



July 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 August 2022

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") Energy Cost Recovery factor for August 2022 is 30.507 cents per kilowatt-hour ("kWh"), an increase of 0.152 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$260.56, an increase of \$1.06 compared to rates effective July 1, 2022. The increase in the residential bill is due to the increase in the Energy Cost Recovery Factor (+\$0.76) and an increase in the Demand Side Management Adjustment (+\$0.48), partially offset by a decrease in the Purchased Power Adjustment Clause rate (-\$0.18).

Hawai'i Electric Light's fuel composite cost of generation increased 203.64 cents per million BTU to 2,608.90 cents per million BTU. The composite cost of distributed generation increased 1.511 cents per kWh to 22.973 cents per kWh. The composite cost of purchased energy decreased 0.469 cents per kWh to 20.914 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 August 1, 2022.

Very truly yours,

/s/ Dean K. Matsuura

Dean K. Matsuura
Director, Regulatory Rate Proceedings

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>7/01/22</u>	<u>8/01/22</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	2,405.26	2,608.90	203.64
Dispersed Generation Energy, ¢/kWh	21.462	22.973	1.511
Purchased Energy, ¢/kWh	21.383	20.914	(0.469)
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	30.355	30.507	0.152
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	30.355	30.507	0.152
Residential Customer with:			
500 KWH Consumption - \$/Bill	259.50	\$260.56	\$1.06
600 KWH Consumption - \$/Bill	310.86	\$312.13	\$1.27

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

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

<u>Line</u>		
1	Effective Date	August 1, 2022
2	Supercedes Factors of	July 1, 2022

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		1,870.83			
5	Puna Industrial		1,896.08			
6	Keahole Diesel		3,209.87			
6a	Keahole ULSD		2,294.02			
7	Waimea ULSD Diesel		2,286.89			
8	Hilo Diesel		3,168.98			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		2,255.99			
9	Puna Diesel		3,211.65			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		28.018			
14	Puna Industrial		15.906			
15	Keahole Diesel		50.283			
15a	Keahole ULSD		0.678			
16	Waimea ULSD Diesel		0.224			
17	Hilo Diesel		0.215			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.387			
18	Puna Diesel		4.137			
19	Wind		0.000			
20	Hydro		0.151			
			100.00000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		2,608.90			
22	% Input to System kWh Mix		48.585			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
		Eff Factor	Percent of Centrl Stn + Wind/Hydro	Weighted Eff Factor		
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Wind/Hydro</u>	<u>Eff Factor</u>		
23	Industrial	0.014970	43.924	0.006575		
24	Diesel	0.010915	55.925	0.006104		
25	Other	0.012426	0.151	0.000019		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)		100.0000			
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0126980		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			16.09515		
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 + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))			0.00000		
32	COST LESS BASE (Line 27 - 31)			16.09515		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			17.66443		
				DG ENERGY COMPONENT		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	22.973
				36	% Input to System kWh Mix	0.062
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.01424
				38	BASE DG ENERGY COMPOSITE COST	0.000
				39	Base % Input to System kWh Mix	0.00
				40	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39)	0.00000
				41	Cost Less Base (Line 37 - 40)	0.01424
				42	Loss Factor	1.062
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.01660
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	17.66443
				46	DG (line 44)	0.01660
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	17.68103

¹ Hilo ULSD same location as Kanoelehua ULSD

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

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

<u>PURCHASED ENERGY COMPONENT</u>			<u>Calculation of Monthly Fossil Fuel Cost Risk Sharing Component</u>		
Line			Line		
	PURCHASED ENERGY PRICE, ¢/kWh -- Fossil			Baseline IFO	
48	HEP	28.952	94	IFO \$, baseline month	\$2,858,536
	PURCHASED ENERGY PRICE, ¢/kWh -- Renewable		95	IFO mmbtu, baseline	208,648
49	PGV On Peak	25.701	96	Baseline IFO, ¢/mmbtu	1370.03
50	PGV Off Peak	25.649		Baseline Diesel	
51	PGV - Add'l 5 MW On Peak	13.650	97	Diesel \$, baseline month	\$6,258,505
52	PGV - Add'l 5 MW Off Peak	13.650	98	Diesel mmbtu, baseline	329,377
53	PGV - Add'l 8 MW On Peak	6.940	99	Baseline Diesel, ¢/mmbtu	1,900.10
54	PGV - Add'l 8 MW Off Peak	6.940		Month IFO	
55	Wailuku Hydro On Peak	25.701	100	IFO mmbtu, budget	237,058
56	Wailuku Hydro Off Peak	25.649	101	IFO Cost, ¢/mmbtu	1,879.97
57	Hawi Renewable Dev. On Peak	25.701	102	IFO ECRC Fossil Cost	\$4,456,635
58	Hawi Renewable Dev. Off Peak	25.649	103	IFO Base ECRC Recovery Target	\$3,247,765
59	Tawhiri (Pakini Nui) On Peak	15.840	104	IFO differential	\$1,208,870
60	Tawhiri (Pakini Nui) Off Peak	15.350		Month Diesel	
61	HEP Biodiesel	28.952	105	Diesel mmbtu, budget	301,830
62	Small Hydro (>100 KW) On Peak	25.701	106	Diesel Cost, ¢/mmbtu	3,188.44
63	Small Hydro (>100 KW) Off Peak	25.649	107	Diesel ECRC Fossil Cost	\$9,623,642
63a	CBRE	15.000	108	Diesel Base ECRC Recovery Target	\$5,735,077
64	Sch Q Hydro (<100 KW)	25.250	109	Diesel differential	\$3,888,566
65	FIT	23.800	110	Total Fossil	\$5,097,435
	PURCHASED ENERGY KWH MIX, %, Fossil	10.058	111	2% of above	\$101,949
	PURCHASED ENERGY KWH MIX, %, Renewable		112	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year	\$238,438
67	PGV On Peak	20.735	113	Maximum Annual Cap (bi-directional)	\$600,000
68	PGV Off Peak	13.033	114	Number of Days in year from implementation	365
69	PGV - Add'l On Peak	4.147	115	Fossil Risk % Proration (based on 365 day year)	100.00%
70	PGV - Add'l Off Peak	2.962	116	Maximum Annual Cap (bi-directional) prorated	\$600,000
71	PGV - Add'l 8 MW On Peak	6.702	117	Applicable Monthly Fossil Fuel Cost Risk Sharing	\$101,949
72	PGV - Add'l 8 MW Off Peak	6.617	118	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month	\$340,386
73	Wailuku Hydro On Peak	2.435		Derivation of Non-Adjustable Component:	
74	Wailuku Hydro Off Peak	1.792	119	Fossil Cost Risk Sharing before taxes	\$101,949
75	Hawi Renewable Dev. On Peak	4.696	120	Revenue Tax Adjustment	1.097514
76	Hawi Renewable Dev. Off Peak	2.283	121	Fossil Cost Risk Sharing w/revenue tax	\$111,890
77	Tawhiri (Pakini Nui) On Peak	11.560	122	Forecasted Month MWh Sales	90,838
78	Tawhiri (Pakini Nui) Off Peak	7.039	123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh	-0.1232
79	HEP Biodiesel	4.901			
80	Small Hydro (>100 KW) On Peak	0.000			
81	Small Hydro (>100 KW) Off Peak	0.000	93A	Ocean Cargo Insurance Exp, \$000	\$13.1
81a	CBRE	0.238		HELCO-603, page 1, line 4	
82	Sch Q Hydro (<100 KW)	0.000	93B	Revenue Tax Adjustment	1.097514
83	FIT	0.802	93C	Non-Adj Revenues, \$000	\$14.4
	100.000		93D	2019 TY Sales, MWh	1,061,718
83a	Comp. Cost Purchased Energy Fossil, ¢/kWh	28.9520		HELCO-301	
83b	Comp. Cost Purchased Energy Renewable, ¢/kWh	20.0148	93E	Non-Adj Revenues, ¢/kWh	0.00135
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh	20.914			
85	% Input to System kWh Mix	51.353			
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))	10.73997			
87	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh	0.000			
88	Base % Input to Sys kWh Mix	0.00			
89	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88))	0.00000			
90	COST LESS BASE (Lines (86 - 89))	10.73997			
91	Loss Factor	1.062			
92	Revenue Tax I*	1.0975			
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))	12.51792			
				SYSTEM COMPOSITE	
			124	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	30.19895
			125	Fossil Fuel Cost Risk Sharing Component (Line 123)	(0.123)
			126	Non-Adjustable Component (Line 93E)	0.00135
			127	ECA Reconciliation Adjustment	0.430
			128	ECA FACTOR, ¢/kWh (Lines (124 + 125 + 126 + 127))	30.507

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR August 1, 2022

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	117.8624	117.8624
Land Transportation Cost - \$/BBL	--	1.5909
Industrial Costs For Filing - \$/BBL	117.8624	119.4533
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	<u>1,870.83</u>	<u>1,896.08</u>

DIESEL FUEL COSTS:

	KEAHOLE	PUNA CT-3	HILO
Average Diesel Fuel Cost - \$/BBL	184.4495	184.4495	184.4495
Land Transportation Cost - \$/BBL	3.6486	3.7530	1.2530
Diesel Costs For Filing - \$/BBL	188.0981	188.2025	185.7025
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	<u>3,209.87</u>	<u>3,211.65</u>	<u>3,168.98</u>

ULSD FUEL COSTS:

	KEAHOLE	WAIMEA	HILO	DISPERSED GENERATION
Average ULSD Fuel Cost - \$/BBL	128.0004	128.0004	128.0004	128.0004
Land Transportation Cost - \$/BBL	3.4468	3.0381	1.2677	-
ULSD Costs For Filing - \$/BBL	131.4473	131.0385	129.2681	128.0004
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	<u>2,294.02</u>	<u>2,286.89</u>	<u>2,255.99</u>	<u>2,233.86</u>

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	108.1361
\$/BBI Inv Cost:	128.0004
Fuel \$ (Prod Sim Consumption x Unit Cost)	13,841.47
Net kWh (from Prod Sim)	60,250
cents/kWh:	22.973

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 06/30/2022	0	0.00	37,744	4,116,560.39			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	(13,793)	(1,574,462.12)			
Actual	0	0.00	14,852	1,670,661.65			
Consumed: Estimate	0	0.00	14,705	1,817,954.15			
Actual	0	0.00	(14,397)	(1,583,628.62)			
Balance Per G/L 06/30/2022	<u>0</u>	<u>0.00</u>	<u>39,111</u>	<u>4,447,085.45</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	19,706	2,253,554.07			
Consumed	<u>0</u>	<u>0.00</u>	<u>(31,527)</u>	<u>(3,558,310.62)</u>	106.5901	0.0000	106.5901
Balance @ 07/31/2022	0	0.00	27,290	3,142,328.90			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 07/31/2022	<u>0</u>	<u>0.00</u>	<u>27,290</u>	<u>3,142,328.90</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(3,142,328.90)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	3,216,465.06			
Total @ 08/01/2022 Avg Price	<u>0</u>	<u>0.00</u>	<u>27,290</u>	<u>3,216,465.06</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 115.1458

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 117.8624

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 06/30/2022	9,553	1,077,493.30	15,197.79			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers out: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Consumed: Estimate	0	0.00	0.00			
Actual	0	8,723.04	0.00			
Balance Per G/L 06/30/2022	9,553	1,086,216.34	15,197.79			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0	0	0.00			
Consumed	0	0.00	0.00	112.8655	1.5909	114.4564
Balance @ 07/31/2022	9,553	1,086,216.34	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	1,086,216.34	15,197.79		1.5909	
Reverse Fuel Balance	XXXXXXXXXXXX	(1,086,216.34)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	1,125,939.57	XXXXXXXXXXXX			
Total @ 08/01/2022 Avg Price	9,553	1,125,939.57	15,197.79			

Weighted Avg Cost/BBL by Location

113.7042

1.5909

Weighted Avg Cost/BBL @ Avg Cost

117.8624

1.5909

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 06/30/2022	43,483.8	1,826,318.0	7,230,705.0	149,401.2			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Transfers out: Estimate		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfers in: Estimate	(39,335.5)	(1,652,091.0)	(6,536,955.3)	(143,385.8)			
Actual	38,879.3	1,632,930.0	6,363,257.1	138,767.38			
Consumed: Estimate	43,517.7	1,827,745.0	6,872,060.1	163,718.08			
Actual	(41,714.0)	(1,751,988.0)	(6,277,918.8)	(154,136.8)	150.4991		
Balance Per G/L 06/30/2022	44,831.3	1,882,914	7,651,148.04	154,364.13	170.6654		
Purchases		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer out		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	46,188.8	1,939,930.0	8,573,690.2	168,367.4	185.6227		
Consumed	(44,007.3)	(1,848,307.0)	(7,491,808.8)	(151,200.31)	170.2401	3.4358	173.6759
Balance @ 07/31/2022	47,012.8	1,974,537	8,733,029.50	171,531.26	185.7586		
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	47,012.8	1,974,537	8,733,029.50	171,531.26	185.7586		
Reverse Fuel Balance		xxxxxxxxxxxxxx	(8,733,029.5)	xxxxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxxxx	8,671,484.9	xxxxxxxxxxxxxx			
Total @ 08/01/2022 Avg Price	47,012.8	1,974,537	8,671,484.94	171,531.26	184.4495		

Weighted Avg Cost/BBL by Location 185.7586 3.6486

Weighted Avg Cost/BBL @ Avg Cost 184.4495 3.6486

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCL LT	BARREL LT	TOTAL
Balance at 06/30/2022	1381.0	58,002	224,528	1,745			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Actual		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Actual		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfers in: Estimate	-378.0	-15878.0	-64984.7	-473.3			
Actual	945.8	39725.0	160821.0	1179.9			
Consumed: Estimate	430.0	18060.0	67903.0	542.4			
Actual	-887.6	-37278.0	-133768.4	-1103.9			
Balance Per G/L 06/30/2022	1491.2	62,631	254,498.64	1,890.18	170.6654		
Purchases	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer in	2830.5	118882.0	530789.8	3543.8	187.5014		
Consumed	-1782.1	-74848.0	-303384.1	-2251.9	170.2401	1.2636	171.5037
Balance @ 07/31/2022	2,539.6	106,665	481,904.40	3,182.14	189.7528		
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	2,539.6	106,665	481,904.40	3,182.14	189.7528		
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	-481,904.40	XXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	468,435.86	XXXXXXXXXX			
Total @ 08/01/2022 Avg Price	2,539.6	106,665	468,435.86	3,182.14	184.4495		

Weighted Avg Cost/BBL by Location

189.7528 1.2530

Weighted Avg Cost/BBL @ Avg Cost

184.4495 1.2530

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 06/30/2022	2,350.1	98,706	281,355.79	8,388.52			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(32,957.40)	(692.59)			
Actual	188.6	7,922	32,721.81	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		182	0.00	15.80			
Actual		(186)	0.00	687.55			
Consumed: Estimate	170.0	7,140	19,250.92	601.09			
Actual	(164.6)	(6,912)	(23,465.63)	(894.69)	142.5863		
Balance Per G/L 06/30/2022	2,354.1	98,872	276,905.49	8,105.68	117.6271		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	37,608.98	692.59			
Transfer in	(7.1)	(298)	0.00	(25.86)	0.00		
Consumed	(226.7)	(9,520)	(27,104.62)	(809.06)	119.5792	3.5694	123.1486
Balance @ 07/31/2022	2,310.3	97,034	287,409.85	7,963.34	124.4019		
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	2,310.3	97,034	287,409.85	7,963.34	124.4019		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxx	(287,409.85)	xxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxx	xxxxxxxxxx	295,723.64	xxxxxxxxxx			
Total @ 08/01/2022 Avg Price	2,310.3	97,034	295,723.64	7,963.34	128.0004		

Weighted Avg Cost/BBL by Location

124.4019 3.4468

Weighted Avg Cost/BBL @ Avg Cost

128.0004 3.4468

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 06/30/2022	927.0	38,933.0	117,425.1	2,797.60			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(32,957.40)	(576.71)			
Actual		0.0	0.0	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(1.4)	(59)	0.00	0.00			
Actual	0.4	16	0.00	0.00			
Consumed: Estimate	95.0	3,990	10,757.87	284.61			
Actual	(109.5)	(4,598)	(10,360.41)	(317.33)			
Balance Per G/L 06/30/2022	721.5	30,302	84,865.18	2,188.17	117.6271		
ULSD Purchases	188.5	7,918	37,316.78	572.23	197.9420		
Estimated Purchases	190.0	7,980	37,608.98	576.71			
Transfer in	xxxxxxxxxxxx	38	0.00	0.00	#DIV/0!		
Consumed	(376.8)	(15,827)	(45,061.43)	(1,137.28)	119.5792	3.0180	122.5972
Balance @ 07/31/2022	724.1	30,411	114,729.51	2,199.82	158.4505		
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	724.1	30,411	114,729.51	2,199.82	158.4505		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(114,729.51)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	92,681.45	xxxxxxxxxxxx			
Total @ 08/01/2022 Avg Price	724.1	30,411	92,681.45	2,199.82	128.0004		

Weighted Avg Cost/BBL by Location

158.4505 3.0381

Weighted Avg Cost/BBL @ Avg Cost

128.0004 3.0381

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 06/30/2022	1,271.1	53,386.0	145,793.3	1609.2
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	0.0	0	0.00	0.00
Actual	0.0	0	0.00	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		0	0.00	0.00
Actual		0	0.00	0.00
Consumed: Estimate	43.5	1,827	4,925.97	55.17
Actual	(47.1)	(1,979)	(1,629.66)	(57.74)
Balance Per G/L 06/30/2022	1,267.5	53,234	149,089.60	1,606.59
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	0	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(98.3)	(4,129)	(11,755.77)	(124.46)
Balance @ 07/31/2022	1,169.2	49,105	137,333.83	1,482.13
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	1,169.2	49,105	137,333.83	1,482.13
Reverse Fuel Balance	x	x	(137,333.83)	x
Fuel Balance @ Avg Price	x	x	149,653.83	x
Total @ 08/01/2022 Avg Price	1,169.2	49,105	149,653.83	1,482.13

Weighted Avg Cost/BBL by Location

117.4630 1.2677

Weighted Avg Cost/BBL @ Avg Cost

128.0004 1.2677

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2022

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 06/30/2022	144.3	6,060	16,550.98	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	6.0	254	684.84	
Actual	(7.5)	(315)	(434.74)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 06/30/2022	142.83	5,999	16,801.08	117.6272
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(8.0)	(336)	(956.63)	119.5792
Balance @ 07/31/2022	134.8	5,663	15,844.45	117.5113
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 07/31/2022	134.8	5,663	15,844.45	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(15,844.45)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	17,258.72	xxxx
Total @ 08/01/2022 Avg Price	134.8	5,663	17,258.72	128.0004

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

		August 1, 2022 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	25.701	6.560
PGV (22 MW)	- off peak	25.649	5.430
WAILUKU HYDRO	- on peak	25.701	7.240
	off peak	25.649	5.970
Other: (<100 KW)	Sch Q Rate	25.250	
		August 1, 2022 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		28.952	
PGV Addtl 5 MW	- on peak	13.650	0.0000
	- off peak	13.650	0.0000
PGV Addtl 8 MW	- on peak	6.940	0.0000
	- off peak	6.940	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
August 1, 2022

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	\$1,068,900
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	\$356,300
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$391,044
5	Estimated MWh Sales (August 1, 2022)	90,838 mwh
6	Adjustment (Line 4 / Line 5)	0.430 ¢/kwh

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

LINE	DESCRIPTION	Info Only	collectn	Basis for Recon
		June 2022 YTD Total No Deadband	by company*	June 2022 YTD Total Deadband
ACTUAL COSTS:				
1	Generation	\$58,311.2		\$58,311.2
2	Distributed Generation	\$4.7		\$4.7
3	Purch Power	\$59,483.6		\$59,483.6
4	TOTAL	<u>\$117,799.5</u>		<u>\$117,799.5</u>
FUEL FILING COST				
5	Generation	\$59,703.7		\$58,800.9
6	Distributed Generation	\$4.7		\$4.7
7	Purch Power	\$59,483.6		\$59,483.6
8	TOTAL	<u>\$119,192.0</u>		<u>\$118,289.3</u>
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	<u>\$0.0</u>		<u>\$0.0</u>
13	FUEL-BASE COST (Line 8-12)	\$119,192.0		\$118,289.3
14	ACTUAL FOA LESS TAX	\$117,410.2		\$117,410.2
15	Less: FOA reconciliation adj for prior year	\$1,114.8		\$1,114.8
15A	Less: Non-Adjustable Component Revenues Less Tax	\$6.3		\$6.3
16	ADJUSTED FOA LESS TAX	<u>\$116,289.1</u>		<u>\$116,289.1</u>
17	FOA-(FUEL-BASE) (Line 16-13)	-\$2,902.9	under	-\$2,000.2 under
ADJUSTMENTS:				
18	Current year FOA accrual reversal	-\$1,576.2		-\$1,576.2
19	Other prior year FOA	\$0.0		\$0.0
20	Other	<u>\$0.0</u>		<u>\$0.0</u>
21	QUARTERLY FOA RECONCILIATION (Line 17+18+19+20)	-\$4,479.1	under	-\$3,576.4 under
21A	YTD Fossil Fuel Cost Risk Sharing Adjustment	\$143.3		\$143.3
21B	QUARTERLY FOA RECON w/Fossil Risk Adj (L21+L21A)	<u>-\$4,335.8</u>		<u>-\$3,433.1</u> under
22	First Quarter Reconciliation			-2,364.2
23	FOA Reconciliation to be returned or Collected			-1,068.9 under

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

**Hawai'i Electric Light Company
DEADBAND CALCULATION
For Period: January 1, 2022 to June 30, 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	a	71,201,171
Industrial Consumption (Recorded), MMBTU	b	1,035,200
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	14,539
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
<u>Diesel</u>		
Diesel Efficiency Factor (per D&O), BTU/kWh*	f	10,915
Diesel Deadband Definition, +/- BTU/kWh	d	200
Diesel Portion of Recorded Sales, MWh	a	179,474,558
Diesel Consumption (Recorded), MMBTU	b	1,908,841
Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	10,636
Lower limit of Diesel Deadband, BTU/kWh	e= f-d	10,715
Higher limit of Diesel Deadband, BTU/kWh	g=f+d	11,115
Diesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	10,715
<u>Biodiesel</u>		
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	100
Hydro Portion of Recorded Sales, MWh	a	4,022,539
Hydro Consumption (Recorded), MMBTU	b	47,333
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	11,767
Lower limit of Hydro Deadband, BTU/kWh	e= f-d	12,326
Higher limit of Hydro Deadband, BTU/kWh	g=f+d	12,526
Hydro Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	12,326

* 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 - June 30, 2022

	Without Deadband	With Deadband
	Jan 1 - Jun 30	As Filed
	Jan 1 - Jun 30	Jan 1 - Jun 30
<u>INDUSTRIAL FUEL FILING COST</u>		
Industrial Portion of Recorded Sales , kWh	71,201,171	71,201,171
Industrial Efficiency Factor (mmbtu/kwh)	0.014970	0.014870
Mmbtu adjusted for Sales Efficiency Factor	1,065,882	1,058,761
\$/mmbtu	<u>\$15.4098</u>	<u>\$15.4098</u>
TOTAL INDUSTRIAL \$000s TO BE RECOVERED	\$16,425.043	\$16,315.324
<u>DIESEL FUEL FILING COST</u>		
Diesel Portion of Recorded Sales, kWh	179,474,558	179,474,558
Diesel Efficiency Factor (mmbtu/kwh)	0.014870	0.010715
Mmbtu adjusted for Sales Efficiency Factor	2,668,787	1,923,070
\$/mmbtu	<u>\$16.2166</u>	<u>\$22.0926</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$43,278.610	\$42,485.598
<u>HYDRO FUEL FILING COST</u>		
Hydro Portion of Recorded Sales , kWh	4,022,539	4,022,539
Hydro Efficiency Factor (mmbtu/kwh)	0.012426	0.012326
Mmbtu adjusted for Sales Efficiency Factor	49,984	49,582
\$/mmbtu	<u>\$0.0000</u>	<u>\$0.0000</u>
TOTAL HYDRO \$000s TO BE RECOVERED	\$0.000	\$0.000
TOTAL GENERATION FUEL FILING COST, \$000s	\$59,703.7	\$58,800.9
<u>CALCULATION OF GENERATION BASE FUEL COST</u>		
TOTAL GENERATION BASE FUEL COST, \$000s	\$0.0	\$0.0
TOTAL GENERATION FUEL FILING COST, \$000s YTD	\$59,703.7	\$58,800.9
TOTAL GENERATION BASE FUEL COST YTD	\$0.0	\$0.0

Fossil Fuel Cost Risk Sharing Mechanism and Non-Adjustable Component,			
	LSFO/IFO Fossil Fuel Cost Risk Sharing	Baseline	YTD Subject to Fossil Risk
A	MMBtu	208,648	1,035,200
B	\$ cost, actuals	\$2,858,536	15,968,577
C = B / A (Baseline Column)	Baseline \$/mmbtu	13.700275	13.700275
D	IFO Gen kWh		75,910,490
E	Total kWh, Gen, Purch Pwr, DG		548,667,429
F	Sales kWh		514,582,238
G = (D / E) x F	IFO kWh-sales		71,194,658
H	Target Heat Rate		14,970
I1	Calculated Heat Rate (YTD subject to fossil risk, before deadband)		14,539
I	Recovery Heat Rate (YTD subject to fossil risk, after deadband)		14,870
J = B / A ytd	Actual Cost \$/MMbtu		15.4255937
K = C x H x G / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$14,601,535
L = I x J x G / 1,000,000	Fuel Filing Cost Recovery		\$16,330,529
M = 0.02 x (L-K)	IFO Cost Risk Sharing		\$34,580
Diesel with target heat rate Fossil Fuel Cost Risk Sharing			
AA	MMBtu	329,377	1,908,841
BB	\$ cost, actuals	6,258,505	42,342,630
CC = BB / AA (Baseline Column)	Baseline \$/mmbtu	19.0010470	19.0010470
DD	Diesel Gen kWh		191,388,353
EE	Total kWh, Gen, Purch Pwr, DG		548,667,429
FF	Sales kWh		514,582,238
GG = (DD / EE) x FF	Diesel kWh-sales		179,498,621
HH	Target Heat Rate		10,915
I11	Calculated Heat Rate (YTD subject to fossil risk, before deadband)		10,636
II	Recovery Heat Rate (YTD subject to fossil risk, after deadband)		10,715
JJ = BB/AA (YTD Column)	Actual Cost \$/MMbtu		22.1823709
KK = CC x HH x GG / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$37,227,373
LL = II x JJ x GG / 1,000,000	Fuel Filing Cost Recovery		\$42,663,969
MM = 0.02 x (LL-KK)	Diesel Cost Risk Sharing (with target heat rate)		\$108,732
FFF	Annual Cap (non-prorated)		600,000
GGG	# Days		365
HHH	Annual Cap (pro-rated, if applicable)		\$600,000
III = M + MM + E, up to cap	Total Fossil Fuel Cost Risk Sharing Adjustment, subject to cap		\$143,312
Non-Adjustable Component			
AAAA = F	YTD kWh under ECRC		514,582,238
BBBB	Non-Adjustable Component, cents/kWh		0.00135
CCCC	Non-Adjustable Component Revenues w/tax		\$6,947
DDDD	Non-Adjustable Component Revenues less tax		\$6,330

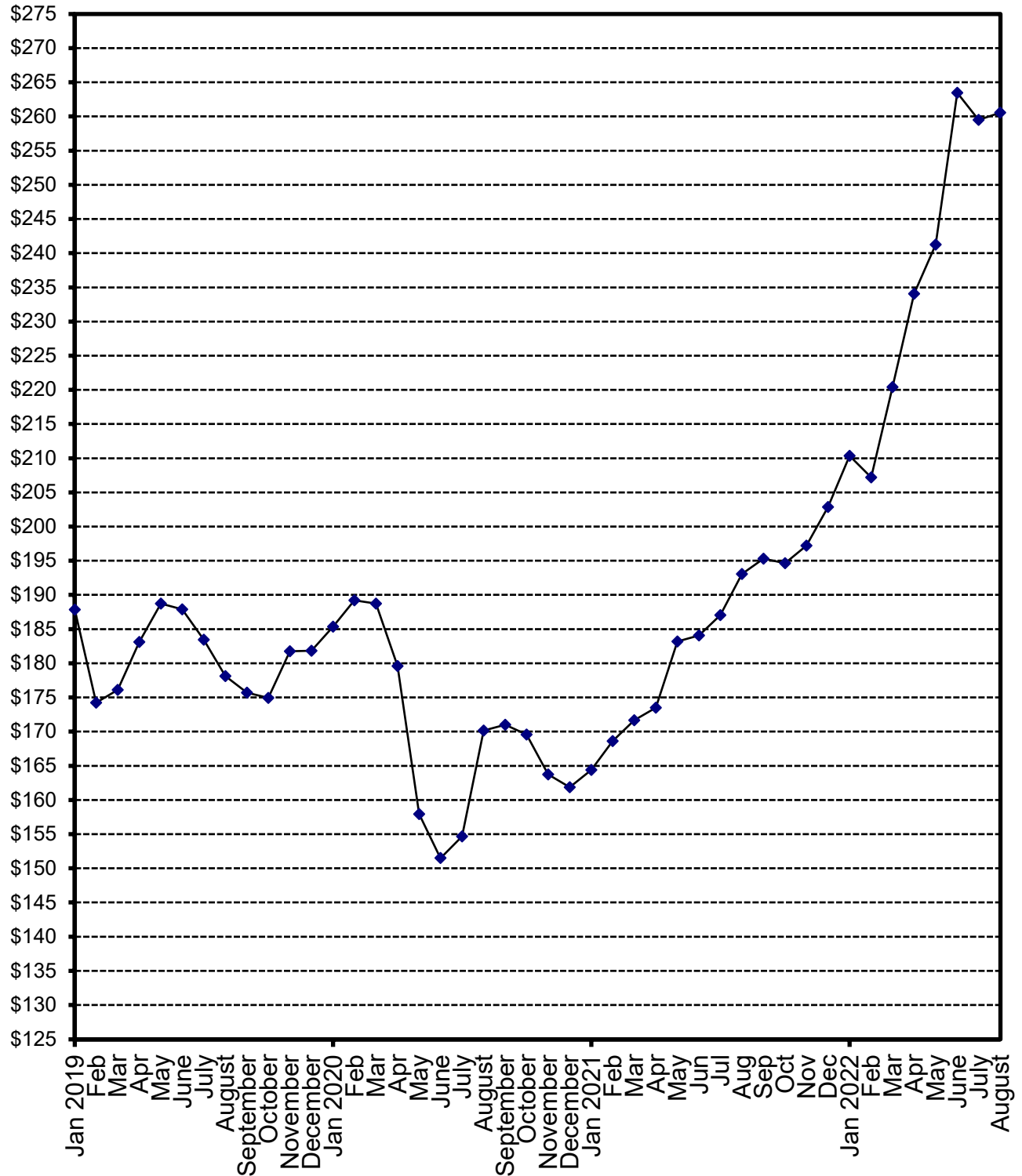
HAWAII ELECTRIC LIGHT COMPANY, INC.
2022 Cumulative Reconciliation Balance

<u>Month</u>	(1) <u>YTD FOA Reconciliation</u>	<u>Qtr</u>	(2) <u>FOA Rec Adjust Variance</u>	(3) <u>FOA Rec Less Variance</u>	(4) <u>Try to Collect</u>	(5) <u>Actual Collect</u>	(6) <u>Month-end Cumulative 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	310,129	98,173
May	(2,364,200)	[1]	35,938	(2,400,138)	788,067	865,010	(1,436,955)
June					788,067	818,932	(618,023)
July					788,067		
August	(1,068,900)	[2]	134,637	(1,203,537)	356,300		

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**

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		<u>RESIDENTIAL BILL (\$)</u>	
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>@ 600 KWH</u>	
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	20.942	210.36	251.90	
February 1, 2022	20.361	207.20	248.09	
March 1, 2022	22.943	220.40	263.93	
April 1, 2022	25.717	234.05	280.30	
May 1, 2022	27.068	241.26	288.97	
June 1, 2022	31.165	263.48	315.62	
July 1, 2022	30.355	259.50	310.86	
August 1, 2022	30.507	260.56	312.13	

**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	0.7437 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	2.4649 CENTS/KWH
7/1/2021-06/30/2022	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.6478 CENTS/KWH
8/1/2021-8/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4876 CENTS/KWH
8/1/2021-10/31/2021	RESIDENTIAL DSM ADJUSTMENT	0.0893 CENTS/KWH
9/1/2021-9/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4776 CENTS/KWH
10/1/2021-10/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4838 CENTS/KWH
11/1/2021-11/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.0761 CENTS/KWH
11/1/2021	RESIDENTIAL DSM ADJUSTMENT	-0.0051 CENTS/KWH
12/1/2021-12/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.1263 CENTS/KWH
1/1/2022-06/30/2022	GREEN INFRASTRUCTURE FEE	1.25 DOLLARS/MONTH
1/1/2022-5/31/2022	RBA RATE ADJUSTMENT	1.0380 CENTS/KWH
1/1/2022-1/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1529 CENTS/KWH
2/1/2022-2/28/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.0987 CENTS/KWH
2/1/2022- 4/30/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0043 CENTS/KWH
3/1/2022-3/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1564 CENTS/KWH
4/1/2022-4/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1141 CENTS/KWH
4/1/2022-4/30/2022	SOLARSAVER ADJUSTMENT	-0.0011 CENTS/KWH
5/1/2022-5/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2917 CENTS/KWH
5/1/2022	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
5/1/2022-7/31/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0912 CENTS/KWH
6/1/2022-6/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.3052 CENTS/KWH
6/1/2022	RBA RATE ADJUSTMENT	1.3708 CENTS/KWH
7/1/2022-7/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.3333 CENTS/KWH
7/1/2022-12/31/2022	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
7/1/2022	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.6488 CENTS/KWH
8/1/2022-8/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2981 CENTS/KWH
8/1/2022	RESIDENTIAL DSM ADJUSTMENT	0.0035 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

	Rate		Charge (\$) at 500 Kwh			
	7/01/22	8/01/22	7/01/22	8/01/22	Difference	
Base Rates	effective date:	11/01/2020	11/01/2020			
Base Fuel Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$73.74	\$73.74	\$0.00
First 300 kWh per month	¢/kwh	13.4059	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	16.7577	\$33.52	\$33.52	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$85.24	\$85.24	\$0.00
Interim Rate Adjustment 2019 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh	1.3708	1.3708	\$6.85	\$6.85	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.3333	2.2981	\$11.67	\$11.49	-\$0.18
PBF Surcharge	¢/kwh	0.6488	0.6488	\$3.24	\$3.24	\$0.00
DSM Adjustment	¢/kwh	(0.0912)	0.0035	-\$0.46	\$0.02	\$0.48
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	30.3550	30.5070	\$151.78	\$152.54	\$0.76
Green Infrastructure Fee	\$	1.18	1.18	\$1.18	\$1.18	\$0.00
Avg Residential Bill at 500 kwh				\$259.50	\$260.56	
				Increase (Decrease -)	\$1.06	
				% Change	0.41%	

	Rate		Charge (\$) at 600 Kwh			
	7/01/22	8/01/22	7/01/22	8/01/22	Difference	
Base Rates	effective date:	11/01/2020	11/01/2020			
Base Fuel/Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$90.49	\$90.49	\$0.00
First 300 kWh per month	¢/kwh	13.4059	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	16.7577	\$50.27	\$50.27	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$101.99	\$101.99	\$0.00
Interim Rate Adjustment 2019 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh	1.3708	1.3708	\$8.22	\$8.22	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.3333	2.2981	\$14.00	\$13.79	-\$0.21
PBF Surcharge	¢/kwh	0.6488	0.6488	\$3.89	\$3.89	\$0.00
DSM Adjustment	¢/kwh	(0.0912)	0.0035	-\$0.55	\$0.02	\$0.57
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	30.3550	30.5070	\$182.13	\$183.04	\$0.91
Green Infrastructure Fee	\$	1.18	1.18	\$1.18	\$1.18	\$0.00
Avg Residential Bill at 600 kwh				\$310.86	\$312.13	
				Increase (Decrease -)	\$1.27	
				% Change	0.41%	

Phillipson, Yvonne

From: puc@hawaii.gov
Sent: Wednesday, July 27, 2022 11:15 AM
To: Phillipson, Yvonne
Subject: Hawaii PUC eFiling Confirmation of Filing

[This email is coming from an EXTERNAL source. Please use caution when opening attachments or links in suspicious email.]

Your eFile document has been filed with the Hawaii Public Utilities commission on 2022 Jul 27 AM 11:12. The mere fact of filing shall not waive any failure to comply with Hawaii Administrative Rules Chapter 6-61, Rules of Practice and Procedure Before the Public Utilities Commission, or any other application requirements. Your confirmation number is YVON22111247443. If you have received this email in error please notify the Hawaii Public Utilities Commission by phone at 808 586-2020 or email at hawaii.puc@hawaii.gov.