18-029B	Kamehame Tunnel 36-Inch Main Rehabilitation	4/2/2020	4,239,000.00
	4th Quarter totals		\$7,446,191.50

ITEM FOR INFORMATION NO. 4

"August 24, 2020

REVISIONS Chair and Members
TO THE Board of Water Supply
FISCAL YEAR City and County of Honolulu
2019-2020 (FY20) Honolulu, Hawaii 96843

CAPITAL IMPROVEMENT

Chair and Members:

Subject:

PROGRAM (CIP)

Revisions to the Fiscal Year 2019-2020 (FY20) Capital

Improvement Program (CIP)

Budget Amendment #1:

1. Reduce the appropriation for the following CIP project:

Item No. 46 SECURITY IMPROVEMENTS AT VARIOUS LOCATIONS

 Appropriation
 Present
 Proposed

 OPERATING FUND
 CONST
 3,800,000
 1,750,000

Description: Security improvements and enhancements includes, but not limited to fencing, doors and windows, vegetation setbacks and access control systems at various BWS locations.

Reason: The funding for this project is being reduced in amount based on the specific security projects being pursued in FY 2020. The balance of the funds for this project will be programmed into the Operating Fund — Contract Adjustment Account.

2. Delete the following CIP projects and appropriations:

Item No. 17 AULOA ROAD AND ULUKAHIKI STREET 16-INCH MAIN

Appropriation
Present Proposed

IMPROVEMENT FUND CONST 10,000,000 0

Description: Install 16-inch mains and appurtenances along Auloa Road, from FH W03044 to Kalanianaole Highway; and along Ulukahiki Street, from Kalanianaole Highway to Kailua Road - approx. 7,635 lin. ft. Install 8-inch main along Ulukahiki Street, from near Manu Aloha Street to Kailua Road - approx. 250 lin. ft.

Reason: This project is being deferred and will be re-programmed in FY 2021. With the unprecedented economic uncertainty, we are faced with at this time, the projected timeline for solicitation, evaluation and selection will not occur in time to encumber funds from the current fiscal year. The funds for this project will be programmed into the Improvement Fund – Contract Adjustment Account.

Item No. 27 KAAHELE STREET AND MOANALUA ROAD 16-INCH MAIN

Appropriation

OPERATING FUND P&E 240,000 0

Description: Install 16-Inch mains and appurtenances along Kaahele Street, from Kilinoe Street to Moanalua Road; and along Moanalua Road, from Kaahele Street to near FH L00646 - approx. 1,460 lin. ft.

Reason: The funding for this project is no longer needed. This project overlaps with a prior year project (Job 18-36) Moanalua Road 8-inch main. The critical segments of this project will be addressed by that project. The funds for this project will be programmed into the Operating Fund — Contract Adjustment Account.

Item No. 36 KAHALA MALL MASTER METER IMPROVEMENTS

Appropriation

Present Proposed

OPERATING FUND P&E 200,000 0

Description: Install master meters and appurtenances along Hunakai Street and Kilauea Avenue.

Reason: The funding for this project is not needed in fiscal year 2019-2020. This project will be programmed in the future. These funds will be programmed into the Operating Fund - Contract Adjustment Account.

<u>Item No. 45</u> BERETANIA PUBLIC SERVICE BUILDING EXTERIOR IMPROVEMENTS

Appropriation

OPERATING FUND CONST 3,100,000 0

Description: Repave parking lot and courtyard, reconstruction curb and gutter, install curb ramps, repairs to the catwalk and fountain, and repaint the public service building exterior.

Reason: This project is being deferred and will be re-programmed in FY 2021. With the unprecedented economic uncertainty, we are faced with at this time, the projected timeline for solicitation, evaluation and selection will not occur in time to encumber funds from the current fiscal year. The funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

Item No. 51 HAIKU STAIRS REMOVAL

<u>Appropriation</u>

OPERATING FUND P&E Proposed 250,000 0

Description: Removal of Haiku Stairs.

Reason: This project is being deferred. The scope of the design services will not be finalized in FY 2020. This project will be re-programmed when future direction is determined. The funds for this project will be programmed into the Operating Fund — Contract Adjustment Account.

Item No. 61 EAST KAPOLEI 215' R-1 3.0 MG RESERVOIR

Appropriation

	Present	Proposed		
SPECIAL EXPENDABLE FUND P&E	800,000	0		

Description: Install 3.0 MG R-1 reservoir and appurtenances (TMK: 9-1-018:008). Install 16-inch main and appurtenances along the access road, from the proposed reservoir to the Farrington Highway - approx. 2,300 lin. ft.

Reason: This project is being deferred and will be re-programmed in FY 2021. The Environmental Assessment required to pursue this project will not be finalized in FY 2020. The funds for this project will be programmed into the Special Expendable Fund – Contract Adjustment Account.

3. Increase the CIP Contract Adjustment Account for the following funds:

	Approp	<u>oriation</u>
	Present	Proposed
OPERATING FUND	10,000,000	15,840,000
SPECIAL EXPENDABLE FUND	0	800,000
IMPROVEMENT FUND	0	10,000,000

The following is a summarization of the FY 2019 CIP Budget Memorandum No. 1:

FY 2020 CIP Budget (as Adopted)		\$166,305,000	
Projects – Added Projects – Modified Appr Projects – Deleted	opriations SUBTOTAL	0 (\$2,050,000) (\$14,590,000) (\$16,640,000)	
Contract Adjustment Account		+\$16,040,000	
FY 2020 CIP Budget (as	Amended)	<u>\$166,305,000</u>	

Budget Amendment #2:

1. Delete the following CIP projects and appropriations:

GAC FACILITY IMPROVEMENTS Item No. 40

Appropriation

Present Proposed

OPERATING FUND

CONST

500,000

Description: Install improvements at select GAC facilities to extend use of existing system.

Reason: The funding for this project is being deleted as the project will not occur in FY2020 and the funds are needed for an Emergency Repair Project at Mililani Wells 1 Pump #4. The funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

GAC FACILITY IMPROVEMENTS Item No. 42

Appropriation

Proposed Present

OPERATING FUND

P&E

100,000

Description: Install improvements at select GAC facilities to extend use of existing system.

Reason: The funding for this project is being deleted as the project will not occur in FY2020 and the funds are needed for an Emergency Repair Project at Mililani Wells 1 Pump #4. The funds for this project will be programmed into the Operating Fund - Contract Adjustment Account.

STATION INSTRUMENTATION Item No. 44

Appropriation

Proposed <u>Present</u>

OPERATING FUND

CONST

700,000

Description: Replace station instrumentation with IP enabled solutions, eliminating the need for the existing RTUs.

Reason: The funding for this project is being deleted as the project will not occur in FY2020 and the funds are needed for an Emergency Repair Project at Mililani Wells 1 Pump #4. The funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

Increase the CIP Contract Adjustment Account for the following funds:

<u>Appropriation</u>

Proposed Present

OPERATING FUND

15,840,000

17,140,000

The following is a summarization of the FY 2020 CIP Budget Memorandum No. 2:

FY 2020 CIP Budget (as Adopted) \$166,305,000

Projects – Added 0

Projects – Deleted (\$1,300,000)

SUBTOTAL (\$1,300,000)

Contract Adjustment Account +\$1,300,000

FY 2020 CIP Budget (as Amended) \$166,305,000

Budget Amendment #3:

1. Reduce the appropriation for the following CIP project:

<u>Item No. 1</u> Halawa Valley Groundwater Monitoring Wells, Phase II

<u>Appropriation</u>

OPERATING FUND CONST Present Proposed 2,000,000 1,076,417

Description: Install two (2) monitoring wells in Halawa Valley near the Navy Red Hill Underground Fuel Storage Facility.

Reason: The funding for this project is being reduced in amount based on the BWS' decision to pursue only one (1) well at this site. The balance of the funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

Item No. 5 WAIALAE NUI WELL TEST

2. Delete the following CIP projects and appropriations:

Appropriation

OPERATING FUND P&E Proposed 650,000 0

Description: Survey, video log, clean and clear, test pump and sample well.

Reason: The funding for this project is being deleted as the project will not occur in FY2020. The funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

Item No. 54 MONITORING WELL ASSESSMENT AND REPAIR

Appropriation

OPERATING FUND P&E Present Proposed 100,000 0

Description: Provide well condition assessment and associated repair services for monitor wells.

Reason: The funding for this project is being deleted as the project will not occur in FY2020. The funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

3.e Increase the CIP Contract Adjustment Account for the following funds:e

<u>A</u>	<u>ppropriation</u>
Present	Proposed

OPERATING FUND 17,140,000 18,813,583

The following is a summarization of the FY 2020 CIP Budget Memorandum No. 3:

FY 2020 CIP Budget (as Adopted) \$166,305,000

 Projects – Added
 0

 Projects – Modified Appropriation
 (\$923,583)

 Projects – Deleted
 (\$750,000)

 SUBTOTAL
 (\$1,673,583)

 Contract Adjustment Account
 +\$1,673,583

FY 2020 CIP Budget (as Amended) \$166,305,000

Budget Amendment #4:

1.e Reduce the appropriation for the following CIP project:e

Item No. 50 FACILITY REROOFING AT VARIOUS LOCATIONS

		<u>Appropriation</u>		
		Present	Proposed	
OPERATING FUND	CONST	3,000,000	970,000	

Description: Reroofing of selected BWS Facilities.

Reason: The funding for this project is being reduced in amount based on the actual BWS facilities selected for reroofing in FY2020. The balance of the funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

2.e Delete the appropriations for the following CIP projects:e

Item No. 24 WATER MAIN INSTALLATION AND REPLACEMENT

		<u>Appropriation</u>	
		Present	Proposed
OPERATING FUND	CONST	100,000	0

Description: Install and replace water mains at various locations.

Reason: The funding for this project is being deleted and the project deferred to a future year. The balance of the funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

Item No. 38 WATER MAIN INSTALLATION AND REPLACEMENT

		<u>Appropriation</u>		
		Present	Proposed	
OPERATING FUND	P&E	100,000	0	

Description: Install and replace water mains at various locations.

Reason: The funding for this project is being deleted and the project deferred to a future year. The balance of the funds for this project will be programmed into the Operating Fund – Contract Adjustment Account.

3. Increase the CIP Contract Adjustment Account for the following funds:

	<u>Appropriation</u>		
	Present	Proposed	
OPERATING FUND	18,813,583	21,043,58	

The following is a summarization of the FY 2020 CIP Budget Memorandum No. 4:

FY 2020 CIP Budget (as Adopted)		\$166,305,000	
Projects – Added Projects – Modified Approp Projects – Deleted	oriation SUBTOTAL	0 (\$2,030,000) _(\$200,000) (\$2,230,000)	
Contract Adjustment Account		+\$2,230,000	
FY 2020 CIP Budget (as A	mended)	<u>\$166,305,000</u>	

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

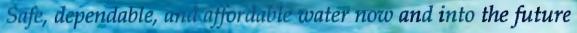
Ms. Raelynn Nakabayashi, Executive Assistant I, Executive Support Office, gave the report.

Board Member Soon asked when the contracts need to be adjusted who would make the decision on the change order.

Ms. Nakabayashi replied the change order is negotiated by the project engineer in charge of the project but subject to the BWS Manager's approval.

Board Member Soon inquired if Manager Lau has the final word.

Manager Lau confirmed that he makes the final decision on the change order.





Revisions to the Fiscal Year 2019-2020 (FY20) Capital Improvement Program (CIP) Budget

August 24, 2020



ABSENT



Resolution 896, 2019

Appropriated \$166,305,000

Operating Fund: \$77,355,000

Improvement Fund: \$65,290,000

Special Expendable Fund: \$23,660,000

DESCRIPTION AND DOG THE ADDOCUMEN

MAX J. SWORD

JADE T. BUTAY

ROSS S. SASAMURA

OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET FOR THE FISCAL YEAR 2019- 2020 AND APPROPRIATING FUNDS THEREFOR, ADOPTED ON MAY 28, 2019			
	AYE	NO	COMMENT
BRYAN P. ANDAYA	X		
KAPUA SPROAT	X		
KAY C. MATSUI			ABSENT
RAY C. SOON			ABSENT

X

X

"BE IT FURTHER RESOLVED that the Manager and Chief Engineer, at his discretion, shall have the authority to adjust the method of funding the Capital **Improvement Program Budget** and that the Manager and Chief Engineer may increase or decrease the amount appropriated out of the Operating Fund, Improvement Fund, State Revolving Fund and Special Expendable Fund in the Capital Improvement Program Budget, provided that the total consolidated appropriation of the Operating Budget and Capital Improvement Program Budget remains the same;"





Budget Amendment No. 1

<u>Justification:</u> Reduce funding and delete the following projects listed in the FY 2020 Capital Improvement Program (CIP) Budget to provide additional funding to the Contract Adjustment Account.

The Contract Adjustment Account is used to provide additional funding for other CIP projects where the lowest bids are anticipated to come in higher than budgeted and to provide funding for contract change orders to previously awarded contracts.

The recommended deferral and reprogramming of these projects will enable the department to award several projects in the FY 2020 CIP budget without causing any significant delays to the overall CIP construction schedule.





Budget Amendment No. 2

<u>Justification</u>: Delete the following projects listed in the FY 2020 Capital Improvement Program (CIP) Budget to provide additional funding to the Contract Adjustment Account.

The Contract Adjustment Account is used to provide additional funding for other CIP projects and to provide funding for contract change orders to previously awarded contracts.

The recommended deferral and reprogramming of these projects will enable the department to award an Emergency Repair Project for Mililani Wells 1 Pump #4.





Budget Amendment No. 3

<u>Justification</u>: Reduce and delete the following projects listed in the FY 2020 Capital Improvement Program (CIP) Budget to provide additional funding to the Contract Adjustment Account.

The Contract Adjustment Account is used to provide additional funding for other CIP projects and to provide funding for contract change orders to previously awarded contracts.

The recommended deferral and reprogramming of these projects will enable the department to provide additional funding for a change order on the Energy Savings Performance Contract.





Budget Amendment No. 4

<u>Justification</u>: Reduce and delete the following projects listed in the FY 2020 Capital Improvement Program (CIP) Budget to provide additional funding to the Contract Adjustment Account.

The Contract Adjustment Account is used to provide additional funding for other CIP projects and to provide funding for contract change orders to previously awarded contracts.

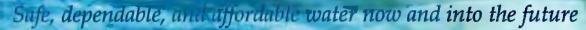
The recommended deferral and reprogramming of these projects will enable the department to make an award on CIP Project Number 20-022 Rehabilitation of Pipeline Tunnels: Moanalua and Quarry Tunnels.

Safe, dependable, and affordable water now and into the future



SUMMARY OF AMENDMENTS

	Operating	Spec. Ex.	Improvement	Total
	77,355,000	65,290,000	23,660,000	166,305,000
Amendment #1				
#46 Security Improvements at Various Locations	(2,050,000)			
#17 Auloa Rd. and Ulukai St. 16" Main		(10,000,000)		
#27 Kaahele St & Moanalua Rd. 16" Main	(240,000)			
#36 Kahala Mail Master Meter Improvements	(200,000)			
#45 Beretania PSB Exterior Improvements	(3,100,000)			
#51 Haiku Stairs Removal	(250,000)			
#61 East Kapolei 215' R-1 3.0 MG Res.			(800,000)	
Contract Adjustments Account	5,840,000	10,000,000	800,000	
Amendment #2				
#40 GAC Facility Improvements	(500,000)			
#42 GAC Facility Improvements	(100,000)			
#44 Station Instrumentation	(700,000)			
Contract Adjustments Account	1,300,000			
Amendment #3				
#1 Halawa Valley Groundwater Monitoring Wells, Phase II	(923,583)			
#5 Waialae Nui Well Test	(650,000)			
#54 Monitoring Well Assessment and Repair	(100,000)			
Contract Adjustments Account	1,673,583			
Amendment #4				
#50 Facility Reroofing at Various Locations	(2,030,000)			
#24 Water Main Installation and Replacement	(100,000)			
#38 Water Main Installation and Replacement	(100,000)			
Contract Adjustments Account	2,230,000			
	77,355,000	65,290,000	23,660,000	166,305,000





THANK YOU!

ITEM FOR INFORMATION NO. 5

"August 24, 2020

BOARD OF WATER SUPPLY UPDATES ON COVID-19 RESPONSE

EFFORTS

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

Chair and Members:

Subject:

Board of Water Supply Updates on COVID-19 Response

Efforts

Raelynn Nakabayashi, Executive Assistant, Executive Support Office, will report on the Board of Water Supply updates on COVID-19 response efforts to date.

Respectfully submitted,

/s/

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

Attachment"

The foregoing was for information only.

DISCUSSION:

Ms. Raelynn Nakabayashi, Executive Assistant I, Executive Support Office, gave the report.

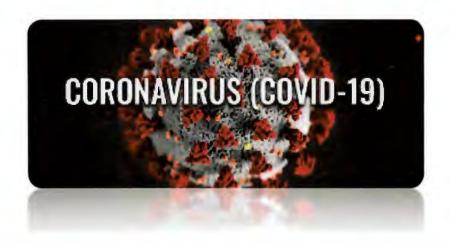
Chair Andaya inquired what is the percentage of the BWS employees that are currently teleworking from home.

Ms. Michele Thomas, Executive Assistant I, Human Resources Office, replied that the BWS currently has 140 employees that are teleworking. The arrangement allows some employees to telework on a full-time or a part-time basis, which maximizes social distancing in the workplace.





The Workplace After COVID-19 THE NEW NORMAL



BWS Updates on COVID-19 Response Efforts

August 24, 2020





How COVID-19 Spreads

"COVID-19 is thought to spread mainly through close contact from person-to-person. Some people without symptoms may be able to spread the virus. We are still learning about how the virus spreads and the severity of illness it causes."

The best way to prevent illness is to avoid being exposed to this virus. You can take steps to slow the spread.

Maintain good social distance (about 6 feet). This is very important in preventing the spread of COVID-19.

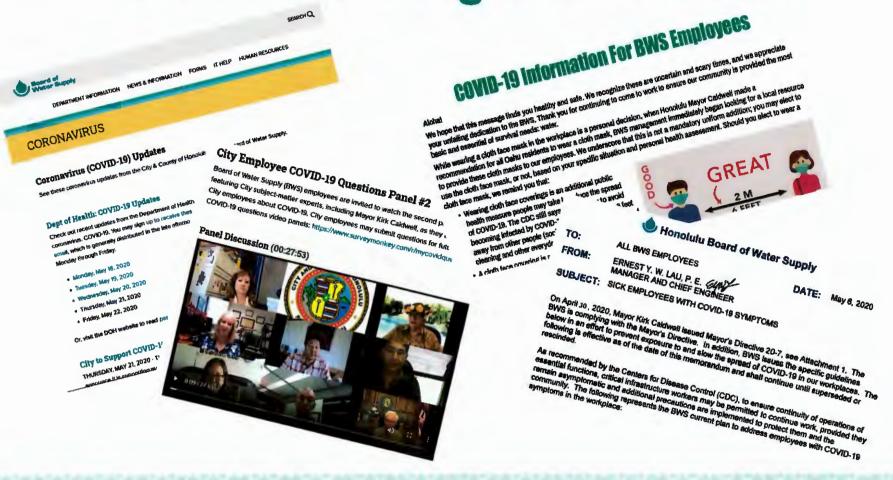
Wash your hands often with soap and water. If soap and water are not available, use a hand sanitizer that contains at least 60% alcohol.

Routinely clean and disinfect frequently touched surfaces.





Educating, Informing and Communicating with our Staff







Preparing Workplaces for COVID-19



OSHA 3990-03 2020



Guidance on Preparing Workplaces for COVID-19

✓ Implement Basic Infection Prevention Measures

- ✓ Procedures for Prompt Identification of Sick People
- ✓ Implement and Communicate about Workplace Flexibilities and Protections
- ✓ Implement Workplace Controls

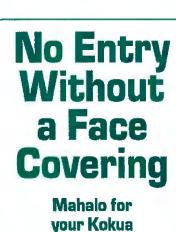
Safe, dependable, and affordable water now and into the future



BWS Examples of Basic Infection Prevention Measures







Moard of Water Supply



Safety Talk Resources

- Safety Talk Page
- Remote Worker Safety
- Ergonomics at Home
- Managing Stress

STEP BACK FOR SAFETY



Everyone should wash their hands with soap and water if possible. If only alcohol-based hand sanitizers are available, make sure all liquid is evaporated before touching any surfaces to avoid static shock and burns. (Learn more)





Preparing Workplaces for COVID-19



OSHA 3990-03 2020



Guidance on Preparing Workplaces for COVID-19

- ✓ Implement Basic Infection Prevention Measures
- ✓ Procedures for Prompt Identification of Sick People
- ✓ Implement and Communicate about Workplace Flexibilities and Protections
- ✓ Implement Workplace Controls

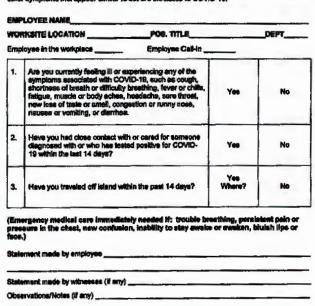
Safe, dependable, and affordable water now and into the future



BWS "Sick Employee" **Procedures and Guidelines**

COVID-18 SYMPTOMS QUESTIONNAIRE

Managers and/or supervisors may sek their employees who report feeling ill at work, or who call in sick, questions about whether they are experiencing symptomic similar to those identified by the CDC as being sesociated with CCVID-19. When directing an employee to go home or stay home, managers end/or supervisors should document the briddent; e.g., dete, time, observed symptome, statement meds by employee, and etc. This questionnaire is confidential and should be starred in a separate medical file according to departmential procedures to protect from improper disclosure. Menagers ensity supervisors should consult with their departmential ASO if there are any "yes" responses. Note: This questionnaire should not apply to includuals who may have medical conditions or dissolities that may occur outperforms that appear similar to but are unrelated to COVID-19.







Safe, dependable, and affordable water now and into the future



City Sponsored COVID-19 Screening with PMGH



Source: Civil Beat/Ronen Zilberman

- On Wednesday
 August 12, 2020 BWS
 offered voluntary
 COVID-19 screening
 to all employees at its
 Beretania Campus.
- BWS is working with the City to organize other such events at its Corp. Yards





Preparing Workplaces for COVID-19



OSHA 3990-03 2020



Guidance on Preparing Workplaces for COVID-19

- ✓ Implement Basic Infection Prevention Measures
- ✓ Procedures for Prompt Identification of Sick People
- ✓ Implement and
 Communicate about
 Workplace Flexibilities
 and Protections
- ✓ Implement Workplace Controls

Sufe, dependable, and affordable water now and into the future



BWS Administrative Changes

Visitor Screening Forms Honolulu Board of Water Supply

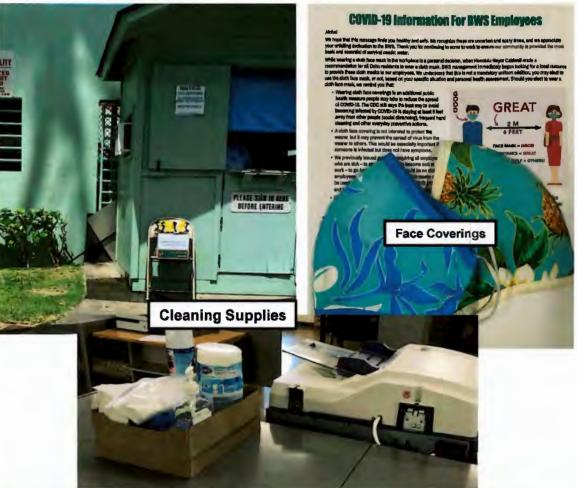
CCMPAHYIORGANIZATION	PURPO	SE CF VISIT.
Public Service Building Kath Corporation Yard	Engineering Building C	Bereiona Courtyant 🗅

- Experienced a recent create of any of the total Experienced a recent create of any of the total Shortness of Breeth, Fever, Chillis, Muscle Pa Totale or Breet? YEE / NO Travelsed internationally of dentertically? YES, Came into dose personal contact with anyone interton? YES / NO

If you answered YES to any of the



Telework







Preparing Workplaces for COVID-19





Guidance on Preparing Workplaces for COVID-19

- ✓ Implement Basic Infection Prevention Measures
- ✓ Procedures for Prompt Identification of Sick People
- ✓ Implement and Communicate about Workplace Flexibilities and Protections
- ✓ Implement Workplace
 Controls

OSHA 3990-03 2020





Classifying Worker Exposure

Occupational Risk Pyramid for COVID-19



OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

ALL BWS
Employees fall into
these Exposure
Risk Categories:

- ➤ Lower Exposure
 Risk
- Medium Exposure Risk

Safe, dependable, and affordable water now and into the future



Jobs Classified at Lower Exposure Risk: What to Do to Protect Workers

Engineering Controls

✓ Additional engineering controls are not recommended for workers in the lower exposure risk group.

Personal Protective Equipment

✓ Additional PPE is not recommended for workers in the lower exposure risk group.

Source: Occupational Safety and Health Administration, Publication 3990

Safe, dependable, and diffordable water now and into the future



Jobs Classified at Medium Exposure Risk: What to Do to Protect Workers

Engineering Controls

✓ Install physical barriers where feasible.

Administrative Controls

- ✓ Limit customers' and the public's access to the worksite.
- ✓ Minimize face-to-face contact.

Personal Protective Equipment

✓ Workplace hazard assessments conducted via Job Hazard Analyses.

Source: Occupational Safety and Health Administration, Publication 3990

Safe, dependable, and affordable water now and into the future



No Entry Without a Face Covering

Mahalo for your Kokua











TESTIMONY

How to Submit Testimony

BOARD OF DIRECTORS MEETING: 2:00 PM ON TUESDAY, MAY 26, 2020

Pursuant to the Eighth Supplementary Proclamation issued by Governor David Y. Ige on May 18, 2020, related to the COVID-19 emergency, in order to allow public participation in a manner consistent with social distancing practices, the following procedures are in effect for the meeting.

Board Member Participation

Some Board members may be participating in the meeting by interactive conference technology from remote locations.

Public Testimony

Testimony <u>will not be accepted prior to the posting of the public notice and agends</u> for a board meeting or public hearing. Once the public notice is posted, testimony on a topic before the Board may be submitted in advance (written only) or during the meeting:

. SUBMIT ADVANCE WRITTEN TESTIMONY

Testimonies should include the submitter's address, email address, and phone number. Written testimony will be posted to the BMS website at boardofwatersuppty.com. You may submit testimony in advance by email, fex, mail, and online form. The detailine to submit is 12:00 PM on Tuesday, May 26, 2020.

- EMAIL: board@hbws.org
- EAX: (808) 748 5079
- MAIL: Board of Water Supply, 630 South Beretania Street, Honolulu HI 96843
- ONLINE: Fill out the testimony form. See below.

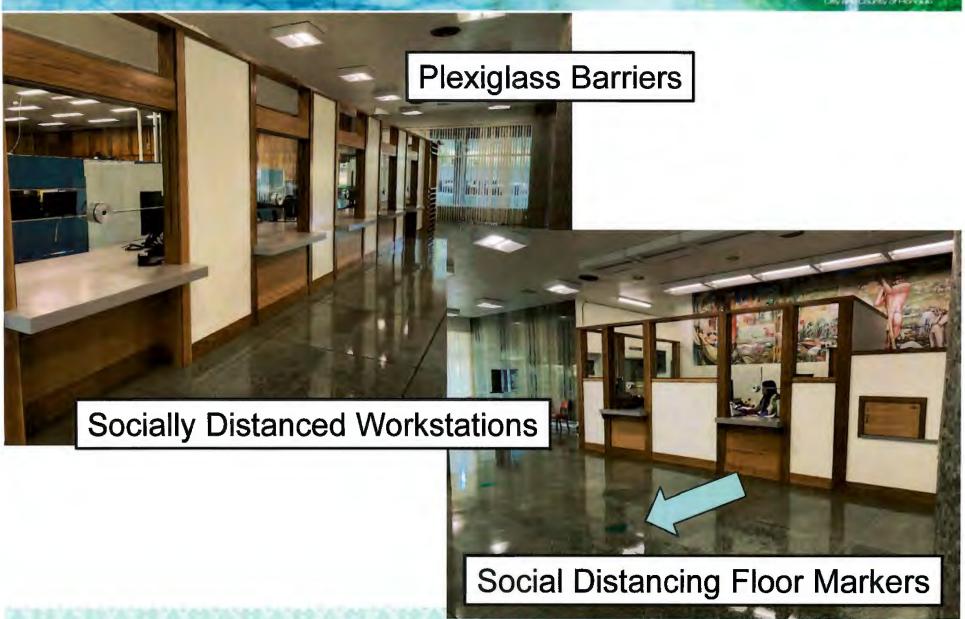
. SUBMIT TESTIMONY DURING THE MEETING

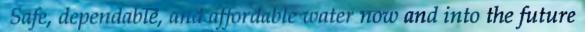
Calls will be accepted during the meeting. Callers will be placed in a queue and brought up to testify one at a time. Please watch the livestream and listen for the prompt to call into the testimony hotline.

- PHONE: (808) 748-6040 (only open during call-in testimony acceptance windows)
- IN-PERSON: Due to the coronavirus pendemic, in-person testimony will not be accepted.











THANK YOU!

ITEM FOR INFORMATION NO. 6

"August 24, 2020

UPDATE ON BOARD OF WATER SUPPLY DELINQUENC Chair and Members Board of Water Supply City and County of Honolulu Honolulu, Hawaii 96843

DELINQUENCY PROGRAM

Chair and Members:

Subject:

Update on Board of Water Supply Delinquency Program

Jennifer Elflein, Program Administrator, Customer Care Division will present an update on the Board of Water Supply's Delinquency Program.

Respectfully submitted,

/s/

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

Attachment"

The foregoing was for information only.

DISCUSSION:

Ms. Jennifer Elflein, Program Administrator, Custom Care Division, gave

the report. There were no comments or discussion.



Delinquency Program Update

August 24, 2020



General Information

- BWS bills an average of 160,140 accounts/month for a total of \$228M/yr
- Payment is due within 20 days of billing
- Balances not paid within 30-days are considered past due
- Collections & Credit and Call Center personnel collect debt and work w/customers to bring past due accounts current
- In certain situations, with proper written notice, water may be shut-off for non-payment





Impacts of COVID-19

- Governor Ige issued first Emergency Proclamation for COVID-19 (March 5, 2020)
- World Health Organization characterized COVID-19 as a pandemic (March 11, 2020)
- Mayor Caldwell issued first Emergency Order (March 20, 2020)
- Mayor Caldwell issued at Stay at Home / Work from Home Order (March 22, 2020)
- State of Hawaii's unemployment rate increased





BWS Action Maintain Water Service for Health & Hygiene

- Moratorium placed on water shut-off due to nonpayment (March 12, 2020)
- Service reinstated for those in need who were previously shut-off for non-payment



BWS Action Communication & Customer Experience

- News releases and social media posts issued
- On-hold messaging added
- Website updated
 - "Information Center" page added
 - "Support" page added
 - Payment Arrangement Request form added
- Special phone number (748-5070) published
- Accounts notated for tracking purposes





Key Messages

- No disruption in water service due to non-payment through September 30, 2020
 - Situation to be reassessed each month
 - Communication can be expected through news releases, our website and social media
 - No shut-off will occur without advanced notice
 - Does not apply to unauthorized water use (i.e. Use of water without having established an account)
- Keep your balance as low as possible; pay as much as you can as often as you can
- Financial support may be available
- Let us know of your situation and keep contact information up to date

Sufe, dependable, and affordable water now and into the future



BWS Home Page



™) INFORMATION CENTER

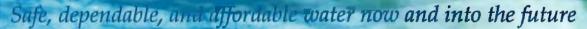
Stay safe during the coronavirus outbreak. Get updates from BWS, including payment options and other announcements.

> SEE INFO CENTER & SUPPORT PROGRAMS

♥□) BWS WATER QUALITY REPORT

The 2020 Water Quality Report, which contains a wealth of information about your water quality, is now available.

> FIND YOUR WATER QUALITY REPORT





INFORMATION CENTER

Go to: Your Water Bill I How to Read Your Bill I About Your Bill I Water Rates I Support Programs

BWS COVID-19 UPDATES

See updates related to the coronavirus pandemic.

Welcome to the Board of Water Supply (BWS) Customer Information Center Help page. For more information on commonly asked questions, click on the headings listed below.

BWS Lobby is Closed

No Water Shut-Offs

Payment Options

Water Service Requests

Billing Disputes

Building Permit Review

Guidance for Large Buildings

BWS Public Events

Updated: 07/07/2020





SUPPORT PROGRAMS

Go to: Customer Information Center

WAYS WE CAN HELP

The Board of Water Supply (BWS) is committed to providing Oahu with safe, dependable and affordable water, especially during these uncertain times. Water is essential for good health, and we want to keep it running for Oahu homes and businesses. As such, to assist customers who are facing financial difficulties because of the coronavirus outbreak, BWS has temporarily suspended water shut-off due to nonpayment through Friday, July 31, 2020 and will be re-assessed based on the situation at that time.

PAYMENT ARRANGEMENTS

As long as your water service is on, you will continue to be billed. We would like to remind customers that if you are unable to pay your water and sewer bill in full, please let us know as soon as possible. Keep us informed of your situation and request a payment arrangement to help manage your water and sewer bill. To request a payment arrangement, please fill out and submit our Payment Arrangement Request Form.

Payment Arrangement Request Forms

- Email or Mail Submission: Fillable PDF

- Website Submission: Online Request Form

FINANCIAL SUPPORT PROGRAMS

During this difficult time, local, state and federal programs are available to assist families and businesses needing some support. Please consider contacting the following organizations to learn about their utility assistance programs. To view more information, click on the names listed below.

One Oahu

Aloha United Way 2-1-1

Hawaii COVID-19 Rent & Utilities Assistance Program

Updated: 07/07/2020







Payment Arrangement Request Form

Date of Request	Account Type			
	E Residential			
	Contact Informatio	eπ		
Name				
Phone Cell	Home _	Work		
Email				
Mailing Address				
Service Address				
(if different from melting)				
RWS Account #	Rest De	y(s) and Time(s) to Contact		
)(a) = 1 :(a) to delice!		
Reason Unable to	Pay = COVID-19 =	Not COVID-19 related		
	ny full water and/or sewer b			
Business Clos	ed 🗆 Job Loss	Event Effective Date		
 Furlough 	□ Layoff			
□ Other (please)	: Layon			
Payment Plan Req		gement is a plan to pay the current bill		
		(BWS) accept a Total Monthly Payment of		
\$		formonths.		
□ I currently have a	Payment Arrangement and r	equest to establish a new arrangement.		
Important Informat	tion			
		is matter. Please respond promptly.		
	e BWS has your current conta eryce@hbws.org	act information at all times. Changes can be emailed		
 You will contin 	nue to be billed for all water a	nd sewage usage. We encourage you to make fford at this time to keep your bill as low as possible		

Submit completed form to:

Honolulu Board of Water Supply | Customer Care Division 630 South Beretania Street | Honolulu, Hawaii 96843-0091 Email: <u>customersprvice@hbws.org</u> | Online Form: <u>Submit Now</u>





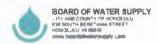
Financial Assistance Programs

- Examples of Financial Assistance Programs
 - Individuals
 - C&C of Honolulu's Individual COVID-19 Hardship & Relief Fund
 - Aloha United Way
 - Council for Native Hawaiian Advancement
 - Small Businesses
 - C&C of Honolulu's Small Business Relief and Recovery Fund

Safe, dependable, and affordable water now and into the future



Letters to Customers



Date

Name Address City, Hawali, Zip

Dear Last name:

Subject: Account for Premise Address, XXXX

Thank you for contacting the Board of Water Supply (BWS) to inform us that COVID-19 has attected your financial situation.

The BWS is committed to providing Oahu with safe, dependable and affordable water. especially during these uncertain times. Water is essential for health and hygiene, and we want to keep it running for Oahu homes and businesses. As such, to assist customers who are facing financial difficulties because of the coronavirus outbreak, BW\$ has suspended water shut-off due to nonpayment through September 30, 2020.

Listed below are some important things to know

- You will continue receiving monthly bills and are responsible for all water and sewer charges on your account
- . We recommend that you keep your balance as low as possible by making payments that you can afford as often as you can
- · Payments can be made by phone, mail, online or drop box at our Public Service Building Single family residential customers can pay their bills by credit or debit card without any service charge or fee Information on payment options can be found at www.boardofwatersupply.com/help,
- Visit www.boardofwatersupply.com/support to
 - Determine whether the suspension of water shut-off was extended
 - o Obtain information about financial support programs (also see flyer enclosed)
 - Request a payment arrangement

If you have questions, need assistance understanding this information in another language or do not have access to the Internet, please call us at (808) 748-5070 Monday through Friday between 7 45am and 4.30pm. We are also available at collections@hbws.org

Board of Waler Supply

Important: This document contains important information about your water and sower services and it is important that you understand the information. If you need assistance understanding this information, immediately call 746-5030. Language scalatence will be provide free of

重要:本書にはお客様の水道事業と下水事業に関する重要な情報が記載されており、お客様が この内容をご理解いただくことが重要です。本書の内容をご確保いただくために支援が必要な 場合は、匿ちに 745-600 までご連絡ください。常間支援を無料でご提供いたします。

종묘: 본 문서에는 귀하의 상하수도 서비스 공한 중요한 정보가 들어있으며, 이를 미해하는 것이 정요합니다. 본 정보를 이해하는 때 도움이 필요하시면 즉사 748-5030 년으로 전화해 구십시오. 무료로 연여 지원 서비스를 제공합니다

重要提示:该文件包含与您供水和下水道服务相关的重要信息,简务必理解该值是,如果您需要 帮助以可解该领息 智可到收打 748-5030。我们将会提供免费的语言活動。

Tagalog:
Mehalega: Ang delumentong ibe ay staglalaman ng mahatagang impormasyon kungkol sa kyongmga serbiayo sa kubig at afkastarkyo at mahalegang maunewaan ono ang Impormasyong
ibo. |Kung kallangan mo ng lalong sa pag-umawa sa Impormisyong ibo, agad na fumawag sa
748-5000. Megitakakod ng tubong sa pag-sasalin sa witar nang ibne.

Nasken: Linson dayley a dokumento ti nasken nga impormasion panggap kadagiti serbsiom til danum ken pagayuerana ken naukan a marwetam ti Impormanyon. No masepulmo ti tulong a maswetam dayloy aga impormanyon, tawagan a algud ti 748-5030. Matted a libre ti tulong ti

Versions of the state of the st

He mee he'emaagaga bija: He 'ikapili ko'lko'l ko kika palapala no ka lawelywe wai a me ka 'auwai tawa mea "ino, a he mea nut la maopopo los "exe lá "ne. Iné pono ka mahele "blelo lá "ne no ka hefemaopo 'ana i käie 'ikapiil, a kalapona fizike i 749-5030. Hiki i kaki mea wushi ke mahele 'dieto me ka menushi.

Safe, dependable, and afforaable water now and into the future



Board of Water Supply offers several convenient ways to pay your bill



Pay Your Bill By Mail

Mail your check or money order to: Board of Water Supply, City and County of Honolulu, PO Box 135037, Honolulu, HI 96901-5037.



Pay Your Bill By Phone

Turn into the drive-through on the right.

Call 748-5029, Monday - Friday, 7:45 a.m. to 4:30 p.m., to pay your bill with a Visa, MasterCard or Discover card. BWS only accepts credit card payments for single-family realdential accounts. Hole: Dur to the COVID-19 pandersic, customers any experience

larg wall times when paying by phabme



Pay Your Bill Online

Log in to your account at hows mysecured services, com to make a payment using Visa or MasterCard. (To pay with Discover Card, call 748-5020 during business: hours.) Single-family residential customers only. Details at hises, melpay.



Automatic Bill Payment

Enroll to have your water and seven bill paid by automatic deduction from your checking or savings account. See our Payment Options page at hitses meloay for the details and links to got started.

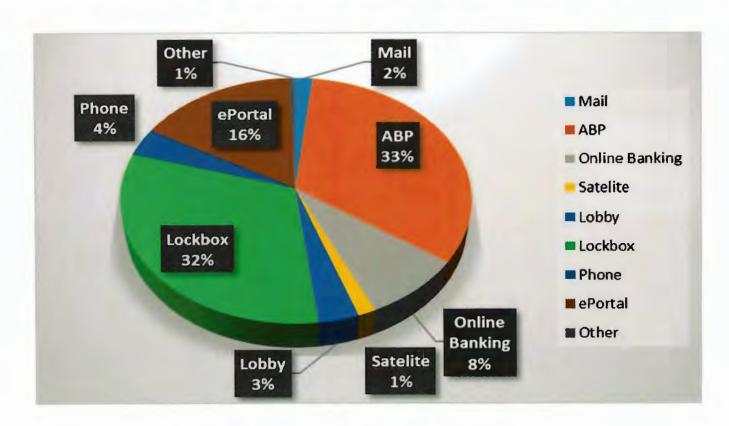


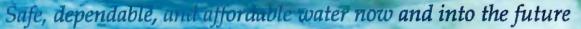






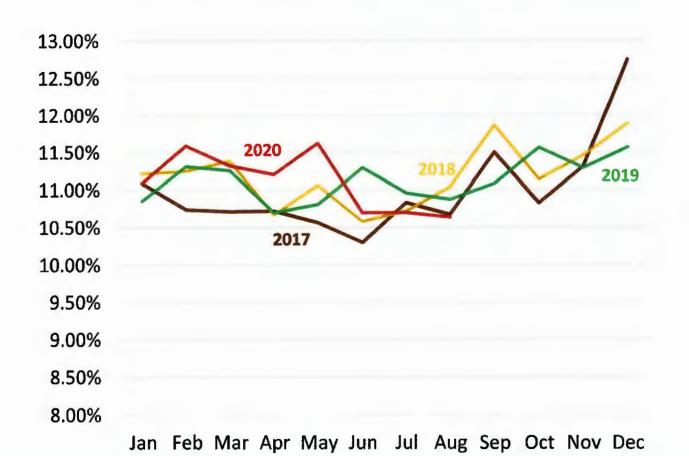
Convenient Ways to Pay







Percentage of Water Accounts 30 Days Past Due 2017 to Present

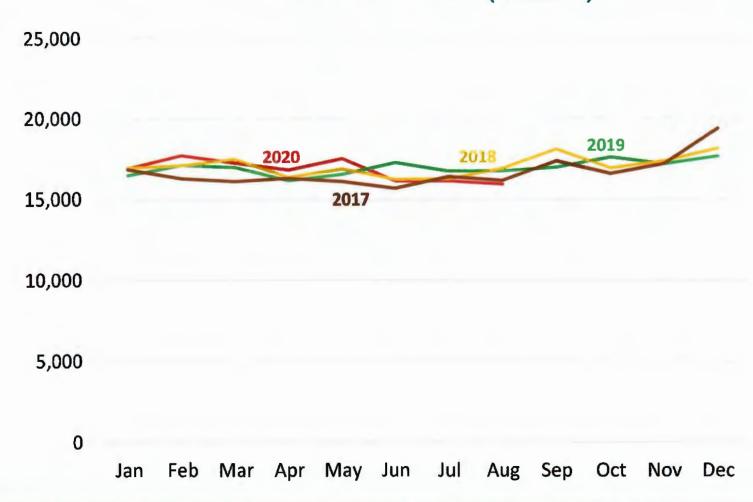


NOTE: Between 2015 – 2019, BWS uncollectable accounts average (\$459,490 annually) or about 0.2% of annual operating revenue





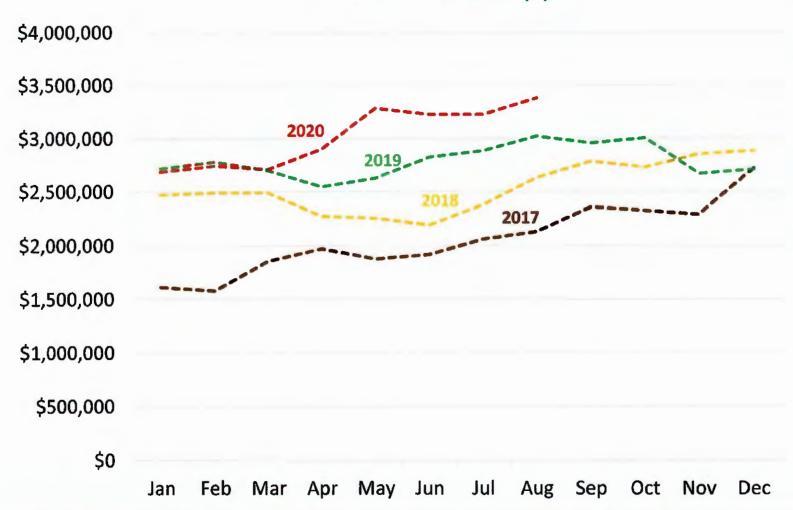
Monthly Residential Water Customer Delinquency 2017 to Present (Number)







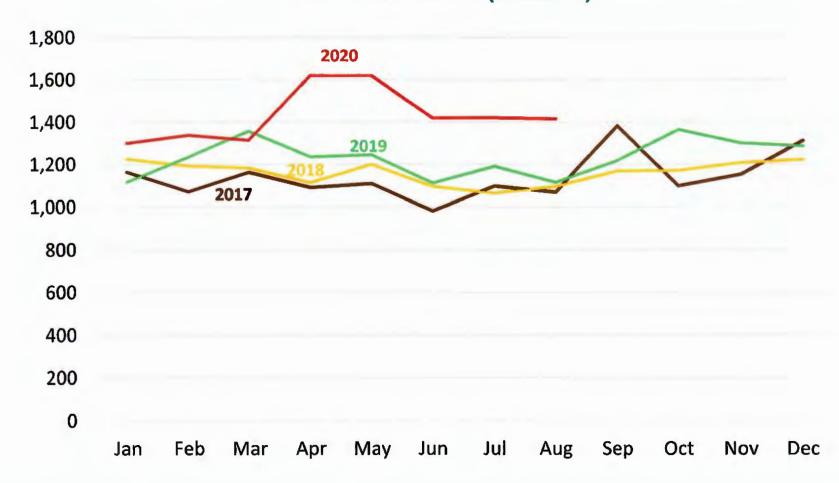
Monthly Residential Water Customer Delinquency 2017 to Present (\$)

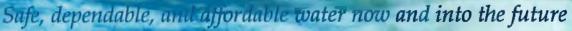






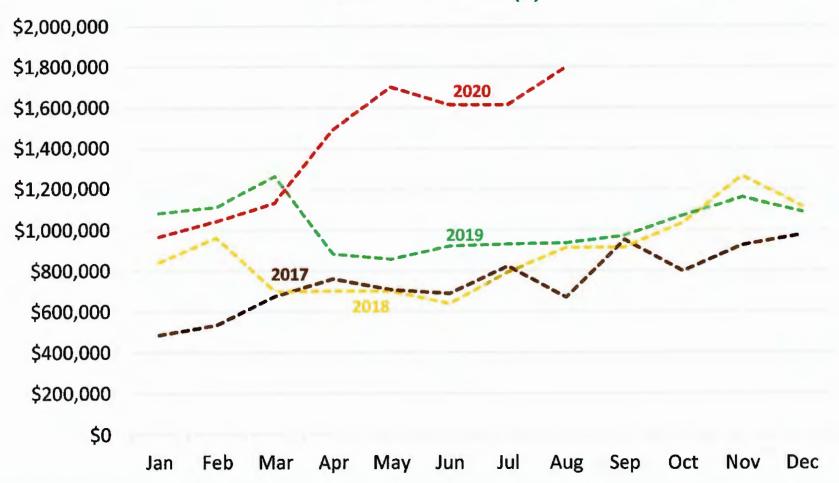
Monthly Commercial Water Customer Delinquency 2017 to Present (Number)







Monthly Commercial Water Customer Delinquency 2017 to Present (\$)







Questions?

ITEM FOR INFORMATION NO. 7

"August 24, 2020

STATUS
UPDATE OF
GROUNDWATER
LEVELS AT
ALL INDEX

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

STATIONS FOR JUNE

Chair and Members:

FOR JUNE AND JULY 2020

Subject: Status Update of Groundwater Levels at All Index Stations

There were two aquifer index wells within low groundwater status for the production month of June 2020. Punaluu is under a Caution status. Kaimuki is in Alert Status. The monthly production average for June 2020 was 148.13 million gallons per day (MGD).

The Board of Water Supply rainfall index for the month of June 2020 was 68 percent of normal, with a 5-month moving average of 72 percent. As of July 7, 2020, the Hawaii Drought Monitor shows abnormally dry conditions for all of Oahu, with moderate drought conditions for leeward Oahu. The National Weather Service describes Hawaii as being in a dry season and is predicting below-normal precipitation through September 2020.

Most monitoring wells are exhibiting decreasing trends, due to increased pumping during the summer dry season.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: Mr. Barry Usagawa, Program Administrator, Water Resources Division,

gave the report. There were no comments or discussions.

PRODUCTION, HEAD AND RAINFALL REPORT MONTH OF JUNE 2020

POTABLE

STATION	MGD
HONOLULU (1)	
KULIOUOU	0.31
WAILUPE	0.15
AINA KOA	0.11
AINA KOA II	0.79
MANOA II	0.97
PALOLO	1,15
KAIMUKI HIGH	2.47
KAIMUKI LOW	4.59
WILDER	6.02
BERETANIA HIGH	2.68
BERETANIA LOW	0.53
KALIHI HIGH	3.19
KALIHI LOW	2.15
KAPALAMA	0.76
KALIHI SHAFT	7.52
MOANALUA	1.44
HALAWA SHAFT	9.46
KAAMILO	0.87
KALAUAO	5.16
PUNANANI	7.54
KAAHUMANU	0.26
HECO WAIAU	2.66
MANANA	0.26
WELLS SUBTOTAL	61.04
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.23
GRAVITY SUBTOTAL	0.40
HONO. SUBTOTAL	61.44

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.43
WAIMANALO III	0.00
KUOUT	1.70
KUOU II	0.07
KUOU III	0.79
LULUKU	0.93
HAIKU	0.00
IOLEKAA	0.00
KAHALUU	0.72
KAHANA	0.99
PUNALUU I	0.00
PUNALUU II	4.03
PUNALUU III	1.02
KALUANUI	1.32
MAAKUA	0.16
HAUULA	0.27
WELLS SUBTOTAL:	12.42
WAIM. TUNNELS & II	0.00
WAIM. TUNNELS III&IV	0.19
WAIHEE INCL. WELLS	0.59
WAIHEE TUNNEL	5.18
LULUKU TUNNEL	0.13
HAIKŲ TUNNEL	0.98
KAHALUU TUNNEL	1.48
GRAVITY SUBTOTAL:	8.55
WIND. SUBTOTAL:	20.97

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.40
OPANA	0.13
WAIALEE 1	0.41
WAIALEE II	0.67
HALEIWA	0.00
WAIALUA	2.26
N.SHORE SUBTOTAL:	3.87

MILILANI (4)	
MILILANI	3.50
MILILANI II	0.00
MILILANI III	1.14
MILILANI IV	0.98
MILILANI SUBTOTAL:	5.62

WAHIAWA (5)	
WAHIAWA	1.01
WAHIAWA II	2.39
WAHIAWA SUBTOTAL:	3.39

PEARL CITY-HALAWA (6)	
HALAWA 277	0.78
HALAWA 550	0.00
AIEA	1.32
AIEA GULCH 497	0.00
AIEA GULCH 550	0.24
KAONOHI I	1.34
WAIMALU I	0.00
NEWTOWN	1.55
WAIAU	1.50
PEARL CITY I	0.84
PEARL CITY II	1.27
PEARL CITY III	0.23
PEARL CITY SHAFT	0.00
PEARL CITY-HALAWA SUBTOTAL:	9.07

STATION	MGD
WAIPAHU-EWA (7)	
WAIPIO HTS.	1.86
WAIPIO HTS. I	0.98
WAIPIO HTS. II	0.44
WAIPIO HTS. III	1.40
WAIPAHU	3.90
WAIPAHU II	2.29
WAIPAHU III	2.27
WAIPAHU IV	3.13
KUNIA I	4.95
KUNIA II	2.55
KUNIA III	1.40
HOAEAE	6.30
HONOULIULI I	0.00
HONOULIULI II	6.65
MAKAKILO	0.30
WAIPAHU-EWA SUBTOTAL	38.42

WAIANAE (8)	
MAKAHA I	0.00
MAKAHA II	0.52
MAKAHA III	1.21
MAKAHA V	0.89
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.09
WAIANAE I	0.33
WAIANAE II	0.00
WAIANAE III	0.74
WELLS SUBTOTAL:	3.78
WAIA. C&C TUNNEL	1.40
WAIA. PLANT. TUNNELS	0.16
GRAVITY SUBTOTAL:	1.56
WAIANAE SUBTOTAL:	5.34

NONPOTABLE

110111 0111000		
NONPOTABLE	MGD	
KALAUAO SPRINGS	0.37	
BARBERS POINT WELL	1.34	
GLOVER TUNNEL NP	0.31	
NONPOTABLE TOTAL:	2.02	

RECYCLED WATER (MAY 2020)

RECYCLED WATER	MGD
HONOULIULI WRF R-1	8.30
HONOULIULI WRF RO	1.32
RECYCLED WATER TOTAL:	9.62

PRODUCTION, HEAD AND RAINFALL REPORT MONTH OF JUNE 2020

PRODUCTION SUMMARIES

TOTAL WATER	MGD
PUMPAGE	137.62
GRAVITY	10.51
POTABLE TOTAL:	148.13
NONPOTABLE	2.02
RECYCLED WATER	9.62
TOTAL WATER:	159 77

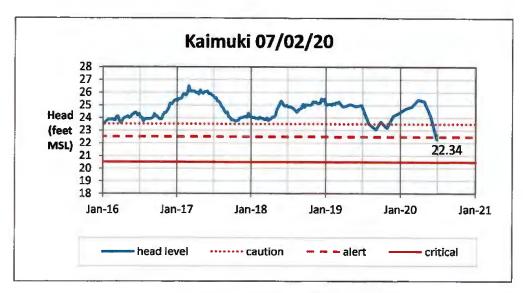
CWRM PERMITTED USE AND BWS ASSESSED YIELDS FOR BWS POTABLE SOURCES				
	WATER USE DISTRICTS	A PERMITTED USE/ BWS YLDS	B JUN 2020	C DIFF. A-B
1	HONOLULU	82.93	61.04	21.89
2	WINDWARD	25.02	15.20	9.82
3	NORTH SHORE	4.70	3.87	0.82
4	MILILANI	7.53	5.62	1.91
5	WAHIAWA	4.27	3.39	0.88
6	PEARL CITY-HALAWA	12.25	9.07	3.18
7	WAIPAHU-EWA	50.63	38.42	12.21
8	WAIANAE	4.34	3.78	0.56
	TOTAL:	191.67	140.40	51.27

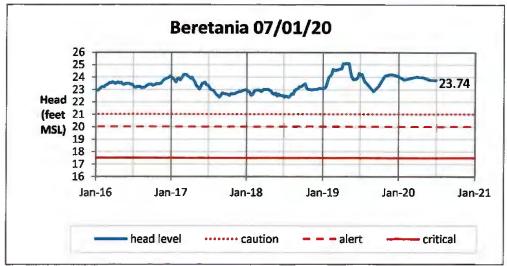
	CWRM PERMIT NONPOTAL	TED USE FOR BLE SOURCE		
		Α	В	С
WATER USE DISTRICTS		PERMITTED	JUN	DIFF.
		USE	2020	A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.34	-0.34
	TOTAL:	1.00	1,34	-0.34

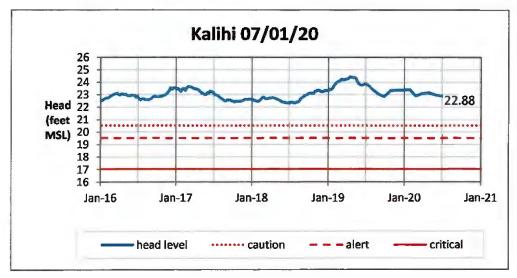
EFFECTIVE WATER DEMAND PER DISTRICT

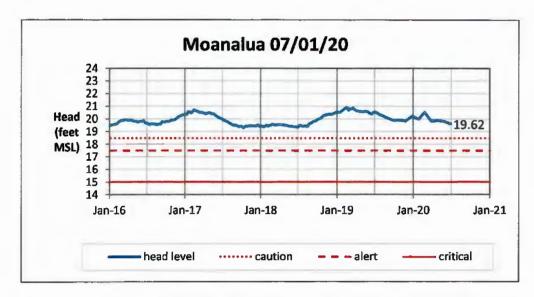
IMPOR	RT/EXP	ORT BETWEEN WATER US	SE DISTRICTS
FROM	то		MGD
2	1_	WINDWARD EXPORT	1.83
7	8	BARBERS PT LB	5,44

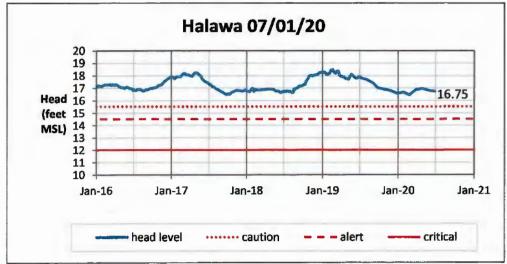
	WATER USE DISTRICTS	SUBTOTAL	IMPORT	EXPORT	EFFECTIVE WATER DEMAND
1	HONOLULU	61.04	1.83		62.87
2	WINDWARD	15.20	•	1.83	13.37
3	NORTH SHORE	3.87	-		3.87
4	MILILANI	5.62	•		5.62
5	WAHIAWA	3.39	-		3.39
6	PEARL CITY-HALAWA	9.07			9.07
7	WAIPAHU-EWA	38.42		5.44	32.99
8	WAIANAE	3.78	5.44	-	9.21
	TOTAL:	140.40	7.27	7.27	140.40

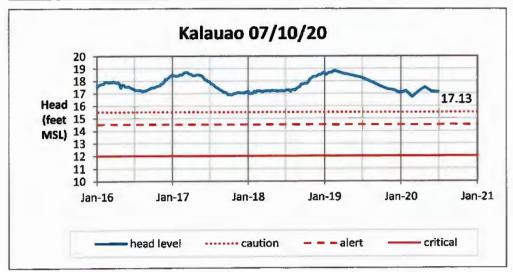


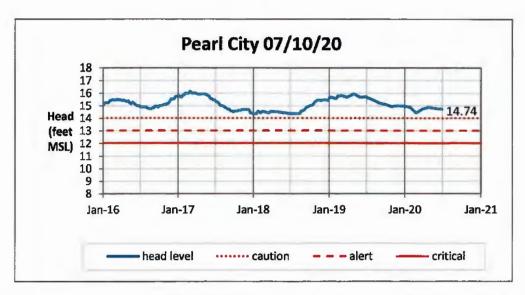


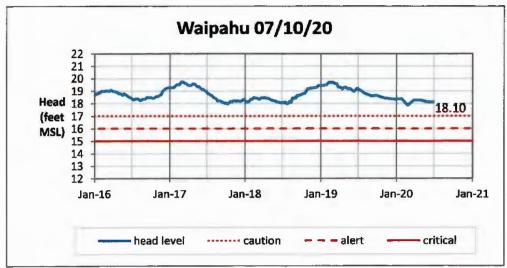


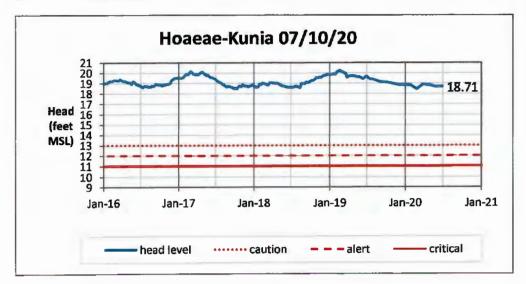


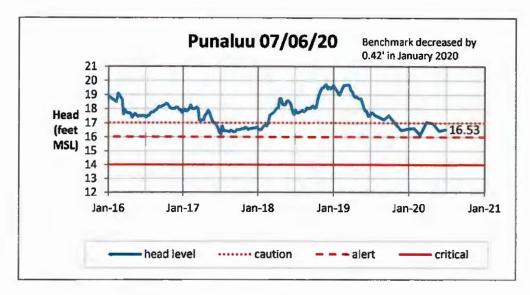


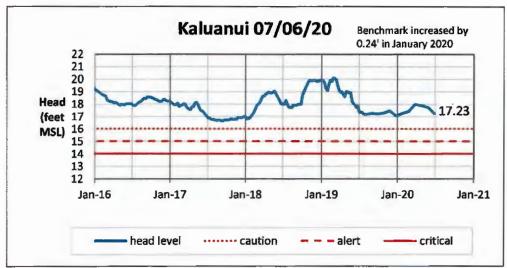


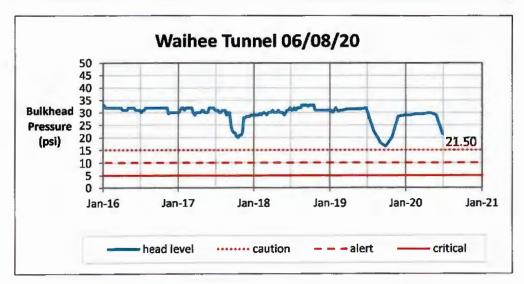


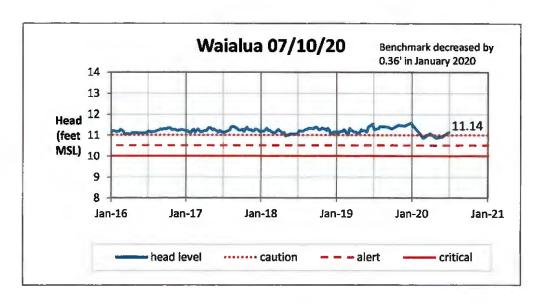


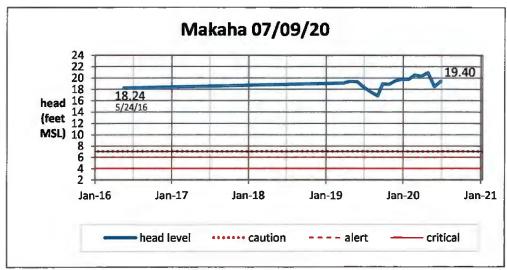


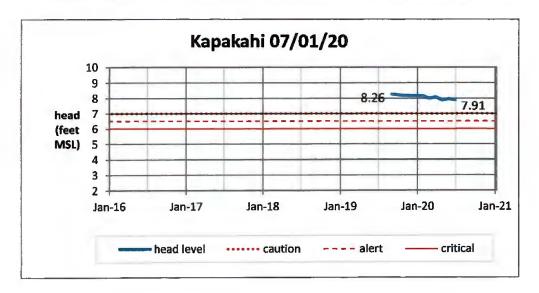


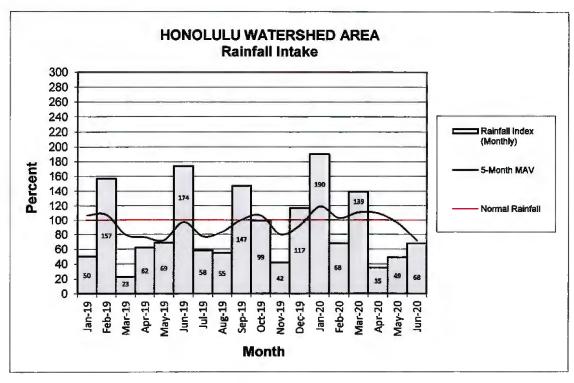


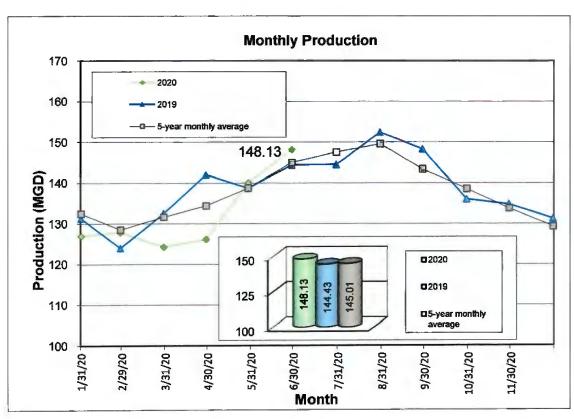












Chair and Members Board of Water Supply City and County of Honolulu Honolulu, Hawaii 96843

Chair and Members:

Subject: Status Update of Groundwater Levels at All Index Stations

There were two aquifer index wells within low groundwater status for the production month of July 2020. Kaimuki and Punaluu are in Caution status. The monthly production average for July 2020 was 145.20 million gallons per day (MGD).

The Board of Water Supply rainfall index for the month of July 2020 was 92 percent of normal, with a 5-month moving average of 77 percent. As of August 4, 2020, the Hawaii Drought Monitor shows abnormally dry conditions for most of leeward Oahu from Honolulu to Makaha to Haleiwa, with moderate drought conditions in the Ewa, Waipahu, and Kapolei areas. The National Weather Service is predicting below average rainfall from August 2020 through the fall months.

Most monitoring wells are exhibiting static to slightly decreasing trends, likely due to increased pumping during the summer dry season.

Production for July 2020 was slightly higher compared to the previous year.

Respectfully Submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

Mr. Barry Usagawa, Program Administrator, Water Resources Division, gave the report. There were no comments or discussions.

PRODUCTION, HEAD AND RAINFALL REPORT MONTH OF JULY 2020

POTABLE

STATION	MGD
HONOLULU (1)	
KULIOUOU	0.11
WAILUPE	0.14
AINA KOA	0.14
AINA KOA II	0.63
MANOA II	0,94
PALOLO	1.16
KAIMUKI HIGH	2.42
KAIMUKI LOW	4.55
WILDER	6.71
BERETANIA HIGH	2.63
BERETANIA LOW	1.22
KALIHI HIGH	3.17
KALIHI LOW	2.22
KAPALAMA	0.77
KALIHI SHAFT	7.91
MOANALUA	1.36
HALAWA SHAFT	6.54
KAAMILO	0.89
KALAUAO	5.81
PUNANANI	7.63
KAAHUMANU	0.28
HECO WAIAU	2.69
MANANA	0.31
WELLS SUBTOTAL:	60.23
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.23
GRAVITY SUBTOTAL:	0.40
HONO. SUBTOTAL:	60.63

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.43
WAIMANALO III	0.00
KUOU I	1.70
KUOU II	0.04
KUOU III	0.79
LULUKU	0.92
HAIKU	0.00
IOLEKAA	0.00
KAHALUU	0.72
KAHANA	1.00
PUNALUU I	0.00
PUNALUU II	3.85
PUNALUU III	1.07
KALUANUI	1.24
MAAKUA	0.30
HAUULA	0.27
WELLS SUBTOTAL:	12.33
WAIM. TUNNELS I & II	0.00
WAIM. TUNNELS III&IV	0.19
WAIHEE INCL. WELLS	0.59
WAIHEE TUNNEL	5.76
LULUKU TUNNEL	0.09
HAIKU TUNNEL	0.97
KAHALUU TUNNEL	1.35
GRAVITY SUBTOTAL:	8.95
WIND. SUBTOTAL:	21.27

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.43
OPANA	0.10
WAIALEE I	0.41
WAIALEE II	0.68
HALEIWA	0.00
WAIALUA	2.10
N.SHORE SUBTOTAL:	3.72

MILILANI (4)	
MILILANI	2.53
MILILANI II	0.00
MILILANI III	0.79
MILILANI IV	2.03
MILILANI SUBTOTAL:	5.34

WAHIAWA (5)	
WAHIAWA	1.15
WAHIAWA II	2.16
WAHIAWA SUBTOTAL:	3.32

PEARL CITY-HALAWA (6)	
HALAWA 277	0.79
HALAWA 550	0.00
AIEA	1.32
AIEA GULCH 497	0.00
AIEA GULCH 550	0.22
KAONOHII	1.27
WAIMALUI	0.00
NEWTOWN	1.12
WAIAU	1.07
PEARL CITY I	0.82
PEARL CITY II	1.22
PEARL CITY III	0.23
PEARL CITY SHAFT	0.74
PEARL CITY-HALAWA SUBTOTAL:	8.80

STATION	MGD
WAIPAHU-EWA (7)	
WAIPIO HTS.	1.47
WAIPIO HTS. I	0.83
WAIPIO HTS. II	0.44
WAIPIO HTS. III	1.27
WAIPAHU	3.58
WAIPAHU II	2.13
WAIPAHU III	4,07
WAIPAHU IV	3.20
KUNIA I	4.33
KUNIA II	2.28
KUNIA III	1.44
HOAEAE	5.81
HONOULIULI I	0.00
HONOULIULI II	6.65
MAKAKILO	0.25
WAIPAHU-EWA SUBTOTAL:	37.75

WAIANAE (8)	
MAKAHA I	0.00
MAKAHA II	0.30
MAKAHA III	0.80
MAKAHA V	0.34
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.04
WAIANAE I	0.15
WAIANAE II	0.53
WAIANAE III	0.63
WELLS SUBTOTAL:	2.81
WAIA. C&C TUNNEL	1.40
WAIA. PLANT. TUNNELS	0.16
GRAVITY SUBTOTAL:	1.56
WAIANAE SUBTOTAL:	4.37

NONPOTABLE

NONPOTABLE	MGD
KALAUAO SPRINGS	0.36
BARBERS POINT WELL	1.35
GLOVER TUNNEL NP	0.31
NONPOTABLE TOTAL:	2.03

RECYCLED WATER (JUNE 2020)

•	
RECYCLED WATER	MGD
HONOULIULI WRF R-1	8.66
HONOULIULI WRF RO	1.39
RECYCLED WATER TOTAL:	10.05

PRODUCTION, HEAD AND RAINFALL REPORT MONTH OF JULY 2020

PRODUCTION SUMMARIES

TOTAL WATER	MGD
PUMPAGE	134.30
GRAVITY	10.91
POTABLE TOTAL:	145.20
NONPOTABLE	2.03
RECYCLED WATER	10.05
TOTAL WATER:	157.28

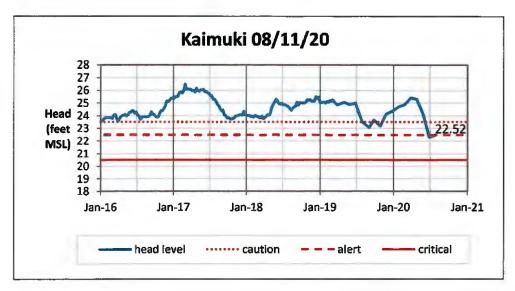
CWF	RM PERMITTED USE AND BW	S ASSESSED Y	ELDS FO	R BWS				
	POTABLE S	OURCES						
A B								
	WATER USE DISTRICTS	PERMITTED	JUL	DIFF.				
		USE/ BWS YLDS	2020	A-B				
1	HONOLULU	82.93	60.23	22.70				
2	WINDWARD	25.02	14.93	10.09				
3	NORTH SHORE	4.70	3.72	0.98				
4	MILILANI	7.53	5.34	2.19				
5	WAHIAWA	4.27	3.32	0.95				
6	PEARL CITY-HALAWA	12.25	8.80	3.45				
7	WAIPAHU-EWA	50.63	37.75	12.88				
8	WAIANAE	4.34	2.81	1.53				
	TOTAL:	191.67	136.90	54.77				

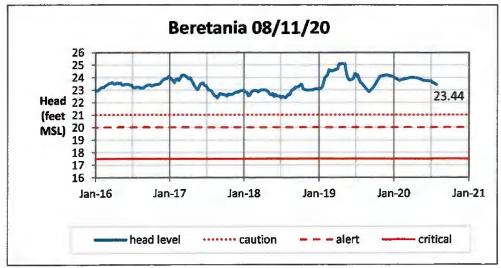
	CWRM PERMIT NONPOTA	TED USE FOR BLE SOURCE		
		Α	В	С
WATER USE DISTRICTS		PERMITTED USE	JUL 2020	DIFF. A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.35	-0.35
-	TOTAL:	1.00	1.35	-0.35

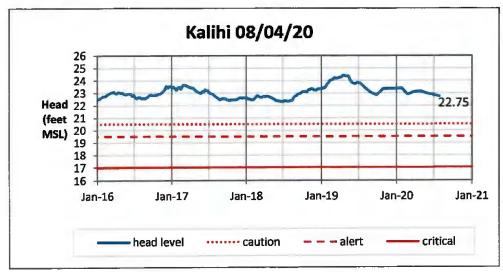
EFFECTIVE WATER DEMAND PER DISTRICT

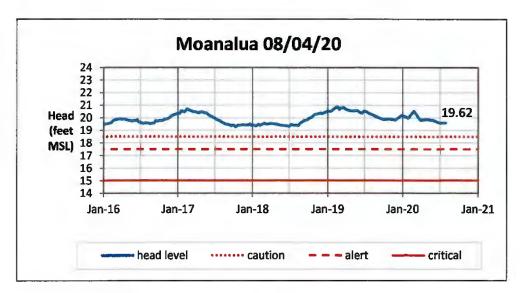
IMPORT/EXPORT BETWEEN WATER USE DISTRICTS							
FROM	TQ		MGD				
2	1	WINDWARD EXPORT	2.03				
7	8	BARBERS PT LB	5.64				

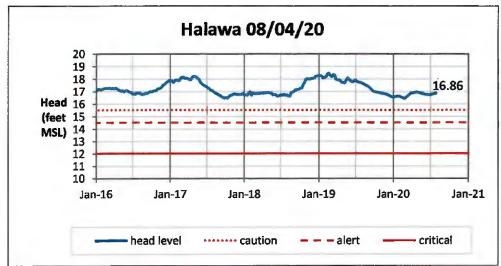
WATER USE DISTRICTS		NATER USE DISTRICTS SUBTOTAL IM		EXPORT	EFFECTIVE WATER DEMAND	
1	HONOLULU	60.23	2.03	-	62.26	
2	WINDWARD	14.93	-	2.03	12.90	
3	NORTH SHORE	3.72	-		3.72	
4	MILILANI	5.34	-		5,34	
5	WAHIAWA	3.32		-	3.32	
6	PEARL CITY-HALAWA	8.80		-	8.80	
7	WAIPAHU-EWA	37.75	•	5.64	32.11	
8	WAIANAE	2.81	5.64		8.44	
	TOTAL:	136.90	7.67	7.67	136.90	

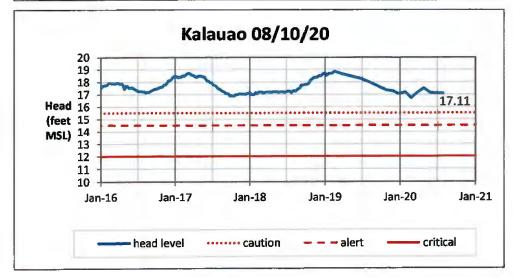


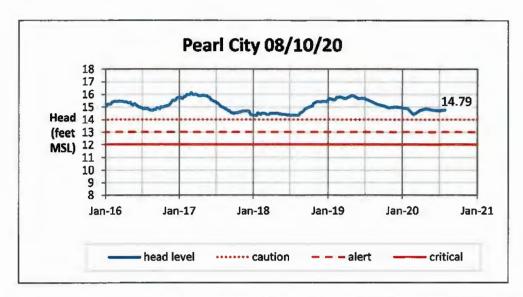


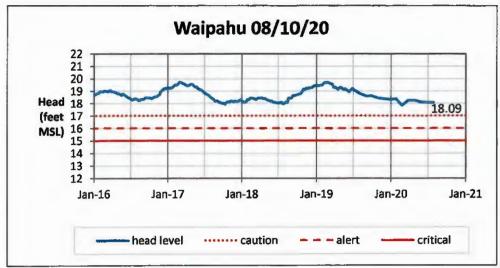


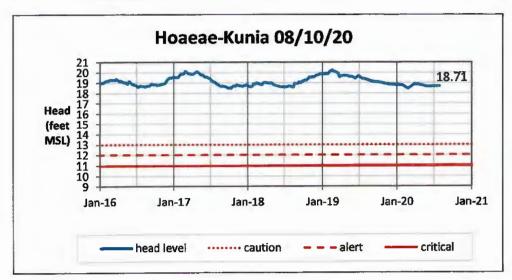


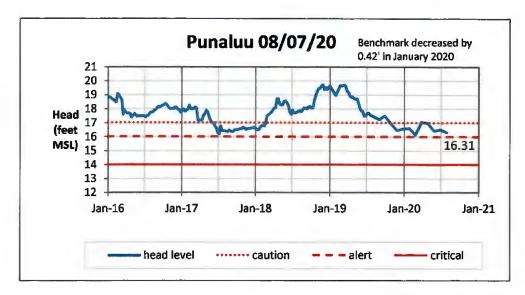


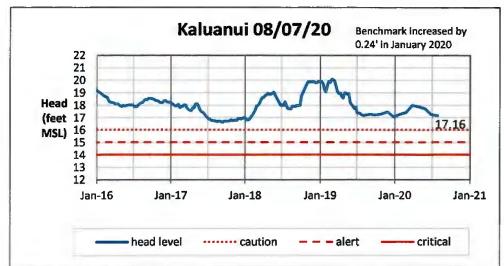


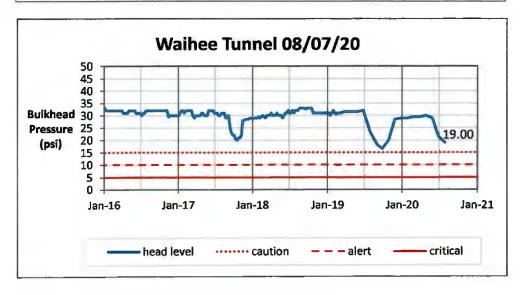


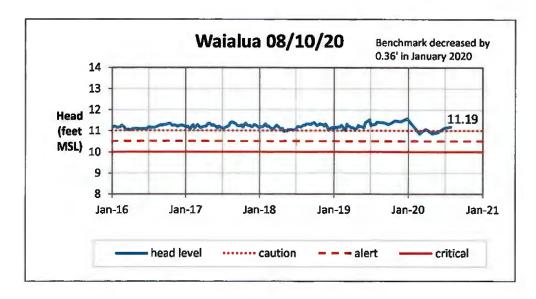


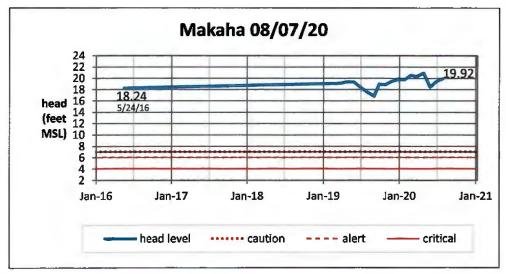


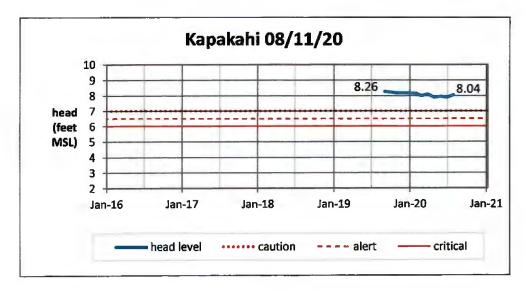


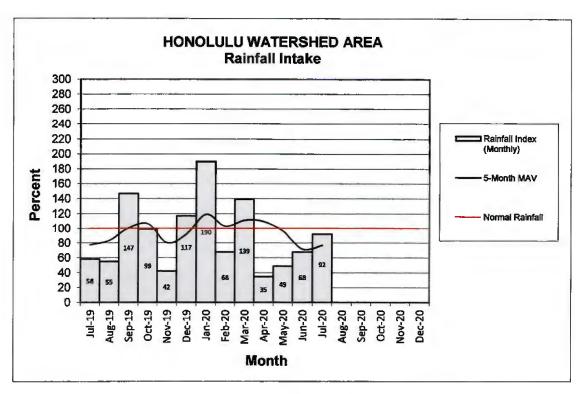


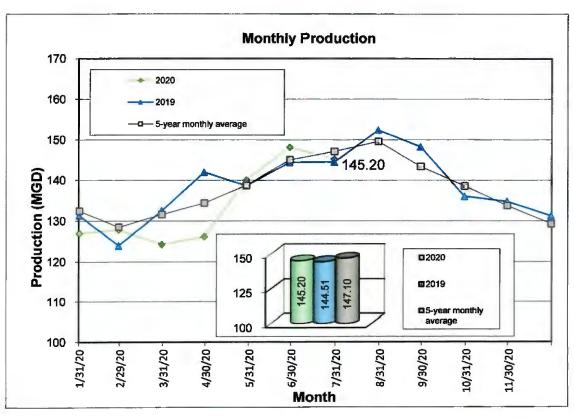












ITEM FOR INFORMATION NO. 8

"August 24, 2020

WATER MAIN REPAIR REPORT FOR JUNE AND JULY 2020 Chair and Members Board of Water Supply City and County of Honolulu Honolulu, Hawaii 96843

Chair and Members:

Subject: Water Main Repair Report for June 2020

Michael Fuke, Program Administrator, Field Operations Division, will report on water main repair work for the month of June 2020.

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION: Mr. Michael Fuke, Program Administrator, Field Operations Division, gave

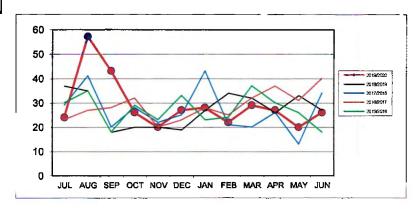
the report. There were no comments or discussions.

WATER MAIN REPAIR REPORT

for June 2020

	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2019/2020	24	57	43	26	20	27	28	22	29	27	20	26	349
2018/2019	37	35	18	20	20	19	27	34	32	26	33	27	328
2017/2018	29	41	20	28	22	25	43	21	20	26	13	34	322
2016/2017	23	27	28	32	20	23	28	25	32	37	31	40	346
2015/2016	30	35	18	29	23	33	23	24	37	30	26	18	326

Date	Address	Size (In)	Pipe Type
6/1/2020	3468 Leahi Ave, Honolulu	8	CI
6/1/2020	1618 Gulick Ave, Honolulu	6	Ci
6/2/2020	1028 Auahi St, Honolulu	12	CI
6/4/2020	20 Dowsett Ave, Honolulu	8	PVC
6/4/2020	301 California Ave, Wahiawa	4	CI
6/8/2020	86-246 Kuwale Rd, Waianae	8	CI
6/9/2020	2517 Ala Wai Blvd, Honolulu	6	CI
6/11/2020	1253 Pihana St, Honolulu	8	CI
6/11/2020	2151 Hillcrest St, Honolulu	6	Cl
6/12/2020	1626 Kealia Dr, Honolulu	6	CI
6/13/2020	2179 10th Ave, Honolulu	12	CI
6/13/2020	7405 Kalanianaole Hwy, Honolulu	8	Cl
6/15/2020	1284 Akele St, Kailua	8	CI
6/17/2020	92-624 Makakilo Dr, Kapolei	8	Cl
6/17/2020	51-426 Lihimauna Rd, Kaaawa	8	CI
6/17/2020	461 Kaonohi St, Aiea	12	CI
6/17/2020	98-818 Kaonohi St, Aiea	12	CI
6/17/2020	1016 Aalapapa Dr, Kailua	12	PVC
6/18/2020	1528 Ala Aolani St, Honolulu	12	CI
6/18/2020	86-029 Glenmonger St, Waianae	8	PVC
6/20/2020	2386 10th Ave Pl, Honolulu	12	Cl
6/21/2020	6685 Hawaii Kai Dr, Honolulu	24	CI
6/21/2020	511 Auwina St, Kailua	8	AC
6/24/2020	47-184 Kamehameha Hwy, Kaneohe	6	CI
6/29/2020	85-1616 Haleahi Rd, Waianae	12	DI
6/29/2020	944 Kaluanui Rd, Honolulu	8	CI



15 miles of pipeline were surveyed by the Leak Detection Team in the month of June.

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

Chair and Members:

Subject: Water Main Repair Report for July 2020

Michael Fuke, Program Administrator, Field Operations Division, will report on water main repair work for the month of July 2020.

Respectfully submitted,

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

Attachment"

The foregoing was for information only.

DISCUSSION:

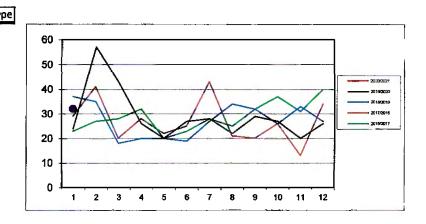
Mr. Michael Fuke, Program Administrator, Field Operations Division, gave the report. There were no comments or discussions.

WATER MAIN REPAIR REPORT

for July 2020

_	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2020/2021	32			[32
2019/2020	24	57	43	26	20	27	28	22	29	27	20	26	349
2018/2019	37	35	18	20	20	19	27	34	32	26	33	27	328
2017/2018	29	41	20	28	. 22	25	43	21	20	26	13	34	322
2016/2017	23	27	28	32	20	23	28	25	32	37	31	40	346

ı	Date	Address	Size (In)	Dino Tuo
Į				Pipe Typ
	7/1/2020	2048 Kapiolani Blvd, Honolulu	6	CI
	7/3/2020	91-251 Fort Weaver Rd, Ewa Beach	8	CI
	7/5/2020	67-002 Kaimanu Pl, Waialua	4	CI
	7/7/2020	731 Kamehameha Hwy, Pearl City	8	CI
	7/8/2020	59-555 Akanoho Pl, Haleiwa	8	CI
	7/9/2020	801 Moowaa St, Honolulu	8	CI
	7/11/2020	5639 Kawaikui St, Honolulu	6	CI
	7/11/2020	99-537 Kahilinai Pl, Aiea	8	CI
	7/11/2020	830 Auloa Rd, Kailua	12	CI
	7/13/2020	85-189 McArthur St, Waianae	8	PVC
	7/13/2020	1447 Queen Emma St, Honolulu	6	CI
	7/14/2020	1503 Kalauipo St, Pearl City	8	CI
	7/14/2020	1778 Hoowae St, Pearl City	8	CI
	7/15/2020	59-425 Makana Rd, Haleiwa	8	CI
	7/15/2020	94-267 Hiwahiwa Pl, Waipahu	8	CI
	7/16/2020	2293 Waiomao Rd, Honolulu	6	CI
	7/17/2020	98-1109 Komo Mai Dr, Pearl City	12	Cl
	7/17/2020	84 Makaweo Ave, Wahiawa	6	CI
	7/17/2020	59-371 Makana Rd, Haleiwa	8	Cl
	7/20/2020	6983 Kalanianaole Hwy, Honolulu	24	PVC
	7/20/2020	240 Ilima St, Wahiawa	8	PVC
	7/21/2020	623 Analu St, Honolulu	4	CI
	7/22/2020	94-211 Leonui St, Waipahu	8	CI
	7/22/2020	91-608 Pupu St, Ewa Beach	8	CI
	7/24/2020	916 Pueo St, Honolulu	8	CI
	7/24/2020	1024 Queen St, Honolulu	6	Ci
	7/25/2020	1687 Kanapuu Dr, Kailua	12	PVC
	7/27/2020	53-400 Kamehameha Hwy, Hauula	30	CC
	7/29/2020	1389 Akalani Lp, Kailua	8	CI
	7/30/2020	46-142 Ohala St, Kaneohe	8	CI
	7/31/2020	1756 Kamehameha IV Rd, Honolulu	8	CI
	7/31/2020	535 Dillingham Blvd, Honolulu	12	CI



 ${\bf 13}$ miles of pipeline were surveyed by the Leak Detection Team in the month of July.

MOTION TO ADJOURN There being no further business Chair Andaya at 3:54 PM called for a motion to adjourn the Open Session. Jade Butay so moved; seconded by Ray Soon and unanimously carried.

THE MINUTES OF THE REGULAR SESSION BOARD MEETING ON AUGUST 24, 2020 WERE APPROVED AT THE SEPTEMBER 28, 2020 BOARD MEETING							
		ſ					
	AYE	NO	ABSTAIN	COMMENT			
BRYAN P. ANDAYA	х						
KAPUA SPROAT	х						
RAY C. SOON	х						
MAX J. SWORD				ABSENT			
ROSS S. SASAMURA	Х						
JADE T. BUTAY	x						

The minutes of the Regular Meeting held on August 24, 2020 are respectfully submitted,

APPROVED:

BRYAN P. ANDAYA Chair of the Board

SEP 2 8 2020

Date