

April 27, 2022

The Honorable Chair and Members of the Hawai'i Public Utilities Commission Kekuanao'a Building, First Floor 465 South King Street Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Recovery Factor for May 2022

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") Energy Cost Recovery factor for May 2022 is 27.068 cents per kilowatt-hour ("kWh"), an increase of 1.351 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$241.26, an increase of \$7.21 compared to rates effective April 1, 2022. The increase in the residential bill is due to the increase in the Energy Cost Recovery Factor (+\$6.75), increase in the Purchased Power Adjustment Clause rate (+\$0.89), and termination of the SolarSaver Adjustment (+\$0.01), partially offset by the decrease in the DSM Adjustment (-\$0.44).

Hawai'i Electric Light's fuel composite cost of generation increased 164.38 cents per million BTU to 2,030.13 cents per million BTU. The composite cost of distributed generation increased 1.718 cents per kWh to 19.130 cents per kWh. The composite cost of purchased energy decreased 0.441 cents per kWh to 20.319 cents per kWh.

The attached sheets set forth the energy cost recovery factor in cents per kWh for each rate schedule that is applicable for pro rata use beginning May 1, 2022.

Very truly yours,

/s/ Dean K. Matsuura

Dean K. Matsuura Director, Regulatory Rate Proceedings

Attachments

cc: Division of Consumer Advocacy

ENERGY COST RECOVERY FACTOR

	<u>EFFECTIV</u>	E DATES	
	4/01/22	5/01/22	<u>Change</u>
Composite Cost			
Generation, ¢/mmbtu Dispersed Generation Energy, ¢/kWh Purchased Energy, ¢/kWh	1,865.75 17.412 20.760	•	164.38 1.718 (0.441)
Residential Schedule "R"			
Energy Cost Recovery - ¢/kWh	25.717	27.068	1.351
Others - "G,J,P,F"			
Energy Cost Recovery - ¢/kWh	25.717	27.068	1.351
Residential Customer with:			
500 KWH Consumption - \$/Bill 600 KWH Consumption - \$/Bill	234.05 280.30	\$241.26 \$288.97	\$7.21 \$8.67

HAWAII ELECTRIC LIGHT COMPANY, INC. ENERGY COST RECOVERY (ECR) FILING

ENERGY COST RECOVERY (ECR) FILING - May 1, 2022 (Page 1 of 2)

Line
1 Effective Date
2 Supercedes Factors of May 1, 2022 April 1, 2022

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPO	ONENT		
•	<u>JINLIN I</u>		
FUEL PRICES, ¢/mmbtu			
3	4 700 40		
4 Hill Industrial	1,703.49		
5 Puna Industrial	1,728.74		
6 Keahole Diesel	2,485.31		
6a Keahole ULSD	1,922.78		
7 Waimea ULSD Diesel	1,912.41		
8 Hilo Diesel	2,448.51		
8a Hilo (Kanoelehua) ULSD Diesel1	1,882.33		
9 Puna Diesel	2,449.53	DG ENERGY COMPONENT	
10 Wind	0.00	35 COMPOSITE COST OF DG	
11 Hydro	0.00	ENERGY, ¢/kWh	19.1
		36 % Input to System kWh Mix	0.0
BTU MIX, %		, ,	
12		37 WEIGHTED COMPOSITE DG ENERGY COST,	
13 Hill Industrial	32.040	¢/kWh (Lines 35 x 36)	0.012
14 Puna Industrial	15.928	philine do x do)	0.012
		29 DAGE DO ENERGY COMPOSITE COST	0.00
15 Keahole Diesel	42.787	38 BASE DG ENERGY COMPOSITE COST	0.0
15a Keahole ULSD	0.320		_
16 Waimea ULSD Diesel	0.000	39 Base % Input to System kWh Mix	0.0
17 Hilo Diesel	0.428	40 WEIGHTED BASE DG ENERGY COST,	
17a Hilo (Kanoelehua) ULSD Diesel1	0.732	¢/kWh (Line 38 x 39)	0.000
18 Puna Diesel	4.702	F (= ++ ++)	
19 Wind	0.000	41 Cost Less Base (Line 37 - 40)	0.012
20 Hydro	3.063	42 Loss Factor	1.0
	100.00000	43 Revenue Tax Req Multiplier	1.09
21 COMPOSITE COST OF GENERATION,		44 DG FACTOR, ¢/kWh	
CENTRAL STATION + WIND/HYDRO ¢/mmbtu	2,030.13	(Line 41 x 42 x 43)	0.014
22 % Input to System kWh Mix	46.760		
EFFICIENCY FACTOR, mmbtu/kWh			
(A) (B) (C)	(D)		
Percent of			
Eff Factor Centrl Stn +	Weighted		
Fuel Type mmbtu/kwh Wind/Hydro	Eff Factor		
23 Industrial 0.014970 47.967	0.007180		
24 Diesel 0.010915 48.970	0.005345		
25 Other 0.012426 3.063	0.000381		
(Lines 23, 24, 25): Col(B) x Col(C) = Col(D) 100.000	U		
26 Weighted Efficiency Factor, mmbtu/kWh			
[Lines 23(D) + 24(D) + 25(D)]	0.0129060		
27 WEIGHTED COMPOSITE CENTRAL STATION +	.		
WIND/HYDRO GENERATION COST, ¢/kWh			
	12.25152		
(Lines (21 x 22 x 26))	12.20102		
28 BASE CENTRAL STATION + WIND/HYDRO			
GENERATION COST, ¢/mmbtu	0.00		
29 Base % Input to Sys kWh Mix	0.00		
30 Efficiency Factor, mmbtu/kwh	0.000000		
31 WEIGHTED BASE CENTRAL STATION +	2.230000		
WIND/HYDRO GENERATION COST ¢/kWh	0.00000		
(Lines (28 x 29 x 30))	0.00000	0.11.11.12.7.05	
		SUMMARY OF	
32 COST LESS BASE (Line 27 - 31)	12.25152	TOTAL GENERATION FACTOR, ¢/kWh	
33 Revenue Tax Req Multiplier	1.0975	45 Cntrl Stn+Wind/Hydro (line 34)	13.446
34 CENTRAL STATION + WIND/HYDRO		46 DG (line 44)	0.014
		,	
GENERATION FACTOR	I	4/ IOTAL GENERATION FACTOR	
GENERATION FACTOR, ¢/kWh (Line (32 x 33))	13.44604	47 TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	13.460

¹ Hilo ULSD same location as Kanoelehua ULSD

HAWAII ELECTRIC LIGHT COMPANY, INC. ENERGY COST RECOVERY (ECR) FILING

ENERGY COST RECOVERY (ECR) FILING - May 1, 2022 (Page 2 of 2)

Line	PURCHASED E	NERGY COMPONEN	<u>NT</u>	<u>Line</u>	Calculation of Monthly Fossil Fuel Cost Risk Sharing Compone	<u>nt</u>
	PURCHASED ENERGY PR	RICE, ¢/kWh Fossil			Baseline IFO	
48	HEP	• •	30.863	94	IFO \$, baseline month	\$2,858,536
1				95	IFO mmbtu, baseline	208,648
	PURCHASED ENERGY PR	RICE. ¢/kWh Renewable	•	96	Baseline IFO, ¢/mmbtu	1370.03
49	PGV	On Peak	24.436			
	PGV	Off Peak	25.456		Baseline Diesel	
	PGV - Add'l 5 MW	On Peak	13.650	97	Diesel \$, baseline month	\$6,258,505
	PGV - Add'l 5 MW	Off Peak	13.650	98	Diesel mmbtu, baseline	329,377
	PGV - Add'l 8 MW	On Peak	6.940	99	Baseline Diesel, c/mmbtu	1,900.10
	PGV - Add'l 8 MW	Off Peak	6.940		Bacomio Biosol, ominiba	.,000.10
	Wailuku Hydro	On Peak	24.436		Month IFO	
	Wailuku Hydro	Off Peak	25.456	100	IFO mmbtu, budget	239,302
	Hawi Renewable Dev.	On Peak	24.436	101	IFO Cost, ¢/mmbtu	1,711.87
	Hawi Renewable Dev.	Off Peak	25.456	102	IFO ECRC Fossil Cost	\$4,096,544
	Tawhiri (Pakini Nui)	On Peak	15.030	103	IFO Base ECRC Recovery Target	\$3,278,499
	Tawhiri (Pakini Nui)	Off Peak	14.470	104	IFO differential	\$818,045
	HEP Biodiesel	Oli Feak	30.863	104	iro dillerential	φο 10,045
	Small Hydro (>100 KW)	On Peak	24.436		Month Diesel	
				105		244 202
	Small Hydro (>100 KW)	Off Peak	25.456	105	Diesel mmbtu, budget	244,303
	CBRE		15.000 24.440	106 107	Diesel Cost, ¢/mmbtu	2,468.86
	Sch Q Hydro (<100 KW)				Diesel ECRC Fossil Cost	\$6,031,495
65	FIT		23.800	108	Diesel Base ECRC Recovery Target	\$4,642,014
	B. B			109	Diesel differential	\$1,389,481
	PURCHASED ENERGY KV	VH MIX, %,	0.000	110	Total Fossil	\$2,207,526
66	HEP, Fossil		6.002	111	2% of above	\$44,151
	PURCHASED ENERGY KV	VH MIX % Renewable		112	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year	\$31,736
67	PGV	On Peak	22.827	113	Maximum Annual Cap (bi-directional)	\$600,000
	PGV	Off Peak	14.302	114	Number of Days in year from implementation	365
	PGV - Addt'l	On Peak	4.566	115	Fossil Risk % Proration (based on 365 day year)	100.00%
	PGV - Addt'l	Off Peak	3.251	116	Maximum Annual Cap (bi-directional) prorated	\$600,000
	PGV - Add'l 8 MW	On Peak	6.533	117	Applicable Monthly Fossil Fuel Cost Risk Sharing	\$44,151
	PGV - Add'l 8 MW	Off Peak	7.024	118	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month	\$75,887
	Wailuku Hydro	On Peak	2.468	440	Facility of Dials Charles hafens town	C44.454
	Wailuku Hydro	Off Peak	1.771	119	Fossil Cost Risk Sharing before taxes	\$44,151
	Hawi Renewable Dev.	On Peak	4.355	120	Revenue Tax Adjustment	1.097514
	Hawi Renewable Dev.	Off Peak	1.946	121	Fossil Cost Risk Sharing w/revenue tax	\$48,456
	Tawhiri (Pakini Nui)	On Peak	11.283	122	Forecasted Month MWh Sales	80,634
	Tawhiri (Pakini Nui)	Off Peak	7.223	123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh	-0.0601
	HEP Biodiesel		5.286			
80	Small Hydro (>100 KW)	On Peak	0.000	Derivation of No	on-Adjustable Component:	
	Small Hydro (>100 KW)	Off Peak	0.000			
	CBRE		0.262			***
	Sch Q Hydro (<100 KW)		0.000	93A	Ocean Cargo Insurance Exp, \$000	\$13.1
83	FIT		0.901		HELCO-603, page 1, line 4	
1			100.000	93B	Revenue Tax Adjustment	1.097514
				93C	Non-Adj Revenues, \$000	\$14.4
83a	Comp. Cost Purchased Ene	rgy Fossil, ¢/kWh	30.8630	93D	2019 TY Sales, MWh	1,061,718
83b	Comp. Cost Purchased Ene	rgy Renewable, ¢/kWh	19.6454		HELCO-301	
84	COMPOSITE COST OF PU	RCHASED		93E	Non-Adj Revenues, ¢/kWh	0.00135
	ENERGY, ¢/kWh		20.319			
	% Input to System kWh Mix		53.176			
86	WEIGHTED COMPOSITE F	PURCHASED ENERGY				
	COST, ¢/kWh (Lines (84 x	85))	10.80483			
87	BASE PURCHASED ENER					
	COMPOSITE COST, ¢/kW		0.000	<u>Line</u>	SYSTEM COMPOSITE	
	Base % Input to Sys kWh Mi		0.00			
89	WEIGHTED BASE PURCH			124	GENERATION AND PURCHASED ENERGY	
	COST, ¢/kWh (Lines (87 x	88))	0.00000		FACTOR, ¢/kWh (Lines (47 + 93))	26.05383
1					Fossil Fuel Cost Risk Sharing Component (Line 123)	(0.060)
90	COST LESS BASE (Lines (8	86 - 89))	10.80483		Non-Adjustable Component (Line 93E)	0.00135
	Loss Factor		1.062		ECA Reconciliation Adjustment	1.073
	Revenue Tax *		1.0975	128	ECA FACTOR, ¢/kWh	27.068
0.2	PURCHASED ENERGY FA	CTOR, ¢/kWh	12.59352		(Lines (124 + 125 + 126 + 127))	
93	(Lines (90 x 91 x 92))					

Hawaii Electric Light Company, Inc.

FUEL OIL INVENTORY PRICES FOR May 1, 2022

INDUSTRIAL FUEL COSTS: Average Industrial Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	HILO 107.3200 	<u>PUNA</u> 107.3200 1.5909		
Industrial Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	107.3200 6.30	108.9109 6.30		
Industrial Costs For Filing - ¢/mmbtu	1,703.49	1,728.74		
DIESEL FUEL COSTS: Average Diesel Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 142.2149 3.4244	PUNA CT-3 142.2149 1.3274	HILO 142.2149 1.2677	
Diesel Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	145.6394 5.86	143.5423 5.86	143.4827 5.86	
Diesel Costs For Filing - ¢/mmbtu	2,485.31	2,449.53	2,448.51	
ULSD FUEL COSTS: Average ULSD Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 106.5874 3.5880	WAIMEA 106.5874 2.9937	HILO 106.5874 1.2701	DISPERSED GENERATION 106.5874
ULSD Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	110.1753 5.73	109.5811 5.73	107.8574 5.73	106.5874 5.73
ULSD Costs For Filing - ¢/mmbtu	1,922.78	1,912.41	1,882.33	1,860.16

COMPOSITE COST

Dispersed Generation, cents per kWh

 OF DISP. GEN.

 BBIs Fuel:
 98.7135

 \$/BBI Inv Cost:
 106.5874

 Fuel \$ (Prod Sim Consumption x Unit Cost)
 10,521.61

 Net kWh (from Prod Sim)
 55,000

 cents/kWh:
 19.130

Estimated Weighted Average May 2022

SHIPMAN INDUSTRIAL	HILL INDUSTRIAL

		INDUSTRIAL	THEE HVD03		COST PER BAR	DEI	
	DD1	COCT	D.D.I	COST			
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 03/31/2022	0	0.00	36,282	3,566,217.25			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx xxx	(XXXXXXXXXXXXX	xxxxxxxxx	xxxxxxxxxxxx			
Actual	XXXXXX XXX	(XXXXXXXXXXXXXX	XXXXXXXXX	xxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx xxx	(XXXXXXXXXXXXXX	xxxxxxxxx	xxxxxxxxxxxxx			
Actual	XXXXXX XXX	(XXXXXXXXXXXXXX	XXXXXXXXX	xxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	(30,334)	(2,937,508.41)			
Actual	0	0.00	31,371	3,120,953.94			
Consumed: Estimate	0	0.00	30,717	2,899,987.98			
Actual	0	0.00	(31,123)	(2,991,107.46)			
Balance Per G/L 03/31/2022	0	0.00	36,913	3,658,543.30			
Purchases	xxxxxx xxx	(XXXXXXXXXXXXXX	XXXXXXXXX	xxxxxxxxxxxx			
Transfer out	xxxxxx xxx	(XXXXXXXXXXXXXX	xxxxxxxxx	xxxxxxxxxxxx			
Transfer in	0	0.00	34,566	3,803,492.04			
Consumed	0	0.00	(31,700)	(3,144,345.67)	106.5901	0.0000	106.5901
Balance @ 04/30/2022	0	0.00	39,779	4,317,689.68			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 04/30/2022	0	0.00	39,779	4,317,689.68			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxxxxx	(4,317,689.68)			
Fuel Bal @ Avg Price	xxxxx	0.00	xxxxxxxxx	4,269,083.25			
Total @ 05/01/2022 Avg Price	0	0.00	39,779	4,269,083.25			

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 108.5419

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 107.3200

Estimated Weighted Average May 2022

PUNA INDUSTRIAL

			LAND	COST PER BA	RREL	
	BBL	COST	TRANSP	EXCLUDE LT	LT	TOTAL
Balance at 03/31/2022	9,553	919,395.63	15,197.79			
Balance at 03/31/2022	9,555	919,393.03	13,137.73			
		2.22	0.00			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	xxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	*********	*************	xxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxx	xxxxxxxxxxxx	XXXXXXXXXXXXXXXXXXXXXX			
_						
Transfers in: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Consumed: Estimate	0	0.00	0.00			
Actual	0	27,427.01	0.00			
Actual		27,427.01	0.00			
Balance Per G/L 03/31/2022	9,553	946,822.64	15,197.79	-		
Purchases	xxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx			
Transfer out	vvvvvvvvvv	vvvvvvvvvvvvvvv	xxxxxxxxxxxxxxxxxx			
Transfer out	*********	************	^^^^^			
- ·			0.00			
Transfer in	0	0	0.00			
Consumed	0	0.00	0.00	99.1907	1.5909	100.7816
			_			
Balance @ 04/30/2022	9,553	946,822.64	15,197.79			
Inventory From Offsite/Transfers	0	0.00	0.00			
•						
Est'd Inventory Addition	0	0.00	0.00			
	-					
Fuel Bal @ Avg Price	9,553	946,822.64	15,197.79		1.5909	
Reverse Fuel Balance	xxxxxxxxxx	(946.822.64)	xxxxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price			XXXXXXXXXXXXXXXXXXXXX			
The balance w Avg File	XXXXXXXXXX	1,023,220.19	^^^^^^			
T		4.005.000.00	.= .====	-		
Total @ 05/01/2022 Avg Price	9,553	1,025,228.19	15,197.79			
Weighted Avg Cost/BBL by Location		99.1126	1.5909			
5 5 4, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,			- 7			
Weighted Avg Cost/BBL @ Avg Cost		107.3200	1 5000			
WEIGHTEN AVE COST DDL @ AVE COST		107.5200	1.5909			

Estimated Weighted Average May 2022

KEAHOLE DIESEL

_							
			COST	LAND	COST PER	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 03/31/2022	37,207.7	1,562,722.0	4,962,973.8	128,475.7			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	(3,774.4)	(158,524.0)	(486,050.5)				
Actual	3,774.4	158,524.0	486,050.5	0.0			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Actual		XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	xxxxxxxxxxxxxx			
Transfers in: Estimate	(36,994.7)			(134,853.0)			
Actual	41,378.6	1,737,900.0	5,179,956.7	168,927.51			
Consumed: Estimate	49,153.9	2,064,462.0	5,421,119.5	177,669.17			
Actual	(42,185.7)	(1,771,801.0)	(4,666,602.3)	(166,778.8)	110.6204		
Balance Per G/L 03/31/2022	48,559.7	2,039,507	6,396,420.99	159,682.29	131.7229		
Purchases	xxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer out	xxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	35,006.8	1,470,284.0	5,035,032.1	127,606.6	143.8303		
Consumed	(39,325.3)	(1,651,663.0)	(5,229,534.0)	(135,787.83)	132.9814	3.4529	136.4343
Balance @ 04/30/2022	44,241.1	1,858,128	6,201,919.12	151,501.12	140.1844		
Inventory From Offsite/Transfers	0.0	0.0	0.0	0.00			
Est'd Inventory Addition	0.0	0	0.0	0.00			
Fuel Balance @ Avg Price	44,241.1	1,858,128	6,201,919.12	151,501.12	140.1844		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxxxxx	(6,201,919.1)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxx		xxxxxxxxxxxxxx			
Total @ 05/01/2022 Avg Price	44,241.1	1,858,128	6,291,750.88	151,501.12	142.2149		
Weighted Avg Cost/BBL by Location			140.1844	3.4244			
Weighted Avg Cost/PPL @ Avg Cost			142 2140	2 1211			

Weighted Avg Cost/BBL @ Avg Cost 142.2149 3.4244

Estimated Weighted Average May 2022

PUNA CT-3

	<u> </u>	ONA CT-3					
			COST	LAND	COST PER E	BARREL	
HS Diesel	BBL	GALLONS	EXCLUD LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 03/31/2022	1,446.4	60,750.0	354,133.6	1,816.8			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXX					
Actual	X	xxxxxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxx			
Transfers out Estimate							
Transfers out: Estimate		XXXXXXXXXXXXXXXX					
Actual	×	xxxxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx			
Transfers in: Estimate	(8,569.0)	(350 808 U)	(1,113,685.6)	(12,153.4)			
Actual	9,940.3		1,245,740.2	13,876.3			
Actual	3,340.3	417,432.0	1,243,740.2	13,670.3			
Consumed: Estimate	10,336.4	434,127.0	1,139,984.3	14,335.6			
Actual	(9,613.4)	•	(1,158,909.7)				
, totadi	(3,013.1)	(103), 01.0)	(1,130,303.7)	(13,713.0)			
Balance Per G/L 03/31/2022	3,540.6	148,707	467,262.84	4,156.30			
	-,	-, -	,	,			
Purchases	xxxxxxxxxx x	xxxxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx			
Transfer out	xxxxxxxxxx x	xxxxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxx			
Transfer in	4,092.5	171,883.0	621,656.5	5,804.3	151.9032		
Consumed	(2,401.9)	(100,878)	(319,402.3)	(3,016.86)	132.9814	1.2561	134.2374
Balance @ 04/30/2022	5,231.2	219,712	769,517.06	6,943.76	147.1004		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 04/30/2022	5,231.2	219,712	769,517.06	6,943.76	147.1004		
Reverse Fuel Balance		xxxxxxxxxxxxx					
Fuel Balance @ Avg Price	xxxxxxxxxx x	xxxxxxxxxxxxxx	743,960.14	xxxxxxxxxx			
T-+-1 @ 05 /01 /2022 A 2 2	F 224 2	240 742	742.000.41	6.042.76	142 24 42		
Total @ 05/01/2022 Avg Price	5,231.2	219,712	743,960.14	6,943.76	142.2149		
Mainhead Ave Coat /DDL by Law 11			4.47.400.	4 2274			
Weighted Avg Cost/BBL by Location			147.1004	1.3274			
Weighted Avg Cost/DDL @ Avg Cost			142 2140	1 2274			
Weighted Avg Cost/BBL @ Avg Cost			142.2149	1.3274			

Estimated Weighted Average May 2022

TOTAL HILO HS-DIESEL

			COST	LAND	COST PER	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 03/31/2022	1192.6	50,088	149,536	1,496			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		XXXXXXXXXX					
Actual		xxxxxxxxxx	xxxxxxxxxx	XXXXXXXXXX			
Transfers out: Estimate		xxxxxxxxx	xxxxxxxxx	xxxxxxxxx			
Actual		XXXXXXXXXX	xxxxxxxxxx	XXXXXXXXXX			
Transfers in: Estimate	-378.3	-15888.0	-49551.6	-473.6			
Actual	189.2	7948.0	24022.4	236.2			
Consumed: Estimate	444.4	18664.0	49010.2	568.8			
Actual	-344.1	-14451.0	-27343.0	-426.4			
Balance Per G/L 03/31/2022	1103.8	46,361	145,674.19	1,401.41	131.9712		
Purchases	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx			
Transfer out	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx			
Transfer in	189.0	7938.0	28239.5	236.6	#DIV/0!		
Consumed	-72.8	-3059.0	-9685.5	-91.4	132.9814	1.2548	134.2362
Balance @ 04/30/2022	1,220.0	51,240	164,228.17	1,546.65	134.6133		
Inven From Offsite/Transfers	0.0	0.0	0.0	0.0			
Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Fuel Balance @ Avg Price	1,220.0	51,240	164,228.17	1,546.65	134.6133		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxx	-164,228.17	xxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxx			xxxxxxxxx			
Total @ 05/01/2022 Avg Price	1,220.0	51,240	173,502.21	1,546.65	142.2149		
Weighted Avg Cost/BBL by Location			134.6133	1.2677			
Weighted Avg Cost/BBL @ Avg Cost			142.2149	1.2677			

Estimated Weighted Average May 2022

KEAHOLE ULSD

			COST	LAND	COST PER BARREL		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 03/31/2022	2,230.9	93,696	216,487.62	7,730.73			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(22,184.40)	(692.59)			
Actual	0.0	0	0.00	0.00			
Transfers out: Estimate		xxxxxxxxxxx	«xxxxxxxxxxx	xxxxxxxxx			
Actual		xxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxx			
Transfers in: Estimate		(139)	0.00	(12.06)			
Actual		192	0.00	0.00			
Consumed: Estimate	81.2	3,410	7,575.07	294.70			
Actual	(77.7)	•	(7,145.60)		92.0034		
Polones Por C/L 02/21/2022	2,045.6	85,917	194,732.70	7 202 75	05 1030		
Balance Per G/L 03/31/2022	2,045.6	85,917	194,/32./0	7,293.75	95.1939		
Purchases	189.0	7,939	30,469.36	689.03	0.0000		
Estimated Purchases	190.0	7,980	30,626.72	692.59			
Transfer in	(0.1)	(3)	0.00	(0.26)	0.00		
Consumed	(197.8)	(8,309)	(19,192.83)	(685.56)	97.0151	3.4654	100.4805
Balance @ 04/30/2022	2,226.8	93,524	236,635.95	7,989.54	106.2691		
Inventory From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ Avg Price	2,226.8	93,524	236,635.95	7,989.54	106.2691		
Reverse Fuel Balance	XXXXXXXXXX	xxxxxxxxxx	(236,635,95)	xxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxx		XXXXXXXXXX			
Total @ 05/01/2022 Avg Price	2,226.8	93,524	237,344.65	7,989.54	106.5874		
Weighted Avg Cost/BBL by Location			106.2691	3.5880			

Weighted Avg Cost/BBL @ Avg Cost 106.5874 3.5880

Estimated Weighted Average May 2022

WAIMEA DIESEL

			COST	LAND	COST PER BARREL		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		LT	TOTAL
Balance at 03/31/2022	877.7	36,864.0	87,450.3	2,592.13			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate Actual		(7,980) 0.0	(22,184.40) 0.0	(576.71) 0.00			
		0.0	0.0	0.00			
Transfers out: Estimate			xxxxxxxxxxxx				
Actual		xxxxxxxxxxx	XXXXXXXXXXXXXX	xxxxxxxxxx			
Transfers in: Estimate	(4.9)	(206)	0.00	0.00			
Actual	4.1	172	0.00	0.00			
Consumed: Estimate	104.0	4,370	9,707.65	310.63			
Actual	(102.8)	(4,316)					
Balance Per G/L 03/31/2022	688.2	28,904	65,511.53	2,029.92	95.1939		
ULSD Purchases	188.8	7,929	30,430.97	573.02	161.1932		
Estimated Purchases	190.0	7,980	30,626.70	576.71			
Transfer in	xxxxxxxxxx	(48)	0.00	0.00	#DIV/0!		
Consumed	(275.6)	(11,576)	(26,739.22)	(813.98)	97.0151	2.9533	99.9684
Balance @ 04/30/2022	790.2	33,189	99,829.99	2,365.67	126.3328		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ Avg Price	790.2	33,189	99,829.99	2,365.67	126.3328		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxx	(99,829.99)	xxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxx		xxxxxxxxxx			
Total @ 05/01/2022 Avg Price	790.2	33,189	84,226.85	2,365.67	106.5874		
Weighted Avg Cost/BBL by Location			126.3328	2.9937			
Weighted Avg Cost/BBL @ Avg Cost			106.5874	2.9937			

Estimated Weighted Average May 2022

KANOELEHUA DIESEL

			COST	LAND
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP
Balance at 03/31/2022	1,286.3	54,024.0	122,645.2	1626.8
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate Actual	0.0 0.0	0 0	0.00 0.00	0.00 0.00
Transfers out: Estimate Actual		x x	x x	x x
Transfers in: Estimate Actual		0 0	0.00 0.00	0.00 0.00
Consumed: Estimate Actual	42.8 (43.5)	1,798 (1,827)		53.86 (48.53)
Balance Per G/L 03/31/2022	1,285.6	53,995	122,380.81	1,632.17
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	0	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(114.2)	(4,796)	(11,078.20)	(144.42)
Balance @ 04/30/2022 Inventory From Offsite/Transfers	1,171.4 0.0	49,199 0	111,302.61 0.00	1,487.74 0.00
Est'd Inventory Addition	0.0	0	0.00	0.00
Fuel Balance @ Avg Price	1,171.4	49,199	111,302.61	1,487.74
Reverse Fuel Balance Fuel Balance @ Avg Price	x x	x x	(111,302.61) 124,856.93	x x
Total @ 05/01/2022 Avg Price	1,171.4	49,199	124,856.93	1,487.74
Weighted Avg Cost/BBL by Location			95.0164	1.2701
Weighted Avg Cost/BBL @ Avg Cost			106.5874	1.2701

Estimated Weighted Average May 2022

DISPERSED GENERATION

	O. L. KOLD O	ENERATION		
	BBL	GALLONS	COST	COST/BBL
Balance at 03/31/2022	130.2	5,470	12,419.58	
Less: Est'd Inven Addition	0.0	xxxxxxx	xxxxxxx	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	U	0.00	
Consumed: Estimate Actual		216 (320)		
Actual	(1.0)	(320)	(131.20)	
	xxxxxxxxx	xxxxxxxxx	XXXXXXXXXX	
	XXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	
	XXXXXXXXXX	xxxxxxxxxx	XXXXXXXXXXX	
		XXXXXXXXXX		
Rolones Rev C/L 02/24/2022	107.76	F 266	10 160 15	0E 1020
Balance Per G/L 03/31/2022	127.76	5,300	12,162.15	95.1939
Purchases	0.0	0	0.00	0.0000
Transfer out	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	
Transfer in	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	
Consumed	(12.1)	(507)	(1,171.11)	97.0151
Balance @ 04/30/2022	115.7	4,859	10,991.04	95.0038
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 04/30/2022	115.7	4,859	10,991.04	
Reverse Fuel Balance	XXXXXXXXXXXX	xxxxxxxxxx	(10,991.04) xxx	x
Fuel Balance @ Avg Price		XXXXXXXXXXXX	12,331.14 xxx	
			- 	
Total @ 05/01/2022 Avg Price	115.7	4,859	12,331.14	106.5874

Hawaii Electric Light Company, Inc. PURCHASED POWER PRICES FOR May 1, 2022

		May 1, 2022 (¢/kWh)	Floor Rates (¢/kWh)
PGV (25 MW) PGV (22 MW)	- on peak - off peak	24.436 25.456	6.560 5.430
WAILUKU HYDRO	- on peak off peak	24.436 25.456	7.240 5.970
Other: (<100 KW)	Sch Q Rate	24.440	
		May 1, 2022 (¢/kWh)	Floor Rates (¢/kWh)
HEP		30.863	
PGV Addtl 5 MW	- on peak - off peak	13.650 13.650	0.0000 0.0000
PGV Addtl 8 MW		6.940	0.0000

Hawaii Electric Light Company, Inc. Energy Cost Reconciliation Adjustment

May 1, 2022

Line No.	<u>Description</u>	<u>Amount</u>	
1	Amount to be (returned) or collected	\$2,364,200	
2	Monthly Amount (¹ / ₃ x Line 1)	\$788,067	
3	Revenue Tax Divisor	0.91115	
4	Total (Line 2 / Line 3)	\$864,914	
5	Estimated MWh Sales (May 1, 2022)	80,634	mwh
6	Adjustment (Line 4 / Line 5)	1.073	¢/kwh

-2,364.2 under

HAWAII ELECTRIC LIGHT COMPANY, INC. 2022 FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY (Thousand \$)

		Info Only March 2022 YTD Total	collectn by	Basis for Recon March 2022 YTD Total	
<u>LINE</u>	<u>DESCRIPTION</u>	No Deadband	company*	<u>Deadband</u>	
	ACTUAL COSTS:				
1	Generation	\$25,248.9		\$25,248.9	
2	Distributed Generation	\$1.6		\$1.6	
3	Purch Power	\$25,686.0		\$25,686.0	
4	TOTAL	\$50,936.5		\$50,936.5	
	FUEL FILING COST				
5	Generation	\$26,376.1		\$25,992.2	
6	Distributed Generation	\$1.6		\$1.6	
7	Purch Power	\$25,686.0		\$25,686.0	
8	TOTAL	\$52,063.7		\$51,679.9	
	BASE FUEL COST				
9	Generation	\$0.0		\$0.0	
10	Distributed Generation	\$0.0		\$0.0	
11	Purch Power	\$0.0		\$0.0	
12	TOTAL	\$0.0		\$0.0	
13	FUEL-BASE COST (Line 8-12)	\$52,063.7		\$51,679.9	
14	ACTUAL FOA LESS TAX	\$50,158.0		\$50,158.0	
15	Less: FOA reconciliation adj for prior year	\$831.5		\$831.5	
15A	Less: Non-Adjustable Component Revenues Less Tax	\$3.1		\$3.1	
16	ADJUSTED FOA LESS TAX	\$49,323.4		\$49,323.4	
17	FOA-(FUEL-BASE) (Line 16-13)	-\$2,740.3	under	-\$2,356.5	under
	ADJUSTMENTS:				
18	Current year FOA accrual reversal	\$0.0		\$0.0	
19	Other prior year FOA	\$0.0		\$0.0	
20	Other	\$0.0		\$0.0	
21	QUARTERLY FOA RECONCILIATION (Line 17+18+19+20)	-\$2,740.3	under	-\$2,356.5	under
21A	YTD Fossil Fuel Cost Risk Sharing Adjustment	-\$7.7		-\$7.7	
21B	QUARTERLY FOA RECON w/Fossil Risk Adj (L21+L21A)	-\$2,748.0	_	-\$2,364.2	under
			-		

^{*} Over means an over-collection by the Company.
Under means an under-collection by the Company.

FOA Reconciliation to be Returned or Collected

22

Hawai`i Electric Light Company DEADBAND CALCULATION For Period: January 1, 2022 to March 31, 2022

	Notes	YTD
<u>Industrial</u>		
Industrial Efficiency Factor (per D&O), BTU/kWh*	f	14,970
Industrial Deadband Definition, +/- BTU/kWh	d	100
Industrial Portion of Recorded Sales, kWh Industrial Consumption (Recorded), MMBTU	a b	40,174,424 580,340
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	14,446
Lower limit of Industrial Deadband, BTU/kWh	e= f-d	14,870
Higher limit of Industrial Deadband, BTU/kWh	g=f+d	15,070
Industrial Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	14,870
Diesel		
		
Diesel Efficiency Factor (per D&O), BTU/kWh* Diesel Deadband Definition, +/- BTU/kWh	f d	10,557 200
Diesel Portion of Recorded Sales, MWh	a b	87,407,705 910,224
Diesel Consumption (Recorded), MMBTU Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	10,414
	o (2/4) x 1000	
Lower limit of Diesel Deadband, BTU/kWh	e= f-d	10,357
Higher limit of Diesel Deadband, BTU/kWh	g=f+d	10,757
Diesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	10,414
Biodiesel		
Biodiesel Efficiency Factor (per D&O), BTU/kWh*	f	0
Biodiesel Deadband Definition, +/- BTU/kWh	d	100
Biodiesel Portion of Recorded Sales, MWh	a	0
Biodiesel Consumption (Recorded), MMBTU	b	0
Biodiesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	0
Lower limit of Biodiesel Deadband, BTU/kWh	e= f-d	-100
Higher limit of Biodiesel Deadband, BTU/kWh	g=f+d	100
Biodiesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	0
<u>Hydro</u>		
Hydro Efficiency Factor (per D&O), BTU/kWh*	f	12.426
Hydro Deadband Definition, +/- BTU/kWh	d	12,426 100
•		
Hydro Portion of Recorded Sales, MWh	а	1,079,787
Hydro Consumption (Recorded), MMBTU	b	12,558
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	11,630
Lower limit of Hydro Deadband, BTU/kWh	e= f-d	12,326
Higher limit of Hydro Deadband, BTU/kWh		
	g=f+d	12,526

 $^{^\}star\,$ YTD Efficiency Factor (per D&O) is actual YTD & projected to the end of the year weighted by calendar days in the year.

HAWAII ELECTRIC LIGHT COMPANY, INC. GENERATION FUEL FILING COST AND GENERATION BASE FUEL COST WITHOUT and WITH DEADBAND

January 1 - March 31, 2022

		With Deadband
	Without Deadband	As Filed
	<u>Jan 1 - Mar 31</u>	<u>Jan 1 - Mar 31</u>
INDUSTRIAL FUEL FILING COST		
Industrial Portion of Recorded Sales , kWh	40,174,424	40,174,424
Industrial Efficiency Factor (mmbtu/kwh)	0.014970	0.014870
Mmbtu adjusted for Sales Efficiency Factor	601,411	597,394
\$/mmbtu	<u>\$14.2013</u>	<u>\$14.2013</u>
TOTAL INDUSTRIAL \$000s TO BE RECOVERED	\$8,540.832	\$8,483.779
DIESEL FUEL FILING COST		
Diesel Portion of Recorded Sales, kWh	87,407,705	87,407,705
Diesel Efficiency Factor (mmbtu/kwh)	0.014870	0.010414
Mmbtu adjusted for Sales Efficiency Factor	1,299,753	910,264
\$/mmbtu	\$13.7220	· ·
TOTAL DIESEL \$000s TO BE RECOVERED	\$17,835.253	\$17,508.451
HYDRO FUEL FILING COST		
Hydro Portion of Recorded Sales , kWh	1,079,787	1,079,787
Hydro Efficiency Factor (mmbtu/kwh)	0.012426	0.012326
Mmbtu adjusted for Sales Efficiency Factor	13,417	13,309
\$/mmbtu	\$0.0000	\$0.0000
TOTAL HYDRO \$000s TO BE RECOVERED	\$0.000	\$0.000
TOTAL GENERATION FUEL FILING COST, \$000s	\$26,376.1	\$25,992.2
CALCULATION OF GENERATION BASE FUEL COST		
TOTAL GENERATION BASE FUEL COST, \$000s	\$0.0	\$0.0
TOTAL GENERATION FUEL FILING COST, \$000s YTD	\$26,376.1	\$25,992.2
TOTAL GENERATION BASE FUEL COST YTD	\$0.0	\$0.0

	Fossil Fuel Cost Risk Sharing Mechanism and	d Non-Adjustable Com	iponent,
	LSFO/IFO Fossil Fuel Cost Risk Sharing	Baseline	YTD Subject to Fossil Risk
A	MMBtu	208,648	580,340
В	\$ cost, actuals	\$2,858,536	8,239,313
C = B / A (Baseline Column)	Baseline \$/mmbtu	13.700275	13.700275
D	IFO Gen kWh		42,914,162
E	Total kWh, Gen, Purch Pwr, DG		270,751,143
F	Sales kWh		253,457,913
G = (D / E) x F	IFO kWh-sales		40,173,178
Н	Target Heat Rate		14,970
I1	Calculated Heat Rate (YTD subject to fossil ri	sk, before deadband)	14,446
1	Recovery Heat Rate (YTD subject to fossil risk	k, after deadband)	14,870
J = B / A ytd	Actual Cost \$/MMbtu		14.1973975
K = C x H x G / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$8,239,243
L = I x J x G / 1,000,000	Fuel Filing Cost Recovery		\$8,481,173
$M = 0.02 \times (L-K)$	IFO Cost Risk Sharing		\$4,839
	Diesel with target heat rate Fossil Fuel Co	ost Risk Sharing	
AA	MMBtu	329,377	910,224
BB	\$ cost, actuals	6,258,505	17,009,603
CC = BB / AA (Baseline Column)		19.0010470	19.0010470
DD	Diesel Gen kWh		93,366,894
EE	Total kWh, Gen, Purch Pwr, DG		270,751,143
FF	Sales kWh		253,457,913
GG = (DD / EE) x FF	Diesel kWh-sales		87,403,428
НН	Target Heat Rate		10,915
II1	Calculated Heat Rate (YTD subject to fossil ri	sk hefore deadhand)	10,414
	•		10,715
- PR (AA (VTD Calvera))	Recovery Heat Rate (YTD subject to fossil risl Actual Cost \$/MMbtu	k, arter deadband)	18.6872671
JJ = BB/AA (YTD Column)	• •		
KK = CC x HH x GG / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$18,127,159
LL = II x JJ x GG / 1,000,000	Fuel Filing Cost Recovery		\$17,501,144
MM = 0.02 x (LL-KK)	Diesel Cost Risk Sharing (with target heat ra	itej	-\$12,520
FFF	Annual Cap (non-prorated)		600,000
GGG	# Days		365
ннн	Annual Cap (pro-rated, if applicable)		\$600,000
III = M + MM + E, up to cap	Total Fossil Fuel Cost Risk Sharing Adjustme	ent subject to can	-\$7,682
III – IVI + IVIIVI + E, up to cap	Total rossil ruel cost hisk sharing Aujustine	int, subject to cap	-φ1,002
	Non-Adjustable Component		
AAAA = F	YTD kWh under ECRC		253,457,913
BBBB	Non-Adjustable Component, cents/kWh		0.00135
CCCC	Non-Adjustable Component Revenues w/tax		\$3,422
DDDD	Non-Adjustable Component Revenues less to	ax	\$3,118

2022 Cumulative Reconciliation Balance

	(1)		(2) FOA Rec	(3) FOA Rec	(4)	(5)	(6) Month-end
	YTD FOA		Adjust	Less	Try to	Actual	Cumulative
<u>Month</u>	Reconciliation	<u>Qtr</u>	<u>Variance</u>	<u>Variance</u>	Collect	Collect	<u>Balance</u>
January 21					(261,333)	(275,071)	12,258
February 21	374,300	[4]	(9,409)	383,709	(124,767)	(125,584)	270,383
March					(124,767)	(134,386)	135,997
April					(124,767)	(131,121)	4,876
May	(707,400)	(1)	(24,174)	(683,226)	235,800	261,182	(417,168)
June					235,800	262,654	(154,514)
July					235,800	253,310	98,796
August	(80,900)	[2]	45,882	(126,782)	26,967	29,218	1,232
September					26,967	28,336	29,568
October					26,967	27,747	57,315
November	(794,600)	[3]	21,130	(815,730)	264,867	280,992	(477,423)
December					264,867	292,531	(184,892)
January 22					264,867	270,827	85,935
February 22	(849,900)	[4]	44,569	(894,469)	283,300	291,654	(516,880)
March					283,300	304,924	(211,956)
April					283,300		
May	(2,364,200)	[1]	35,938	(2,400,138)	788,067		

NOTES:

Col(1):	Quarterly FOA reconciliation amounts. (Refer to Attachment 6)
	A positive number is an over-collection. A negative number is an under-collection.
Col(2):	FOA reconciliation adjustment variance accumulated during the last three months,
	starting with the fourth prior month; the difference between the estimated recorded

sales used to derive the \$/kwh adjustment and the actual recorded sales.

(Col(5)-Col(4))

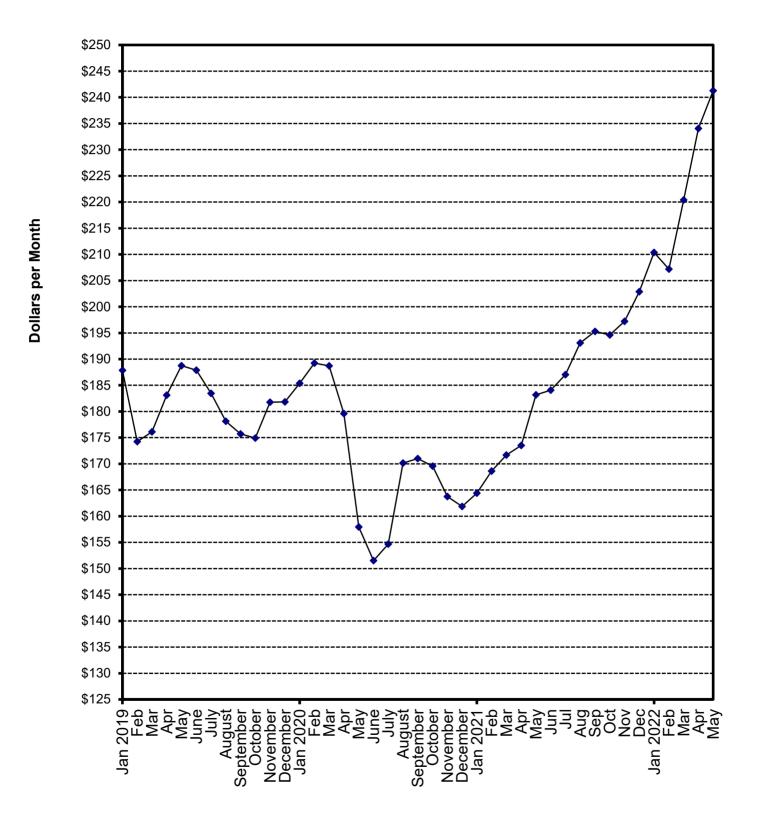
Col(3): FOA reconciliation generated in the current quarter. The YTD FOA reconciliation difference minus the adjustment variance. Col(1)-Col(2)

Col(4): Amount that the FOA reconciliation adjustment is trying to collect. (Col(1) * 1/3)

Col(5): Actual collected amount. (recorded sales * \$/kwh adjustment/1.09751)

Col(6): Cumulative balance of the FOA reconciliation (Previous balance + Col(3) + Col(5))

Hawaii Electric Light Company, Inc. Residential Bill at 500 KWH/Month Consumption



HAWAII ELECTRIC LIGHT COMPANY, INC. FUEL OIL ADJUSTMENT FACTOR DATA

FUEL FACTOR CENTS / KWH

	RESIDENTIAL &	RESIDENTIA	AL BILL (\$)
EFFECTIVE DATE	COMMERCIAL		
January 1, 2019	6.867	187.86	224.86
February 1, 2019	14.631	174.25	208.53
March 1, 2019	14.976	176.1	210.75
April 1, 2019	16.469	183.12	219.17
May 1, 2019	17.396	188.74	225.93
June 1, 2019	17.318	187.89	224.90
July 1, 2019	16.450	183.46	219.63
August 1, 2019	15.331	178.14	213.25
September 1, 2019	14.845	175.70	210.32
October 1, 2019	14.692	174.93	209.40
November 1, 2019	16.302	181.76	217.59
December 1, 2019	16.288	181.82	217.67
,			
January 1, 2020	16.768	185.37	221.88
February 1, 2020	17.547	189.22	226.49
March 1, 2020	17.424	188.72	225.90
April 1, 2020	15.644	179.61	214.96
May 1, 2020	11.215	157.94	188.96
June 1, 2020	10.575	151.51	181.25
July 1, 2020	11.359	154.68	185.07
August 1, 2020	14.389	170.16	203.65
September 1, 2020	14.569	171.01	204.67
October 1, 2020	14.274	169.56	202.93
November 1, 2020	13.426	163.74	195.96
December 1, 2020	13.032	161.87	193.70
,			
January 1, 2021	13.543	164.41	196.74
February 1, 2021	14.523	168.63	201.81
March 1, 2021	15.091	171.67	205.45
April 1, 2021	15.486	173.51	207.68
May 1, 2021	16.982	183.19	219.28
June 1, 2021	16.726	184.08	220.35
July 1, 2021	17.040	187.04	223.92
August 1, 2021	18.134	193.08	231.16
September 1, 2021	18.588	195.30	233.83
October 1, 2021	18.447	194.63	233.01
November 1, 2021	19.470	197.22	236.14
December 1, 2021	20.549	202.87	242.91
January 1, 2022	20.042	210.36	251.90
January 1, 2022	20.942		
February 1, 2022 March 1, 2022	20.361 22.943	207.20 220.40	248.09
			263.93
April 1, 2022	25.717	234.05	280.30
May 1, 2022	27.068	241.26	288.97

HAWAII ELECTRIC LIGHT COMPANY, INC. RESIDENTIAL SURCHARGE DATA

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE		RATE
1/1/2020-10/31/2020	INTERIM RATE ADJUSTMENT 2019	4 0900	PERCENT ON BASE
1/1/2020-6/30/2020	RESIDENTIAL PBF SURCHARGE ADJUSTMENT		CENTS/KWH
2/1/2020- 2/29/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7631	CENTS/KWH
3/1/2020- 3/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7883	CENTS/KWH
4/1/2020- 4/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7717	CENTS/KWH
4/1/2020- 4/30/2020	SOLARSAVER ADJUSTMENT	-0.0267	CENTS/KWH
05/01/2020-5/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8396	CENTS/KWH
5/1/2020 -3/31/2021	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
06/01/2020-6/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8413	CENTS/KWH
6/1/2020-5/31/2021	RBA RATE ADJUSTMENT	-0.4623	CENTS/KWH
07/01/2020-7/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8592	CENTS/KWH
7/1/2020- 6/30/2021	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5882	CENTS/KWH
7/1/2020	GREEN INFRASTRUCTURE FEE	1.19	DOLLARS/MONTH
8/1/2020-8/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9261	CENTS/KWH
9/1/2020-9/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9161	CENTS/KWH
10/1/2020-10/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9222	CENTS/KWH
11/1/2020-11/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9106	CENTS/KWH
11/1/2020	Final Rates (TY2019), Docket No. 2018-0368, Order No.	37395	
12/1/2020-12/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9291	CENTS/KWH
1/1/2021-1/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.9133	CENTS/KWH
1/1/2021-6/30/2021	GREEN INFRASTRUCTURE FEE	1.25	DOLLARS/MONTH
2/1/2021-2/28/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.7782	CENTS/KWH
3/1/2021-3/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.8172	CENTS/KWH
4/1/2021-4/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.7966	CENTS/KWH
4/1/2021-4/30/2021	SOLARSAVER ADJUSTMENT	-0.0033	CENTS/KWH
5/1/2021-5/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2319	CENTS/KWH
5/1/2021-3/31/2022	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
6/1/2021-6/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2333	CENTS/KWH
6/1/2021-12/31/2021	RBA RATE ADJUSTMENT	-0.0299	CENTS/KWH
7/1/2021-12/31/2021	GREEN INFRASTRUCTURE FEE	1.19	DOLLARS/MONTH
7/1/2021-7/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
7/1/2021	RESIDENTIAL PBF SURCHARGE ADJUSTMENT		CENTS/KWH
8/1/2021-8/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
8/1/2021-10/31/2021	RESIDENTIAL DSM ADJUSTMENT		CENTS/KWH
9/1/2021-9/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
10/1/2021-10/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
11/1/2021-11/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
11/1/2021	RESIDENTIAL DSM ADJUSTMENT		CENTS/KWH
12/1/2021-12/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
1/1/2022	GREEN INFRASTRUCTURE FEE		DOLLARS/MONTH
1/1/2022	RBA RATE ADJUSTMENT		CENTS/KWH
1/1/2022-1/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
2/1/2022-2/28/2022	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
2/1/2022- 4/30/2022	RESIDENTIAL DSM ADJUSTMENT		CENTS/KWH
3/1/2022-3/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
4/1/2022-4/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
4/1/2022-4/30/2022	SOLARSAVER ADJUSTMENT		CENTS/KWH
5/1/2022-5/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE		CENTS/KWH
5/1/2022	SOLARSAVER ADJUSTMENT		CENTS/KWH
5/1/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0912	CENTS/KWH

^{**}Base charges include customer charge, demand charge, energy charge, power factor adjustment, voltage discount, and minimum charge.

Calculations of the Average Residential Customer Bill

Base Rates

Base Fuel Energy Charge Non-Fuel Energy Charge First 300 kWh per month Next 700 kWh per month Customer Charge **Total Base Charges**

Interim Rate Adjustment 2019 TY RBA Rate Adjustment Purchased Power Adj. Clause PBF Surcharge DSM Adjustment SolarSaver Adjustment Energy Cost Recovery Green Infrastructure Fee

Avg Residential Bill at 500 kwh

Rate				
	4/01/22	5/01/22		
effective date:	11/01/2020	11/01/2020		
¢/kwh	-	-		
¢/kwh				
¢/kwh	13.4059	13.4059		
¢/kwh	16.7577	16.7577		
\$	11.50	11.50		
% on base	0.0000%	0.0000%		
¢/kwh	1.0380	1.0380		
¢/kwh	2.1141	2.2917		
¢/kwh	0.6478	0.6478		
¢/kwh	(0.0043)	(0.0912)		
¢/kwh	(0.0043)	0.0000		
,	25.7170	27.0680		
¢/kwh				
\$	1.25	1.25		

Charge (\$) at 500 Kwh				
4/01/22	5/01/22	Difference		
\$0.00	\$0.00	\$0.00		
\$73.74	\$73.74	\$0.00		
\$40.22	\$40.22	\$0.00		
\$33.52	\$33.52	\$0.00		
\$11.50	\$11.50	\$0.00		
\$85.24	\$85.24	\$0.00		
\$0.00	\$0.00	\$0.00		
\$5.19	\$5.19	\$0.00		
\$10.57	\$11.46	\$0.89		
\$3.24	\$3.24	\$0.00		
-\$0.02	-\$0.46	-\$0.44		
-\$0.01	\$0.00	\$0.01		
\$128.59	\$135.34	\$6.75		
\$1.25	\$1.25	\$0.00		
\$234.05	\$241.26			

Increase (Decrease -) % Change

\$7.21 3.08%

Base Rates

Base Fuel/Energy Charge Non-Fuel Energy Charge First 300 kWh per month Next 700 kWh per month Customer Charge **Total Base Charges**

Interim Rate Adjustment 2019 TY RBA Rate Adjustment Purchased Power Adj. Clause PBF Surcharge DSM Adjustment SolarSaver Adjustment Energy Cost Recovery Green Infrastructure Fee

Avg Residential Bill at 600 kwh

Rate				
	4/01/22	5/01/22		
effective date:	11/01/2020	11/01/2020		
¢/kwh ¢/kwh	-	-		
¢/kwh	13.4059	13.4059		
¢/kwh	16.7577	16.7577		
\$	11.50	11.50		
% on base	0.0000%	0.0000%		
¢/kwh	1.0380	1.0380		
¢/kwh	2.1141	2.2917		
¢/kwh	0.6478	0.6478		
¢/kwh	(0.0043)	(0.0912)		
¢/kwh	(0.0011)	0.0000		
¢/kwh	25.7170	27.0680		
\$	1.25	1.25		

Charge (\$) at 600 Kwh				
4/01/22	5/01/22	Difference		
\$0.00	\$0.00	\$0.00		
\$90.49	\$90.49	\$0.00		
\$40.22	\$40.22	\$0.00		
\$50.27	\$50.27	\$0.00		
\$11.50	\$11.50	\$0.00		
\$101.99	\$101.99	\$0.00		
\$0.00	\$0.00	\$0.00		
\$6.23	\$6.23	\$0.00		
\$12.68	\$13.75	\$1.07		
\$3.89	\$3.89	\$0.00		
-\$0.03	-\$0.55	-\$0.52		
-\$0.01	\$0.00	\$0.01		
\$154.30	\$162.41	\$8.11		
\$1.25	\$1.25	\$0.00		
\$280.30	\$288.97			

Increase (Decrease -) % Change

\$8.67 3.09% From: puc@hawaii.gov
To: Phillipson, Yvonne

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