

MINUTES

REGULAR MEETING OF THE BOARD OF WATER SUPPLY

March 25, 2013

At 2:01 PM on March 25, 2013 in the Board Room of the Public Service Building at 630 South Beretania Street, Honolulu, Hawaii, Board Chair Miyashiro called to order the Regular Meeting.

Present: Duane R. Miyashiro, Board Chair
Mahealani Cypher, Vice Chair
Theresa C. McMurdo (arrived at 2:05 p.m.)
Ross S. Sasamura
Glenn M. Okimoto

Also Present: Ellen Kitamura, Deputy Manager and Chief Engineer
Dymian Racoma
Alex Ubiadas
Daryl Hiromoto
Barry Usagawa
Karen Tom
Paul Kikuchi
Stuart Wong
Jonathan Suzuki
Susan Uyesugi

Others Present: Krishna Jayaram, Deputy Corporation Counsel
Marilyn Ushijima, Deputy Corporation Counsel
Mark Mekaru, SAIC

Absent: Kaulana H. R. Park
Adam C. Wong

APPROVAL
OF MINUTES

Approval of the Minutes of the Regular Meeting held on February 25, 2013

MOTION
TO APPROVE

Ross Sasamura and Mahealani Cypher motioned and seconded, respectively, to approve the Minutes of the Regular Session Meeting of February 25, 2013. The motion was unanimously carried.

"March 25, 2013

TOPICS FOR
FUTURE BOARD
MEETINGS

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

Chairman and Members:

Subject: Topics for Future Board Meetings

We would like to take this time to allow the members of the Board to inform us of any topic or concern pertaining to Board of Water Supply operations that the Board would want addressed at future Board Meetings.

Respectfully submitted,

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

DISCUSSION:

Deputy Manager Kitamura informed the Board that they will be reporting on the Groundwater Alert Status and the ClearCom Agreement in future meetings.

During the March 25, 2013 Executive Session, Vice Chair Cypher requested an update on the Water Quality Report and requested a Budget Workshop Meeting. Ms. Kitamura will schedule both topics for future meetings. The Budget Workshop Meeting will be held sometime in May prior to the May Board meeting.

ITEM FOR INFORMATION NO. 1

"March 25, 2013

REVISION OF
THE 2012-2013
CIP BUDGET-
AMENDMENT
NO. 2

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

Chairman and Members:

Subject: Revision of the 2012-2013 Capital Improvement
Program Budget – Amendment No. 2

The current Capital Improvement Program (CIP) Budget shall be amended as described below:

		<u>Appropriation</u>	
		<u>Present</u>	<u>Proposed</u>
1.	Add the following CIP projects and appropriations:		
	<u>Item No. 4A AUTOMATED METER READING (AMR) INFORMATIONAL STUDY</u>		
	OPERATING FUND P&E	--	400,000
	This study will assess various water meter reading systems to include but not limited to manual meter reading, drive-by, fixed base or any combination of the aforementioned. This project will conduct a life cycle analysis for each of the various options and include a final recommendation.		
	<u>Item No. 19A KAPIOLANI BOULEVARD 12-INCH MAIN</u>		
	STATE REVOLVING FUND CONST	--	5,200,000
	The construction plans for this project, which was deferred from the previous fiscal year, has all necessary approvals and is ready to begin. Install 12-inch main and appurtenances along Kapiolani Boulevard from McCully Street to Date Street – approximately 3,370 lineal feet.		

<u>Appropriation</u>	
<u>Present</u>	<u>Proposed</u>

2. Delete the following CIP projects and appropriations:

Item No. 24 KAMILOIKI
BOOSTER REPAIR

OPERATING FUND	P&E	150,000	--
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The design of improvements to this facility is deferred and will be combined with a larger mechanical/electrical renovation to facilitate construction coordination.

Item No. 34 LUALUALEI LINE
BOOSTER IMPROVEMENTS

SPECIAL EXPENDABLE FUND	CONST	3,000,000	--
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Modifications to this project are required to address pump sizing and the plans for construction will not be ready this fiscal year.

3. Increase the appropriations for the following CIP projects:

Item No. 8 PUMP RENEWAL
AND REPLACEMENT

OPERATING FUND	P&E	500,000	2,088,000
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The projects originally limited to pump replacements and planned for in-house design have been expanded to address other deficiencies. Additional design services will be procured and construction deferred to upcoming fiscal years.

Item No. 33 PROFESSIONAL
SERVICES FOR BWS
PROJECTS

OPERATING FUND	P&E	320,000	795,000
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The requirements for professional services for construction management, archaeological monitoring and geotechnical investigations are greater than anticipated and additional funding is required.

		<u>Appropriation</u>	
		<u>Present</u>	<u>Proposed</u>

4. Decrease the appropriation for the following CIP project:

Item No. 5 PUMP RENEWAL
AND REPLACEMENT

OPERATING FUND	CONST	2,845,000	928,000
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The projects originally limited to pump replacements and planned for in-house design have been expanded to address other deficiencies. Additional design services will be procured and construction deferred to upcoming fiscal years.

5. Decrease the CIP Construction Cost Index Adjustment Account:

OPERATING FUND	3,335,000	738,600
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The appropriate pages of the current Capital Improvement Program budget will be revised for distribution.

Respectfully submitted,

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

DISCUSSION:

(Item No. 4A: Automated Meter Reading (AMR) Informational Study)
Ms. Kitamura explained that this study was initiated by Manager Lau based on issues being experienced with the current AMR system. The study was originally planned to be budgeted for next fiscal year, however, Mr. Lau wants to execute the project now because of various AMR component failures. Prior to AMR, the meter readers would manually get a read from each meter and at the same time inspect the meter box. Since the implementation of AMR, meter readers obtain readings from transceivers in their vehicles as they drive by, therefore, routine inspection of meter boxes are not always occurring. As a result, many meter boxes have been paved over, buried, or filled with water or dirt which adds to component failures. The study will assess various water meter reading systems including reverting back to manual meter reading, research current AMR technology used within the industry, and also conduct a workforce and organizational analysis. Customer Care Program Administrator Susan Uyesugi responded to Board Member McMurdo's inquiry stating that the AMR project was installed between 2000 and 2002.

(Item No. 19A: Kapiolani Boulevard 12-Inch Main) Ms. Kitamura stated that this main is approximately 75 years old and has experienced a number of main

breaks along the pipeline; therefore, they are requesting additional funding of \$5,200,000.

(Item No. 24: Kamiloiki Booster Repair) Ms. Kitamura explained that cracks found in the foundation of the pumps were determined to be normal wear and tear; therefore, they will incorporate this repair with the scheduled construction project for station renovation in 2014.

(Item No. 34: Lualualei Line Booster Improvements) Ms. Kitamura informed the Board that they will defer this project because staff recommended a design change from fixed speed pumps to variable speed pumps to provide for operational flexibility and energy efficiency. In response to Ms. Cypher's inquiry, Ms. Kitamura stated that they are not having problems with the line and explained that the original booster station has two 2-1/2 million gallon booster pumps and the current design calls for two 8 million gallon pumps which increase the pumpage capacity to meet future demands, however, the pumps were originally designed to be fixed as opposed to variable. Ms. Cypher inquired if the developer upsizes the design to be flexible, would they be required to pay the same kind of infrastructure fees normally required. Ms. Kitamura replied that the developer may choose to either pay the water system facilities charges for providing source, reservoir and transmission capacity, or they can install their own facilities and dedicate it to the BWS. In response to Ms. McMurdo's inquiries, Ms. Kitamura stated that they will probably defer this project to 2016 and the deferment will not affect service to existing customers. She added that there is a moratorium in the Waianae area that doesn't allow for developments using over 25,000 gallons per day, so in about four years, they will be able to look at the possibility of approving larger developments.

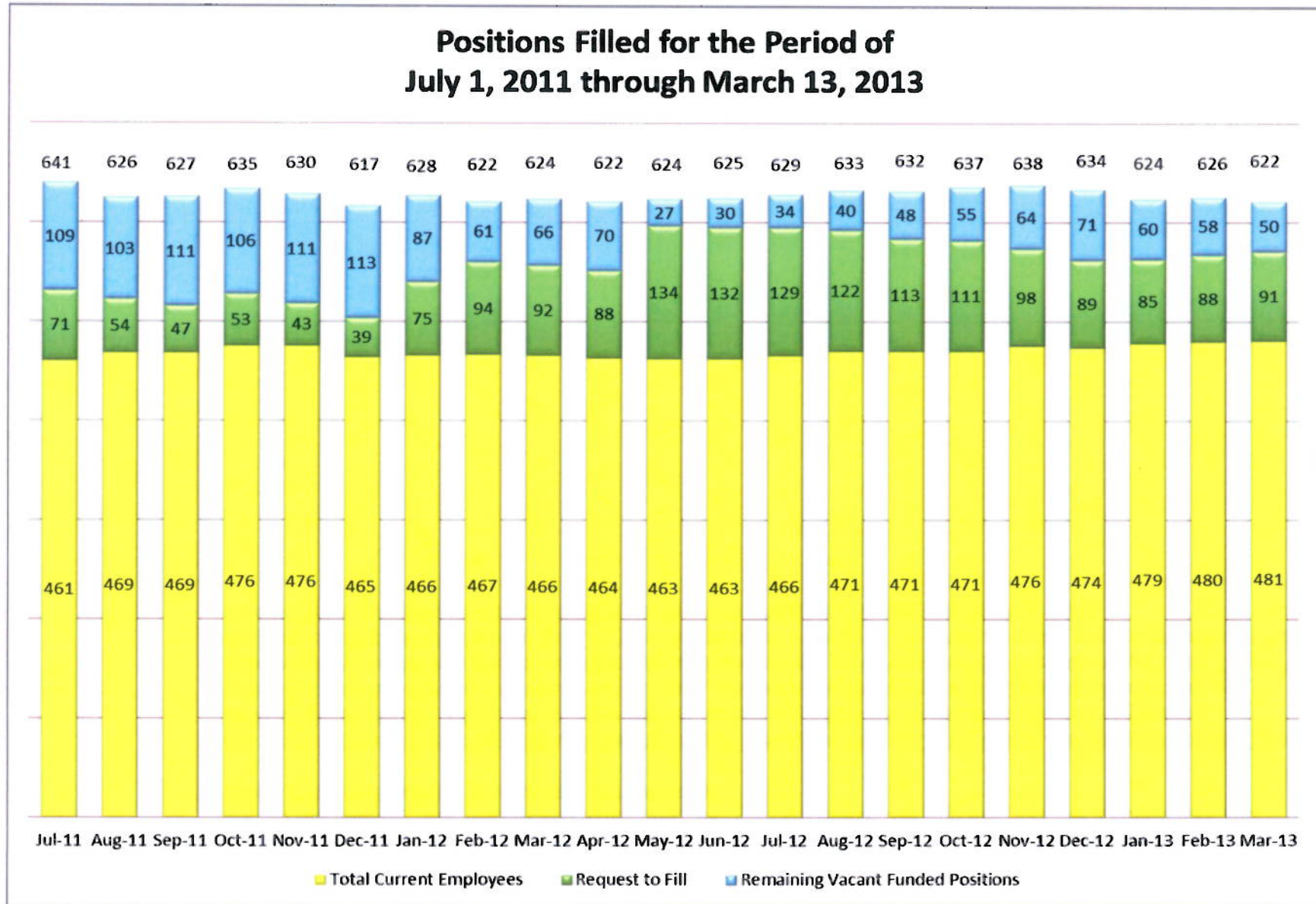
(Item No. 8: Pump Renewal and Replacement Design and Item No. 5: Pump Renewal and Replacement Construction) Ms. Kitamura stated that they are increasing the design appropriation and decreasing the construction appropriation because the Capital Projects and Water System Operations staff agreed that it would be more cost efficient and appropriate to do a complete design for certain pump replacement and renewal work before taking it to construction. Board Member Okimoto asked if the monies come from the operating fund and if it is cash money. Ms. Kitamura stated that the monies come from the operating fund and Stuart Wong of the Finance Division stated that it is cash money.

(Item No. 33: Professional Services for BWS Projects) Ms. Kitamura informed the Board that the increase in appropriation is due to the fact that actual requirements for construction management, archaeological monitoring, and geotechnical investigation services for the various scheduled projects have exceeded their earlier expectations.

(Decrease of the CIP construction Cost Index Adjustment Account)
Mr. Okimoto inquired about the difference between a CIP versus a maintenance type project because the booster repair is listed under CIP but would be more of a maintenance project. Ms. Kitamura explained that in the past, they had two separate programs. One was the Capital Improvement Program, which included

new large facilities, reservoirs and transmission mains and the other was the Research and Facility Improvement Program, which covered the various maintenance projects of BWS facilities. Currently, those two programs are combined into one and are distinguished by funding. Mr. Okimoto questioned how it was distinguished. As an example, Ms. Kitamura stated that the Lualualei Line Booster Improvement would be considered a CIP project as the funding comes from the special expendable fund which is from monies received through water systems facilities charges, or funding comes from the State Revolving Fund (SRF) for repair and replacement projects. Ms. Kitamura replied to Mr. Okimoto's inquiry stating that the SRF is a low interest loan received from the State used for some of the projects. Chief Financial Officer Paul Kikuchi responded to Mr. Okimoto's inquiry stating that the SRF is not a short term loan, but a 20 year loan. Mr. Okimoto stated that if it's for a 20 year loan, it should be used for a longer term project and not for repair projects. Mr. Kikuchi explained that some projects entitled repair and maintenance are actually renew and replacement projects that install brand new equipment so the asset life is actually being extended for a long period of time. Mr. Kikuchi confirmed Board Member Sasamura's inquiry stating that the last time there was a replacement project for this pump, the pump was in place for 30-40 years. Mr. Kikuchi added that these pump repair projects utilize motor controlled pump units that are really old technology so part of the redesign process is to upgrade the pumps to equip them with new technology.

ITEM FOR INFORMATION NO. 2



DISCUSSION:

Board Member McMurdo thanked Karen Tom of the Human Resources Office (HRO) for revising the graphs many times. Board Member Okimoto inquired about the numbers on the very top, asking why these numbers change. Ms. Tom agreed that these numbers, which represent the total funded positions for the fiscal year, should not change. For next month's meeting, Ms. Tom will revise this and also include a cumulative line graph which will indicate the number of new hires.

Ms. Tom informed the Board that with the closing of Tesoro on May 1, 2013, HRO, and possibly some of the BWS Division Heads, will be attending a job fair for two days to seek skilled sets such as mechanics, mechanical and electrical engineers, lab workers, and safety specialists. If the Division Heads have an interest, they can take applications, interview and hire people on a Personal Services Contract. The Tesoro employee would need to get on the City's recruitment list in order to be hired as a civil service permanent hire. Once a list is available, BWS can then open the recruitment and these people may apply.

ITEM FOR INVORMATION NO. 3

"March 25, 2013

GROUNDWATER
LEVELS

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

Chairman and Members:

Subject: Status Update of Groundwater Levels at All Index
Stations

There are three aquifer index wells within low groundwater status for the production week that ended on March 2, 2013. Punaluu, Kaimuki, and Kaluanui are all under a caution status. The weekly production average for the period was 131.23 million gallons per day.

The Board of Water Supply rainfall index for the month of February was 109 percent of normal, with a 5-month moving average of 74 percent. As of March 5, 2013, the U. S. Drought Monitor site reports unchanged D0 (abnormally dry) and D1 (moderate) conditions along the leeward coast. Head level recovery has been modest for the most part throughout the winter season.

Respectfully submitted,

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

Attachments"

The foregoing was for information only.

DISCUSSION: There were no comments or discussion.

PUMPAGE, HEAD, AND RAINFALL REPORT
Week of 2/24/13 to 3/02/13

STATION	MGD	HEAD	STATION	MGD	HEAD	STATION	MGD	HEAD		MGD	HEAD
METRO			WINDWARD			EWA-WAIAANAE (CONT)			PH (CONT)		
KULIOUOU	0.00					MAKAHA IV	0.00		PEARL CITY II	0.99	
WAILUPE	0.00		WAIMANALO II	0.30		MAKAHA V	0.92		PEARL CITY III	0.33	
WAIALAE-IKI	0.00		WAIMANALO III	0.46		MAKAHA VI	0.00		WAIU	1.79	
AINA KOA	0.43		KUOU I	0.56		MAKAHA SHAFT	0.14	10.35	NEWTOWN	1.45	
AINA KOA II	0.62		KUOU II	0.08		KAMAILE	0.00		KAONOHI I	0.71	
WAIALAE SHAFT	0.00		KUOU III	0.49		WAIAANAE I	0.10		WAIMALU I	0.00	
MANOA II	1.02		LULUKU I	1.04		WAIAANAE II	0.56		AIEA	0.00	
PALOLO	1.11		HAIKU	0.30		WAIAANAE III	0.00		AIEA GULCH 497	0.40	
KAIMUKI HIGH	2.55	22.81	IOLEKAA	0.01		MAKAKILO	0.00		AIEA GULCH 550	0.22	
KAIMUKI LOW	2.01		KAHALUU	0.49		HONOULIULI I	0.72		HALAWA 277	0.00	
WILDER	7.50		WAIHEE	0.00		HONOULIULI II	6.92		HALAWA 550	0.00	
BERETANIA HIGH	3.44	22.97	KAHANA	0.80		SUBTOTAL:	11.31		KAAHUMANU MTR (-)	0.00	
BERETANIA LOW	1.49		PUNALUU I	0.00	16.26	IMPORT FROM PH			KAAMILO FLO MTR (-)	0.00	
KALIHI HIGH	1.59	22.26	PUNALUU II	0.19		KAPOLEI LINE BSTR	1.30		KUNIA I	4.95	18.64
KALIHI LOW	1.34		PUNALUU III	1.27		HONOULIULI LB FLOW	12.98		KUNIA II	1.78	
KAPALAMA	1.40		KALUANUI	1.29		EWA BEACH FLOW	3.37		KUNIA III	1.37	
KALIHI SHAFT	8.40		MAAKUA	0.19		HONOULIULI I (-)	-0.72		HOAEAE	7.89	
MOANALUA	1.40	19.03	HAUULA	0.08		HONOULIULI II (-)	-6.92		EWA SHAFT	0.00	
SUBTOTAL:	34.29					SUBTOTAL:	10.01		WAIPAHU INTCON. (-)	-1.67	
			KAHUKU	0.36					EWA-WAIAANAE (-)	-10.01	
IMPORT FROM PH			OPANA	0.87		PEARL HARBOR			PH LOCAL USE:	24.53	
HALAWA SHAFT	6.53	16.57	WAIALEE I	0.17		WAHIAWA	2.55		TOTAL SUBURBAN:	57.32	
KAAMILO	0.00		WAIALEE II	0.00		WAHIAWA II	0.00				
KALAUAO	8.93	16.99	SUNSET BEACH	0.00		MILILANI I	2.62		KALAUAO SPRINGS	0.28	
PUNANANI	9.95		SUBTOTAL:	8.95		MILILANI II	0.00		BARBERS POINT (NP)	1.27	
KAONOHI II	0.00					MILILANI III	0.16		GLOVER TUNNEL (NP)	0.54	
WAIMALU II	0.00	15.02	WIND. EXPORT	0.50		MILILANI IV	1.62				
KAAHUMANU	0.81					WAIPIO HTS.	0.41		HEAD CONDITION		
HECO WAIU	2.85		HALEIWA-WAIALUA			WAIPIO HTS. I	0.26		CAUTION	ALERT	CRITICAL
MANANA	0.02		HALEIWA	0.80		WAIPIO HTS. II	0.00		Kaimuki		
KAHUMANU FLOW MT	0.00		WAIALUA	2.22		WAIPIO HTS. III	0.67		Punaluu		
KAAMILO FLOW MTR	0.00		SUBTOTAL:	3.02		WAIPAHU	1.67	18.38	Kaluanui		
TOTAL IMP/EXP WAI. INT:	1.67					WAIPAHU II	0.45				
IMPORT FRM WIND:	0.50		EWA-WAIAANAE			WAIPAHU III	1.32				
SUBTOTAL:	31.27		MAKAHA I	0.67		WAIPAHU IV	2.09				
			MAKAHA II	0.08		PEARL CITY SHAFT	0.00	14.76			
TOTAL METRO:	65.56		MAKAHA III	1.20		PEARL CITY I	0.52				

CWRM PERMITTED USE FOR BWS POTABLE SOURCES						PUMPAGE	2013	2012	GRAVITY	2013	2012
	A	B	C	D	E	SUBURB.	57.32	55.83	SUBURB.	8.04	9.67
WATER DISTRICTS	PERMITTED USE	2013	DIFF. B-A	YEAR/ DATE	DIFF. D-A	METRO	65.56	66.17	METRO	0.31	0.37
						TOTAL:	122.88	122.00	TOTAL:	8.35	10.04
HONOLULU	45.27	34.60	-10.66						Manoa	0.17	
WINDWARD	25.21	13.83	-11.38			NUUANU #5			Palolo	0.14	
NORTH SHORE	4.08	3.62	-0.46			(rainfall)	5.50"	2.14"	Waim. I&II	0.19	
WAHIAWA	4.27	2.55	-1.72						Waim. III&IV	0.19	
WAIAANAE	4.34	4.15	-0.19						Waihee incl.	0.99	
EWA-KUNIA	15.88	7.64	-8.24						Waihee tun.	3.10	
PEARL HARBOR	92.66	62.76	-29.90						Luluku	0.11	
TOTAL:	191.71	129.15	-62.56						Haiku	0.00	
									Kahaluu	1.78	
									Waia. C&C	1.37	
									Waia plant.	0.31	

DROUGHT STATUS REPORT
DRAFT IN MGD

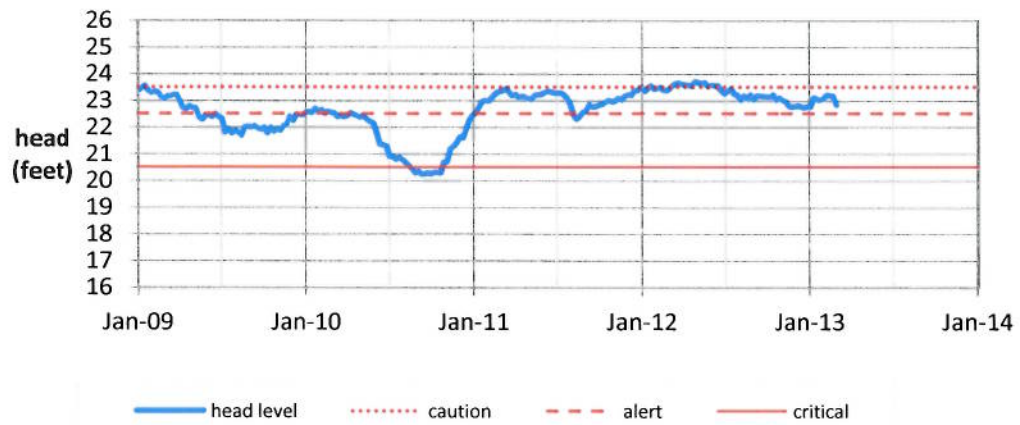
WATER USE DISTRICT	AUTHORIZED USE	2012	2/24-3/02 2013						
HONOLULU	45.27	32.53	35.10						
WINDWARD	25.21	15.57	13.41						
NORTH SHORE	4.08	3.08	4.42						
WAHIAWA	4.27	2.74	2.55						
EWA-WAIAANAE	20.22	19.08	23.00						
PEARL HARBOR	92.66	59.04	52.75						
TOTAL	191.71	132.04	131.23						

Accounts for in-district pumpage and transfers

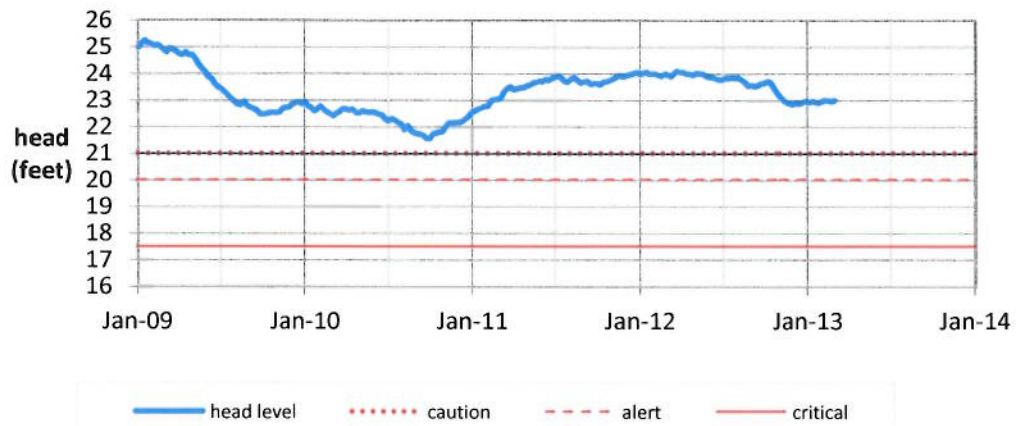
HEAD IN FEET

		2012	2/24-3/02 2013						
HONOLULU									
KAIMUKI		23.42	22.81						
BERETANIA		23.93	22.97						
KALIHI		22.90	22.26						
MOANALUA		19.30	19.03						
PEARL HARBOR									
HALAWA		16.95	16.57						
KALAUAO		17.24	16.99						
PEARL CITY		15.09	14.76						
WAIPAHAU		19.18	18.38						
KUNIA		19.24	18.64						
EWA-WAIAANAE									
MAKAHA		14.21	10.35						
WINDWARD									
PUNALUU		15.74	16.26						
KALUANUI		16.26	16.00						
NORTH SHORE									
WAIALUA		11.17	11.22						

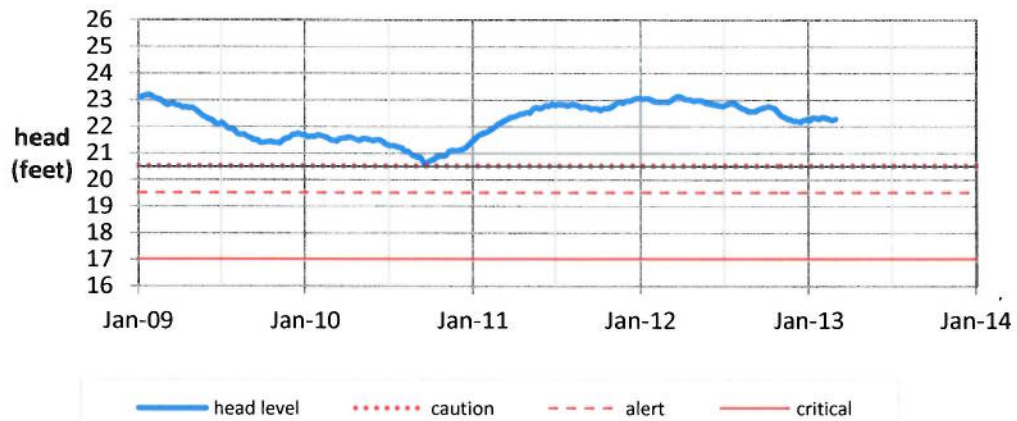
Kaimuki



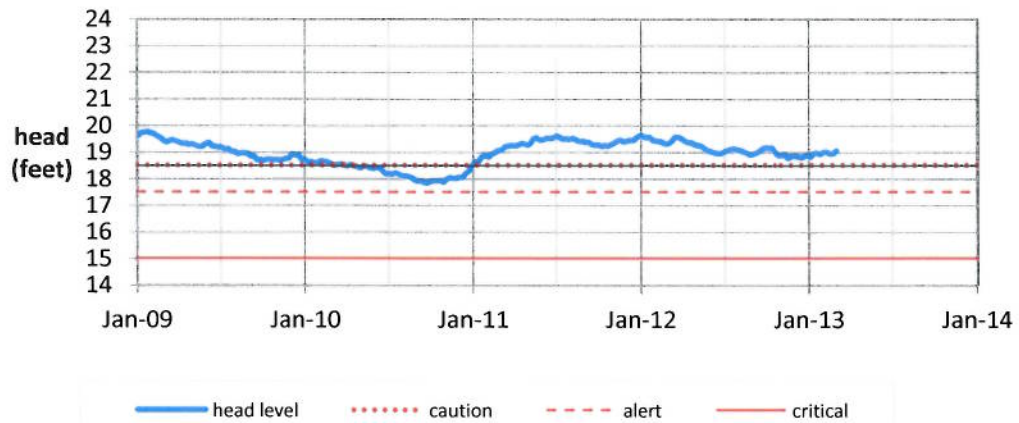
Beretania



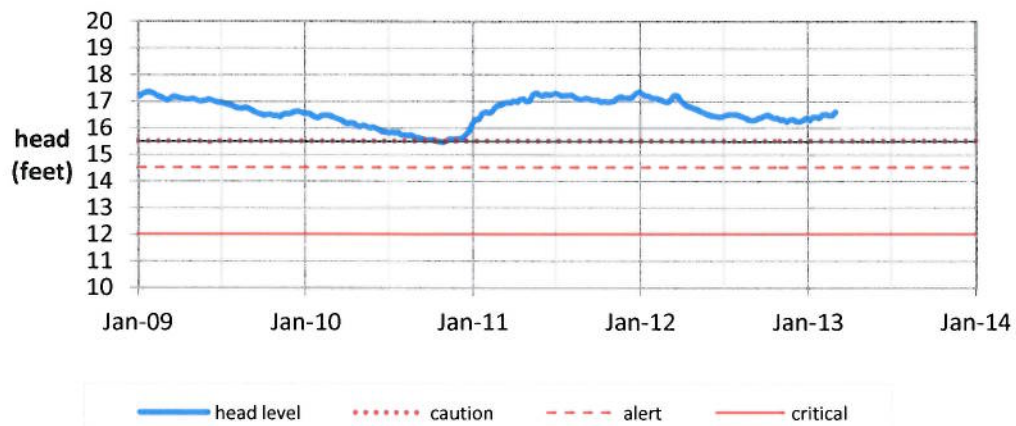
Kalihi



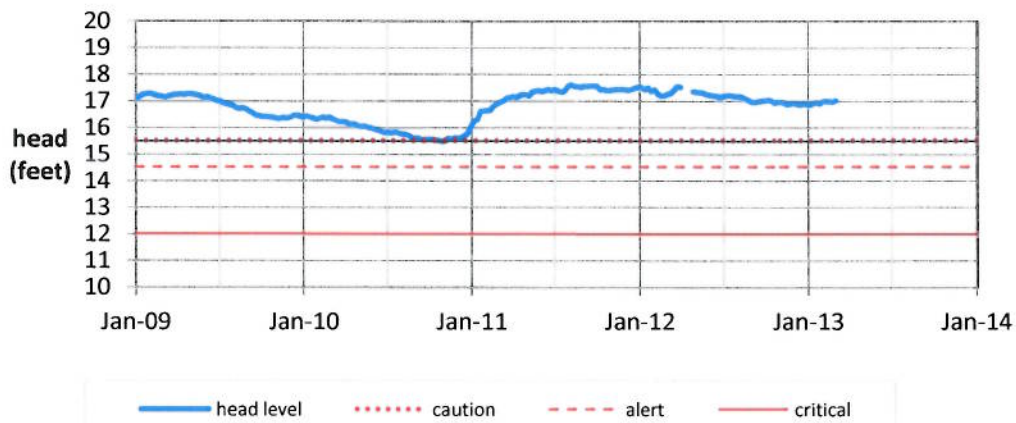
Moanalua



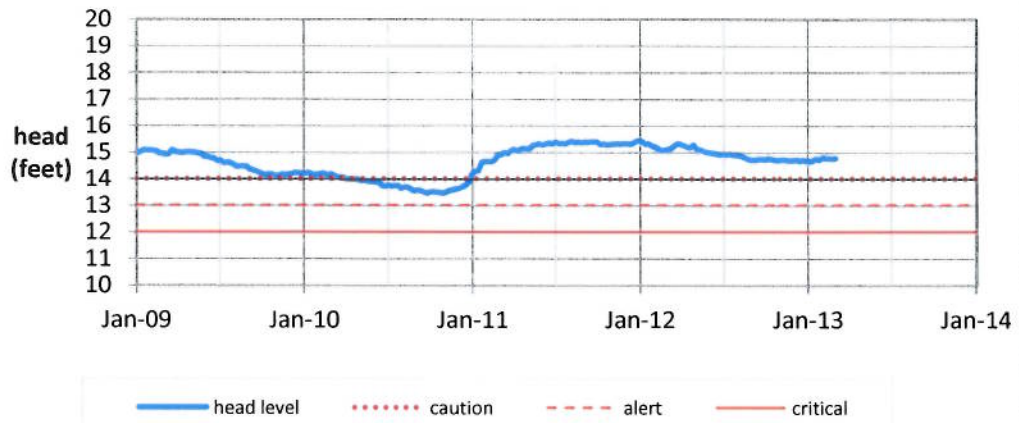
Halawa



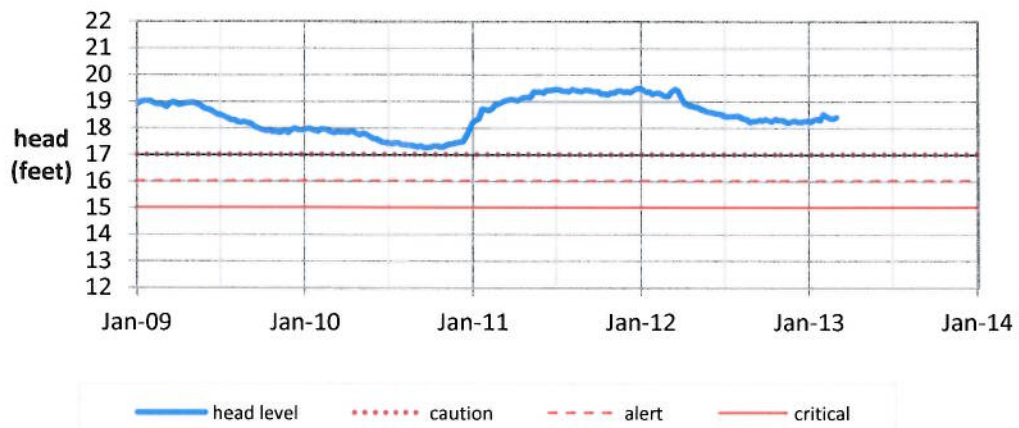
Kalauao



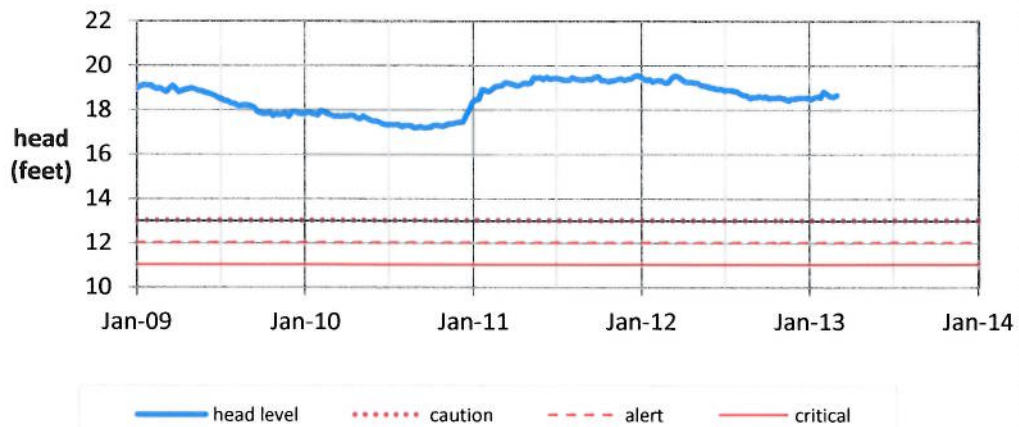
Pearl City



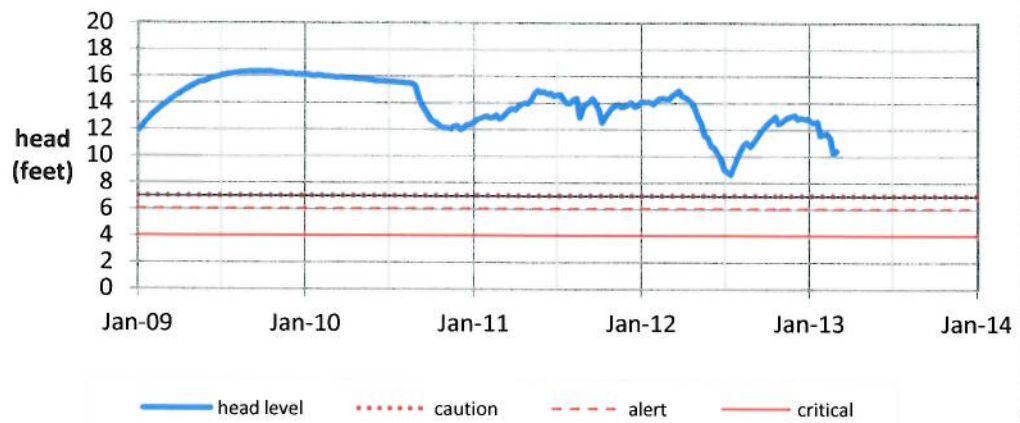
Waipahu



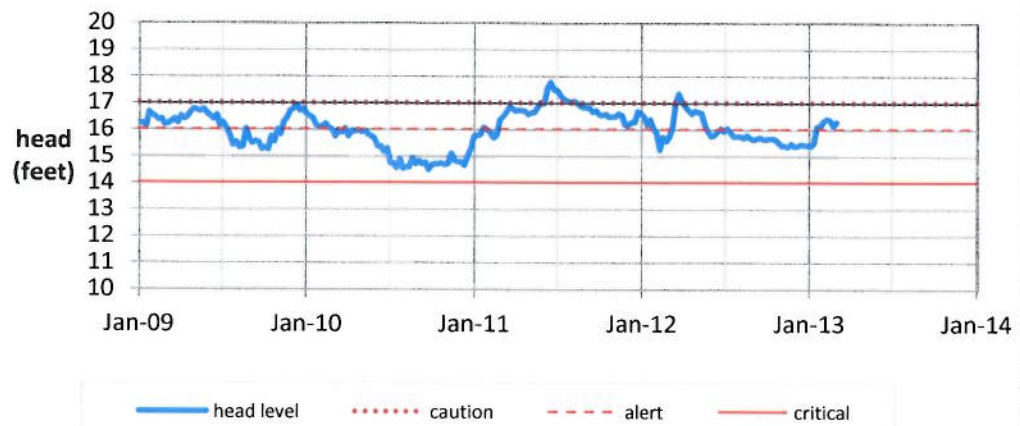
Hoaeae-Kunia



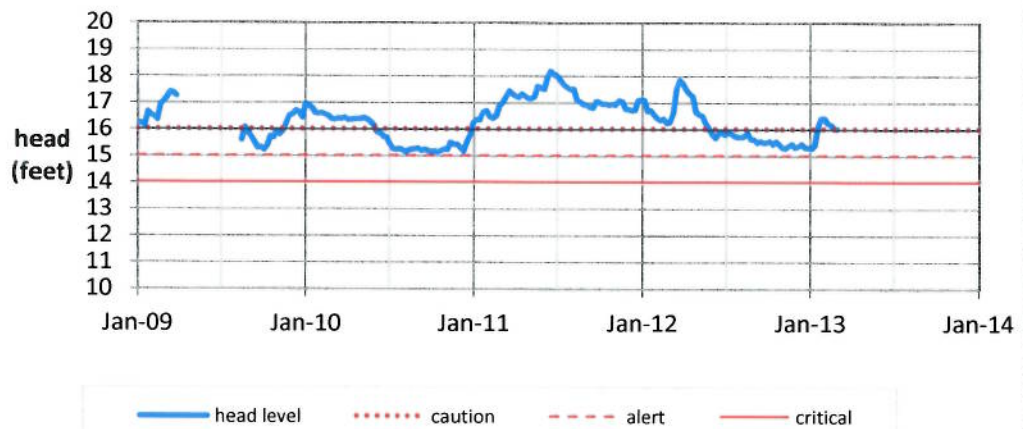
Makaha



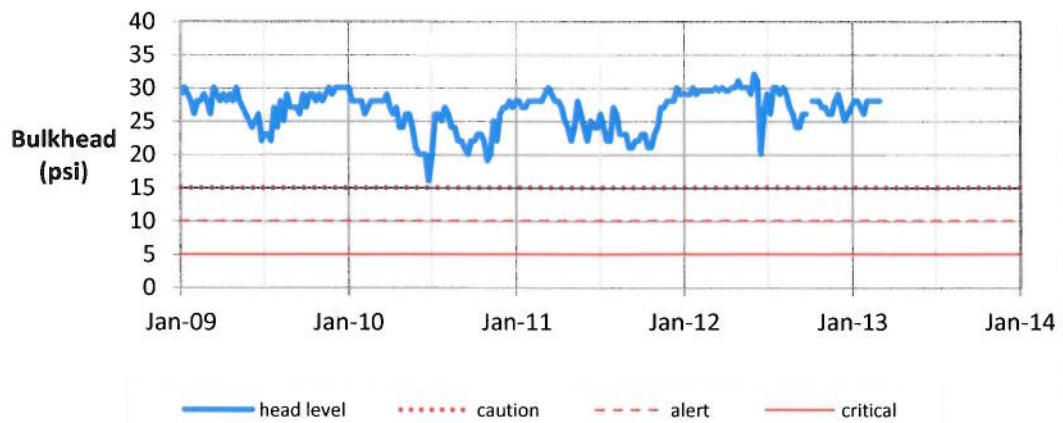
Punaluu



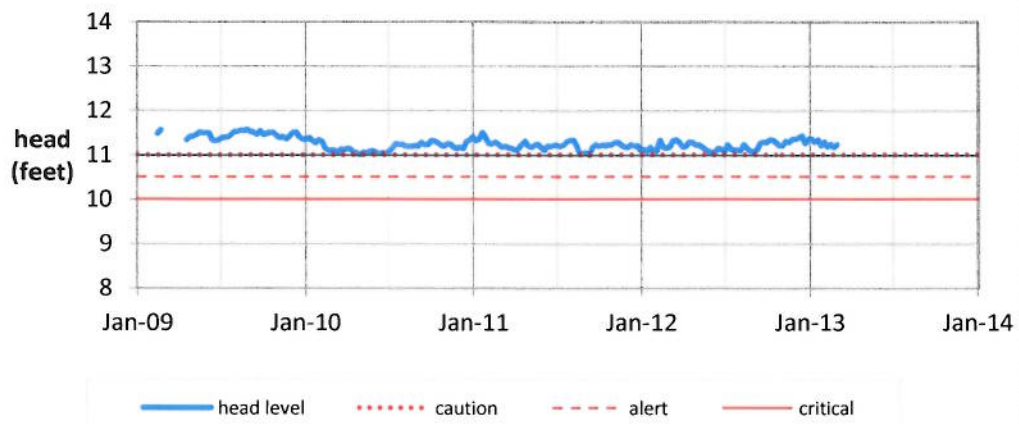
Kaluanui

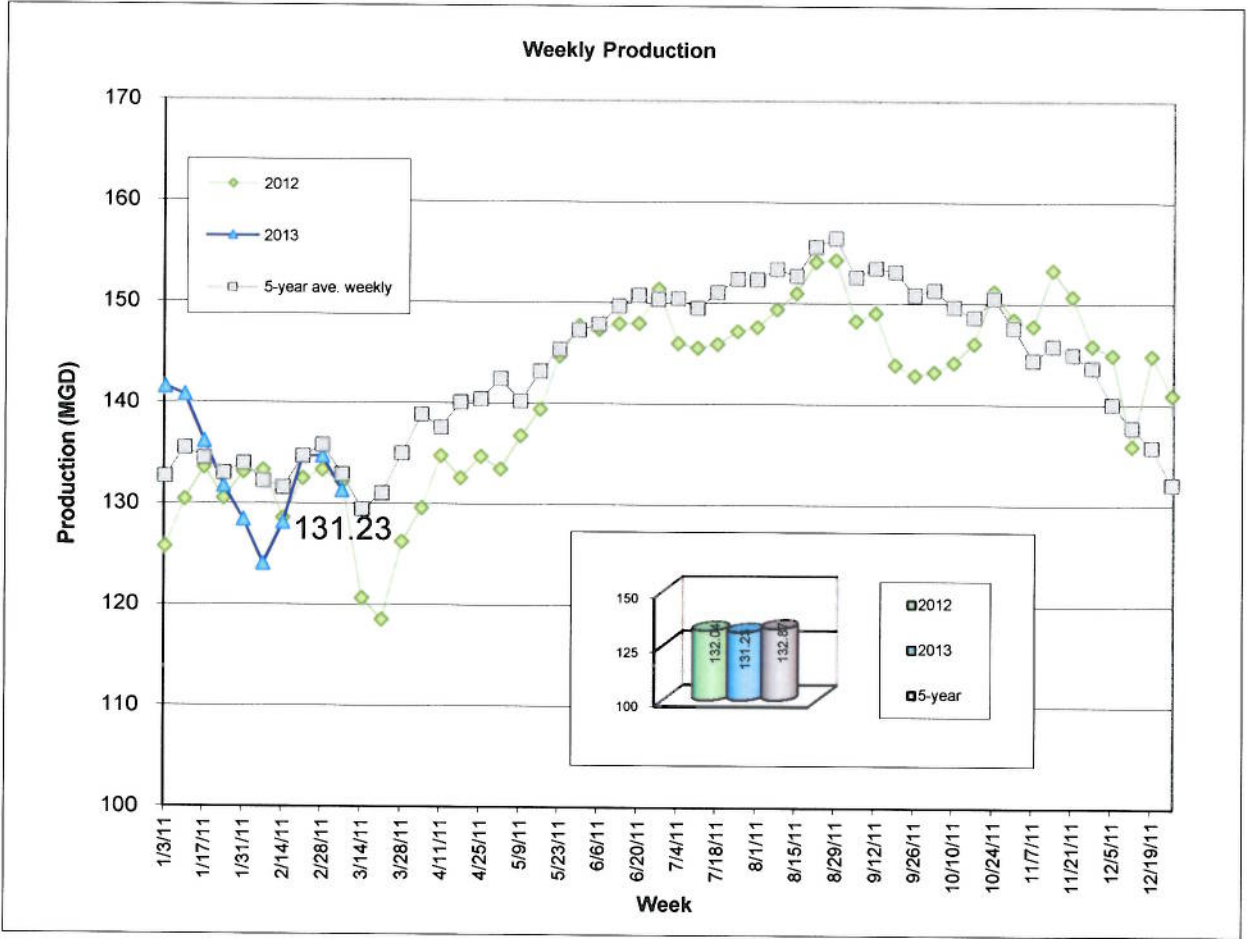
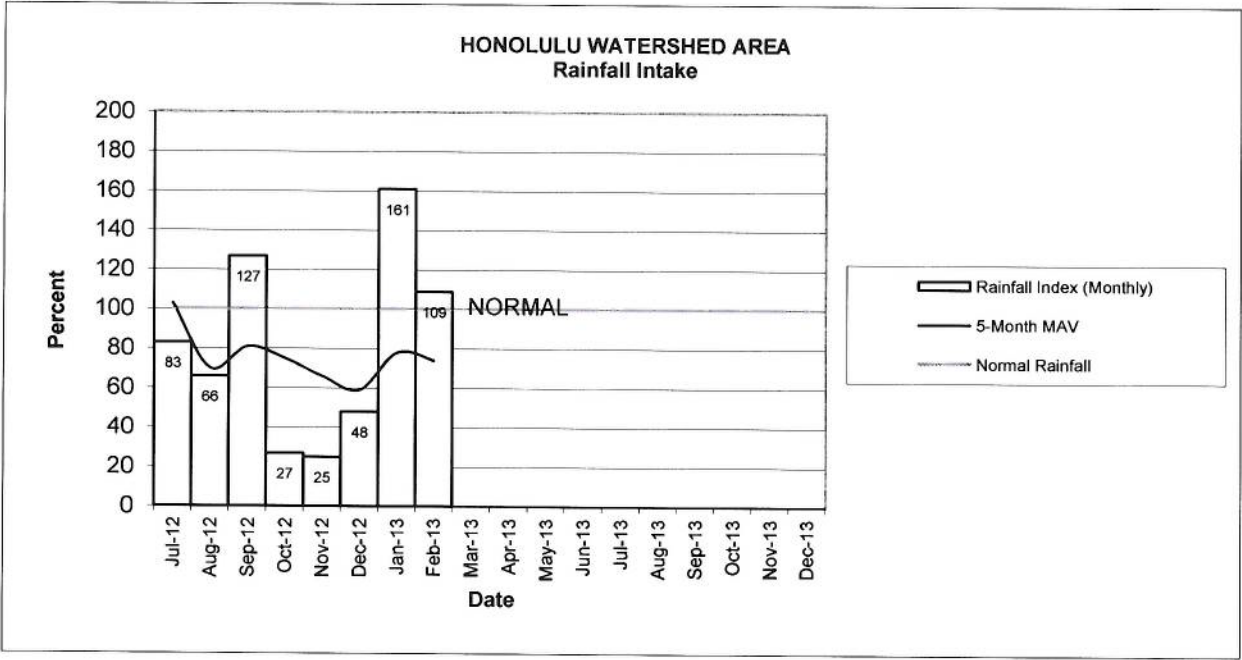


Waihee Tunnel



Waialua



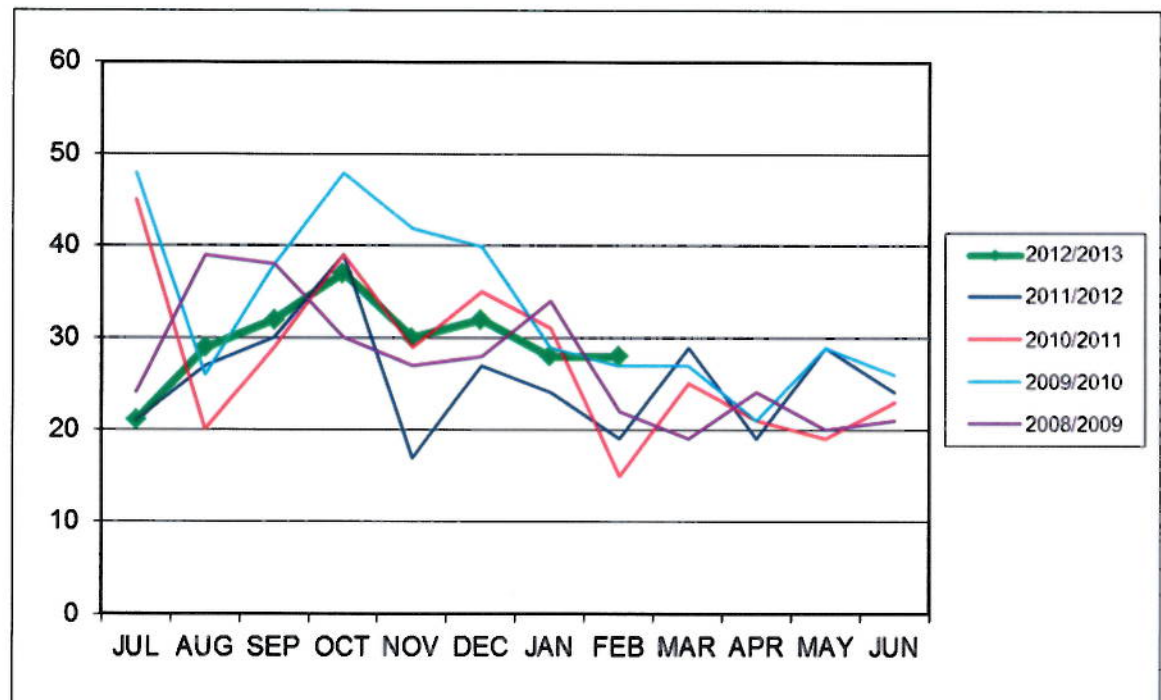


ITEM FOR INFORMATION NO. 4

WATER MAIN REPAIR REPORT for February 2013

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2012/2013	21	29	32	37	30	32	28	28					237
2011/2012	21	27	30	39	17	27	24	19	29	19	29	24	305
2010/2011	45	20	29	39	29	35	31	15	25	21	19	23	331
2009/2010	48	26	38	48	42	40	29	27	27	21	29	26	401
2008/2009	24	39	38	30	27	28	34	22	19	24	20	21	326

Date	Address	Size
2/1	94-174 Loaa St.	8" C.I.
2/5	91-1753 Kikoo St.	4" D.I.
2/6	91-1369 Karayan St.	12" D.I.
2/7	1144 2nd Ave.	6" C.I.
2/9	91-579 Pupu St.	6" C.I.
2/10	58-128 Wehiwa Wy.	4" C.I.
2/12	723 Nunu St.*	8" C.I.
2/15	91-114 Lipoa Pl.	12" C.I.
2/16	731 Kamehameha Hwy.	8" C.I.
2/17	3758 Old Pali Rd.	6" C.I.
2/19	1641 Owawa St.	12" C.I.
2/19	728 Nunu St.	8" C.I.
2/19	803 Pumehana St. 1696 Ala Moana Blvd.	8" P.V.C. 12" C.I.
2/21	3913 Gail St.	8" C.I.
2/22	1626 Ala Mahina Pl.	8" C.I.
2/22	1267 Kaluawaa St.	6" C.I.



2/22	53-322 Kamehameha Hwy.	30" C.C. 12"	
2/23	91-209 Ewa Beach Rd.	P.V.C.	
2/25	99-026 Kauhale St.	8" C.I.	
			Bold * - Pro-active Leak Repair
2/26	easement--3345 Lower Rd.	6" C.I.	
2/26	99-845 Aiea Heights Dr.	4" C.I.	
2/26	46-540 Kamehameha Hwy.	6" C.I.	
2/26	2529 Halekoa Dr	8" C.I.	
2/26	208 Puiwa Rd	8" C.I.	
2/26	41-1050 Kakaina St	6" A.C.	
2/27	1601 Ala Aoloa Lp*	8" C.I.	10 miles of pipelines were surveyed by the Leak Detection Team
2/27	491-805 Oama St	8" C.I.	in the month of February

DISCUSSION:

Field Operations Program Administrator Daryl Hiromoto informed the Board that they have installed the temporary main on Nunu Street and tying it in to all individual services. Once that is complete, they can turn off the old main and begin the replacement program.

Ms. McMurdo inquired if the number of breaks would be the same or less. Mr. Hiromoto replied that the way main breaks are trending, it may be a little more than last year, however, that is not definite. Mr. Hiromoto commented that they have been analyzing every main break, working closely with the Water Systems Operations Division, to see if there is any correlation between the break and how they operate in the Control Center. They are hopeful that communication and sharing of information between the two divisions will help limit the amount of main breaks going forward.

MOTION TO
RECESS INTO
EXECUTIVE
SESSION

Upon unanimously approved motion, the Board Recessed into Executive Session Pursuant to [HRS § 92-5(a)(2)] at 2:32 PM to Consider Issues Pertaining to Matters Posted for Discussion at an Executive Session

OPEN
SESSION

The Board reconvened in open session at 2:52 PM

No action was taken and no decision was made during Executive Session.

Chair Miyashiro informed Ms. Kitamura that during Executive Session, the Board revisited Action Item No. 2, Topics for Future Board Meetings and requested that BWS provide an update of the Water Quality Report and a Budget Workshop Meeting. Ms. Kitamura acknowledged the requests and will schedule both topics for future meetings.

MOTION TO
ADJOURN

There being no further business Chair Miyashiro at 2:57 PM called for a motion to adjourn the Open Session. Mahealani Cypher so moved; seconded by Theresia McMurdo and unanimously carried.

THE MINUTES OF THE REGULAR SESSION BOARD MEETING ON MARCH 25, 2013 WERE APPROVED AT THE APRIL 22, 2013 BOARD MEETING			
	AYE	NO	COMMENT
DUANE R. MIYASHIRO	X		
MAHEALANI CYPHER	X		
THERESIA C. MCMURDO	X		
ADAM C. WONG			ABSENT
KAULANA H. R. PARK	X		
ROSS S. SASAMURA	X		
GLENN M. OKIMOTO			ABSENT

Respectfully submitted,



LISA K. KIM

APPROVED:



DUANE R. MIYASHIRO
Chairman of the Board

APR 22 2013

Date