



September 27, 2023

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 October 2023

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") Energy Cost Recovery factor for October 2023 is 21.429 cents per kilowatt-hour ("kWh"), an increase of 1.282 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$222.45, an increase of \$6.42 compared to rates effective September 1, 2023. The increase in the residential bill is due to the increase in the Energy Cost Recovery Factor (+\$6.41), and the increase in Purchased Power Adjustment Clause rate (+\$0.01).

Hawai'i Electric Light's fuel composite cost of generation increased (+102.09) cents per million BTU to 1,975.14 cents per million BTU. The composite cost of distributed generation increased (+0.081) cents per kWh to 24.621 cents per kWh. The composite cost of purchased energy increased (+0.594) cents per kWh to 14.577 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 October 1, 2023.

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 FACTOREFFECTIVE DATES

	<u>9/01/23</u>	<u>10/01/23</u>	<u>Change</u>
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Composite Cost

Generation, ¢/mmbtu	1,873.05	1,975.14	102.09
Dispersed Generation Energy, ¢/kWh	24.540	24.621	0.081
Purchased Energy, ¢/kWh	13.983	14.577	0.594

Residential Schedule "R"

Energy Cost Recovery - ¢/kWh	20.147	21.429	1.282
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Others - "G,J,P,F"

Energy Cost Recovery - ¢/kWh	20.147	21.429	1.282
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Residential Customer with:

500 KWH Consumption - \$/Bill	\$216.03	\$222.45	\$6.42
600 KWH Consumption - \$/Bill	\$258.64	\$266.36	\$7.72

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

ENERGY COST RECOVERY (ECR) FILING - October 1, 2023 (Page 1 of 2)

Line		
1	Effective Date	October 1, 2023
2	Supercedes Factors of	September 1, 2023

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT					
FUEL PRICES, ¢/mmbtu					
3					
4	Hill Industrial		1,644.02		
5	Puna Industrial		1,668.58		
6	Keahole Diesel		2,337.17		
6a	Keahole ULSD		2,423.98		
7	Waimea ULSD Diesel		2,427.19		
8	Hilo Diesel		2,289.23		
8a	Hilo (Kanoelehua) ULSD Diesel ¹		2,381.08		
9	Puna Diesel		2,296.91		
10	Wind		0.00		
11	Hydro		0.00		
BTU MIX, %					
12					
13	Hill Industrial		37.691		
14	Puna Industrial		6.358		
15	Keahole Diesel		46.957		
15a	Keahole ULSD		0.054		
16	Waimea ULSD Diesel		0.265		
17	Hilo Diesel		0.065		
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.014		
18	Puna Diesel		6.201		
19	Wind		0.000		
20	Hydro		2.397		
			100.00000		
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		1,975.14		
22	% Input to System kWh Mix		49.319		
EFFICIENCY FACTOR, mmbtu/kWh					
	(A)	(B)	(C)	(D)	
			Percent of	Weighted	
	Fuel Type	Eff Factor	Centrl Stn + Wind/Hydro	Eff Factor	
23	Industrial	0.014683	44.048	0.006468	
24	Diesel	0.011226	53.555	0.006012	
25	Other	0.012514	2.397	0.000300	
			100.0000		
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0127800	
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			12.44924	
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)			12.44924	
33	Revenue Tax Req Multiplier			1.0975	
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			13.66304	
				DG ENERGY COMPONENT	
				35	COMPOSITE COST OF DG
					ENERGY, ¢/kWh
					24.621
				36	% Input to System kWh Mix
					0.133
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)
					0.03275
				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)
					0.03275
				42	Loss Factor
					1.062
				43	Revenue Tax Req Multiplier
					1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)
					0.03817
				SUMMARY OF	
				TOTAL GENERATION FACTOR, ¢/kWh	
				45	Cntrl Stn+Wind/Hydro (line 34)
					13.66304
				46	DG (line 44)
					0.03817
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)
					13.70121

¹ Hilo ULSD same location as Kanoelehua ULSD

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR October 1, 2023

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	103.5734	103.5734
Land Transportation Cost - \$/BBL	--	1.5473
Industrial Costs For Filing - \$/BBL	103.5734	105.1207
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,644.02	1,668.58

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	132.8583	132.8583	132.8583
Land Transportation Cost - \$/BBL	4.0999	1.7407	1.2904
Diesel Costs For Filing - \$/BBL	136.9582	134.5990	134.1487
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	2,337.17	2,296.91	2,289.23

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	135.0527	135.0527	135.0527	135.0527
Land Transportation Cost - \$/BBL	3.8412	4.0253	1.3829	-
ULSD Costs For Filing - \$/BBL	138.8939	139.0780	136.4356	135.0527
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	2,423.98	2,427.19	2,381.08	2,356.94

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	239.7368
\$/BBI Inv Cost:	135.0527
Fuel \$ (Prod Sim Consumption x Unit Cost)	32,377.10
Net kWh (from Prod Sim)	131,500
cents/kWh:	24.621

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 08/31/2023	0	0.00	40,699	4,102,305.69			
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	(22,072)	(2,177,487.96)			
Actual	0	0.00	18,150	1,843,096.59			
Consumed: Estimate	0	0.00	18,761	1,910,909.21			
Actual	0	0.00	(19,389)	(2,027,616.08)			
Balance Per G/L 08/31/2023	<u>0</u>	<u>0.00</u>	<u>36,149</u>	<u>3,651,207.45</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	30,877	3,144,706.53			
Consumed	<u>0</u>	<u>0.00</u>	<u>(26,880)</u>	<u>(2,695,888.94)</u>	106.5901	0.0000	106.5901
Balance @ 09/30/2023	0	0.00	#####	4,100,025.04			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 09/30/2023	<u>0</u>	<u>0.00</u>	<u>40,146</u>	<u>4,100,025.04</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(4,100,025.04)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	4,158,057.62			
Total @ 10/01/2023 Avg Price	<u>0</u>	<u>0.00</u>	<u>40,146</u>	<u>4,158,057.62</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 102.1279

Weighted Avg Cost/BBL @ Avg Cost 103.5734

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 08/31/2023	9,822	1,007,663.15	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	(15,598.10)	0.00			
Balance Per G/L 08/31/2023	9,822	992,065.05	15,197.79			
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	0	0	0.00			
Consumed	0	0.00	0.00	100.2935	1.5473	101.8408
Balance @ 09/30/2023	9,822	992,065.05	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	9,822	992,065.05	15,197.79		1.5473	
Reverse Fuel Balance	xxxxxxxxxxxx	(992,065.05)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	1,017,297.91	xxxxxxxxxxxx			
Total @ 10/01/2023 Avg Price	9,822	1,017,297.91	15,197.79			

Weighted Avg Cost/BBL by Location

101.0044

1.5473

Weighted Avg Cost/BBL @ Avg Cost

103.5734

1.5473

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 08/31/2023	30,373.9	1,275,704.0	3,602,158.8	128,817.9			
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		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate	(36,634.4)	(1,538,645.0)	(4,458,792.9)	(163,887.7)			
Actual	38,744.5	1,627,270.0	4,644,701.1	171,709.98			
Consumed: Estimate	45,950.2	1,929,908.0	5,369,484.7	142,597.34			
Actual	(48,815.5)	(2,050,251.0)	(5,783,050.9)	(169,830.4)	118.4675		
Balance Per G/L 08/31/2023	29,618.7	1,243,986	3,374,500.82	109,407.15	113.9314		
Purchases	xxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	48,447.9	2,034,812.0	6,271,903.2	216,736.5	129.4566		
Consumed	(43,047.4)	(1,807,991.0)	(5,062,437.1)	(182,567.10)	117.6014	4.2411	121.8425
Balance @ 09/30/2023	35,019.2	1,470,807	4,583,966.95	143,576.59296	130.8986		
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	35,019.2	1,470,807	4,583,966.95	143,576.59	130.8986		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxxxxxx	(4,583,967.0)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxxxxxx	4,652,592.5	xxxxxxxxxxxxxxx			
Total @ 10/01/2023 Avg Price	35,019.2	1,470,807	4,652,592.49	143,576.59	132.8583		

Weighted Avg Cost/BBL by Location 130.8986 4.0999

Weighted Avg Cost/BBL @ Avg Cost 132.8583 4.0999

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 08/31/2023	7,195.9	302,229.0	934,661.4	12,525.9			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers in: Estimate	(20,212.9)	(848,942.0)	(2,468,178.6)	(35,184.6)			
Actual	16,905.3	710,022.0	2,024,749.6	28,836.9			
Consumed: Estimate	16,921.2	710,689.0	1,977,313.8	29,454.7			
Actual	(18,198.9)	(764,353.0)	(2,171,117.6)	(31,088.7)			
Balance Per G/L 08/31/2023	2,610.6	109,645	297,428.70	4,544.26			
Purchases	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer in	18,442.0	774,566.0	2,493,472.5	32,102.1	135.2058		
Consumed	(11,397.2)	(478,682)	(1,340,326.1)	(19,839.09)	117.6014	1.7407	119.3421
Balance @ 09/30/2023	9,655.5	405,529	#####	16,807.24	150.2338		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 09/30/2023	9,655.5	405,529	#####	16,807.24	150.2338		
Reverse Fuel Balance	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	#####	XXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	#####	XXXXXXXXXXXXXX			
Total @ 10/01/2023 Avg Price	9,655.5	405,529	#####	16,807.24	132.8583		

Weighted Avg Cost/BBL by Location

150.2338 1.7407

Weighted Avg Cost/BBL @ Avg Cost

132.8583 1.7407

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 08/31/2023	1460.5	61,339	179,521	2,422			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	-2073.0	-87067.0	-255714.0	-3185.4			
Actual	2821.1	118485.0	344692.6	4333.6			
Consumed: Estimate	2061.4	86580.0	240887.1	3148.2			
Actual	-2759.9	-115914.0	-337342.4	-4665.6			
Balance Per G/L 08/31/2023	1510.1	63,423	172,044.52	2,052.59	113.9314		
Purchases		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx		
Transfer out		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx		
Transfer in	1507.7	63322.0	205451.8	2316.7	0.0000		
Consumed	-1291.8	-54255.0	-151915.9	-2142.1	117.6014	1.6583	119.2597
Balance @ 09/30/2023	1,726.0	72,490	225,580.49	2227.14715	130.6991		
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	1,726.0	72,490	225,580.49	2,227.15	130.6991		
Reverse Fuel Balance		xxxxxxxxxxxx	xxxxxxxxxxxx -225,580.49	xxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxx	xxxxxxxxxxxx 229,307.06	xxxxxxxxxxxx			
Total @ 10/01/2023 Avg Price	1,726.0	72,490	229,307.06	2,227.15	132.8583		

Weighted Avg Cost/BBL by Location

130.6991 1.2904

Weighted Avg Cost/BBL @ Avg Cost

132.8583 1.2904

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 08/31/2023	2,647.2	111,182	356,628.93	8,516.95			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(566.9)	(23,808)	(69,729.66)	(2,535.89)			
Actual	376.9	15,828	46,357.57	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		513	0.00	54.64			
Actual		(521)	0.00	1,685.91			
Consumed: Estimate	154.6	6,492	21,265.02	452.66			
Actual	(453.6)	(19,051)	(66,502.97)	(203.02)	146.6130		
Balance Per G/L 08/31/2023	2,158.0	90,635	288,018.89	7,971.25	133.4671		
Purchases	188.3	7,908	26,579.23	842.31	0.0000		
Estimated Purchases	190.0	7,980	26,821.23	849.98			
Transfer in	1.8	74	0.00	7.88	0.00		
Consumed	(124.6)	(5,234)	(16,774.55)	(400.94)	134.6067	3.2174	137.8240
Balance @ 09/30/2023	2,413.4	101,363	324,644.79	#####	134.5173		
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	2,413.4	101,363	324,644.79	9,270.49	134.5173		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(324,644.79)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	325,936.74	xxxxxxxxxxxx			
Total @ 10/01/2023 Avg Price	2,413.4	101,363	325,936.74	9,270.49	135.0527		

Weighted Avg Cost/BBL by Location

134.5173 3.8412

Weighted Avg Cost/BBL @ Avg Cost

135.0527 3.8412

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 08/31/2023	815.9	34,268.0	108,894.8	3,294.15			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(23,381.40)	(707.75)			
Actual		15,828.0	46,357.6	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(1.6)	(68)	0.00	0.00			
Actual	1.3	54	0.00	1,403.79			
Consumed: Estimate	228.1	9,582	31,386.53	749.51			
Actual	(472.9)	(19,860)	(62,127.55)	(1,553.46)			
Balance Per G/L 08/31/2023	757.7	31,824	101,129.95	3,186.24	133.4671		
ULSD Purchases	188.4	7,912	26,592.68	701.72	141.1644		
Estimated Purchases	190.0	7,980	26,821.23	707.75			
Transfer in	xxxxxxxxxxxx	196	0.00	0.00	#DIV/0!		
Consumed	(311.4)	(13,080)	(41,920.36)	(1,257.37)	134.6067	4.0374	138.6441
Balance @ 09/30/2023	829.3	34,832	112,623.50	3338.33860	135.8000		
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	829.3	34,832	112,623.50	3,338.34	135.8000		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(112,623.50)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	112,003.67	xxxxxxxxxxxx			
Total @ 10/01/2023 Avg Price	829.3	34,832	112,003.67	3,338.34	135.0527		

Weighted Avg Cost/BBL by Location

135.8000 4.0253

Weighted Avg Cost/BBL @ Avg Cost

135.0527 4.0253

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 08/31/2023	1,233.4	51,804.0	166,372.0	2071.9
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(190.0)	(7,980)	(23,381.40)	(291.95)
Actual	376.6	15,819	46,331.20	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		0	0.00	0.00
Actual		0	0.00	578.75
Consumed: Estimate	234.9	9,866	32,316.80	323.98
Actual	(572.4)	(24,039)	(77,144.58)	(1,211.10)
Balance Per G/L 08/31/2023	1,082.6	45,470	144,494.06	1,471.56
ULSD Purchases	377	15,816	53,158.47	578.64
Estimated Purchases	0	-	-	-
Transfer in	0	16	0.00	0.59
Consumed	(108.8)	(4,568)	(14,640.08)	(182.70)
Balance @ 09/30/2023	1,350.8	56,734	183,012.45	1,868.09
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	1,350.8	56,734	183,012.45	1,868.09
Reverse Fuel Balance	x	x	(183,012.45)	x
Fuel Balance @ Avg Price	x	x	182,430.42	x
Total @ 10/01/2023 Avg Price	1,350.8	56,734	182,430.42	1,868.09

Weighted Avg Cost/BBL by Location

135.4835 1.3829

Weighted Avg Cost/BBL @ Avg Cost

135.0527 1.3829

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
October 2023

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 08/31/2023	115.0	4,829	15,764.21	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	7.6	321	1,051.46	
Actual	(6.8)	(285)	(1,355.72)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 08/31/2023	115.83	4,865	15,459.95	133.4672
Purchases	41.8	1,757	5,905.40	141.1649
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(40.5)	(1,700)	(5,448.37)	134.6067
Balance @ 09/30/2023	117.2	4,922	15,916.98	135.8215
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 09/30/2023	117.2	4,922	15,916.98	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(15,916.98)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	15,826.89	xxxx
Total @ 10/01/2023 Avg Price	117.2	4,922	15,826.89	135.0527

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR October 1, 2023

		October 1, 2023 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	20.023	6.560
PGV (22 MW)	- off peak	20.327	5.430
WAILUKU HYDRO	- on peak	20.023	7.240
	off peak	20.327	5.970
Other: (<100 KW)	Sch Q Rate	19.730	
		October 1, 2023 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		21.275	
PGV Addtl 5 MW	- on peak	13.850	0.0000
	- off peak	13.850	0.0000
PGV Addtl 8 MW	- on peak	7.040	0.0000
	- off peak	7.040	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
October 1, 2023

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$2,185,400)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$728,467)
3	Revenue Tax Divisor	0.91115
	Total (Line 2 / Line 3)	(\$799,502)
5	Estimated MWh Sales (October 1, 2023)	92,633 mwh
6	Adjustment (Line 4 / Line 5)	(0.863) ¢/kwh

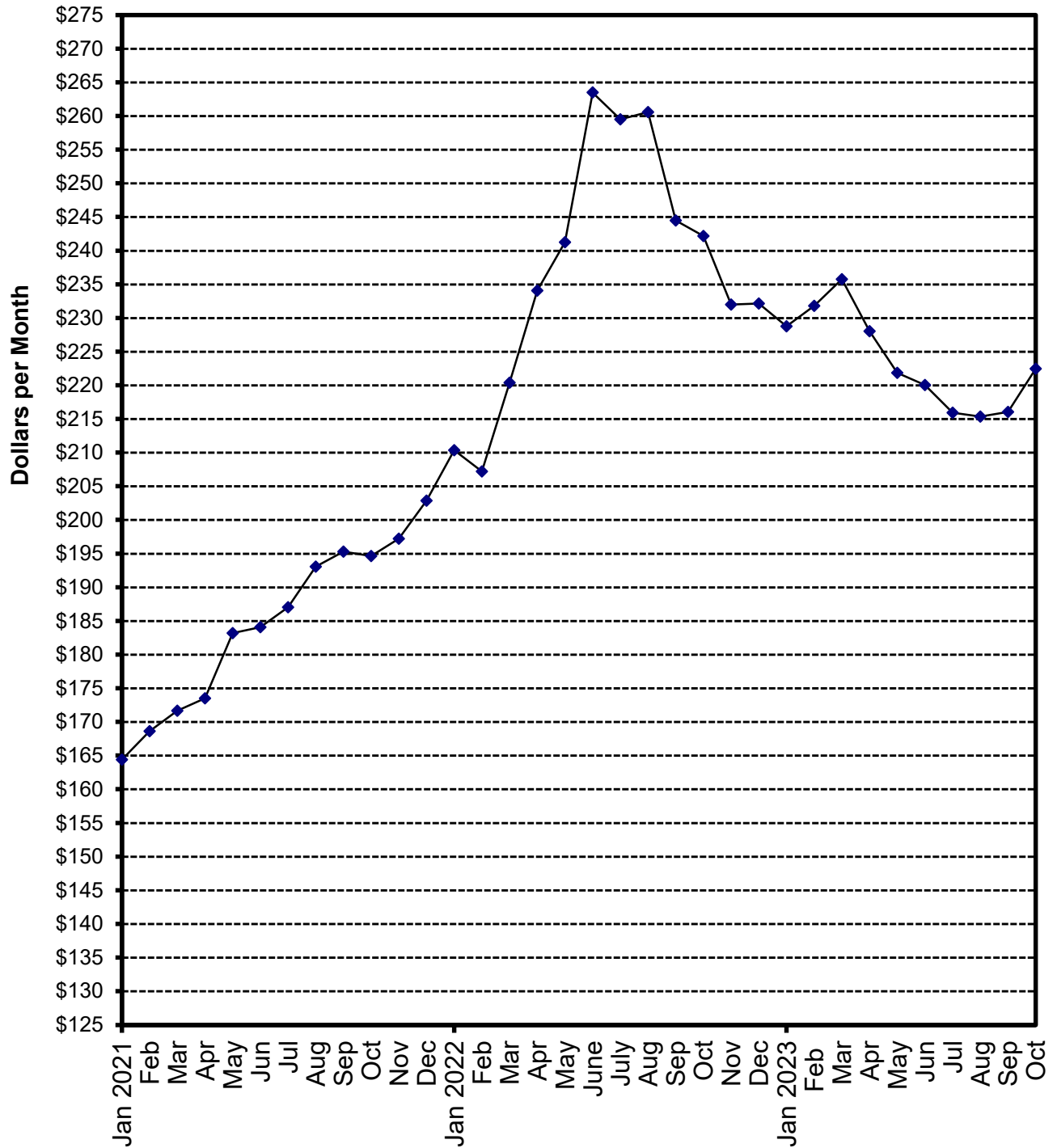
HAWAII ELECTRIC LIGHT COMPANY, INC.
2023 Cumulative Reconciliation Balance

<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)	(134,153)	136,230
April					(124,767)	(131,121)	5,109
May	(707,400)	(1)	(23,941)	(683,459)	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	790,896	172,873
August	(1,068,900)	[2]	134,637	(1,203,537)	356,300	361,221	(669,443)
September					356,300	365,659	(303,784)
October					356,300	370,642	66,858
November	492,400	[3]	17,109	475,291	(164,133)	(159,923)	382,226
December					(164,133)	(166,766)	215,460
January 23					(164,133)	(156,998)	58,462
February	219,500	[4]	15,919	203,581	(73,167)	(73,626)	188,417
March					(73,167)	(70,566)	117,851
April					(73,167)	(72,408)	45,443
May	1,350,400	[1]	9,277	1,341,123	(450,133)	(438,904)	947,662
June					(450,133)	(433,378)	514,284
July					(450,133)	(427,819)	86,465
August	2,185,400	[2]	28,744	2,156,656	(728,467)	(698,531)	1,544,590
September					(728,467)		
October					(728,467)		

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 CENTS / KWH</u>		<u>RESIDENTIAL BILL (\$)</u>	
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>@ 600 KWH</u>	
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	
September 1, 2022	27.322	244.46	292.81	
October 1, 2022	26.850	242.17	290.06	
November 1, 2022	24.879	231.99	277.85	
December 1, 2022	24.880	232.14	278.03	
January 1, 2023	24.245	228.78	273.99	
February 1, 2023	24.918	231.81	277.63	
March 1, 2023	25.651	235.76	282.37	
April 1, 2023	24.141	228.04	273.11	
May 1, 2023	21.951	221.83	265.65	
June 1, 2023	21.277	220.03	263.44	
July 1, 2023	20.355	215.94	258.54	
August 1, 2023	20.002	215.35	257.83	
September 2023	20.147	216.03	258.64	
October 2023	21.429	222.45	266.36	

**HAWAII ELECTRIC LIGHT COMPANY, INC.
RESIDENTIAL SURCHARGE DATA**

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
11/1/2020	Final Rates (TY2019), Docket No. 2018-0368, Order No. 37395	
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
6/1/2022-12/31/2022	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
7/1/2022-6/30/2023	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.6488 CENTS/KWH
8/1/2022-8/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2981 CENTS/KWH
8/1/2022-10/31/2022	RESIDENTIAL DSM ADJUSTMENT	0.0035 CENTS/KWH
9/1/2022-9/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2638 CENTS/KWH
10/1/2022-10/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2771 CENTS/KWH
11/1/2022-11/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2180 CENTS/KWH
11/1/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0017 CENTS/KWH
12/1/2022-12/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2472 CENTS/KWH
1/1/2023-1/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2701 CENTS/KWH
1/1/2023-06/30/2023	GREEN INFRASTRUCTURE FEE	1.23 DOLLARS/MONTH
1/1/2023-5/31/2023	RBA RATE ADJUSTMENT	1.3006 CENTS/KWH
2/1/2023-2/28/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2018 CENTS/KWH
2/1/2023-4/30/2023	RESIDENTIAL DSM ADJUSTMENT	0.0008 CENTS/KWH
3/1/2023-3/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2576 CENTS/KWH
4/1/2023-4/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2245 CENTS/KWH
5/1/2023-5/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.1660 CENTS/KWH
5/1/2023	RESIDENTIAL DSM ADJUSTMENT	0.0053 CENTS/KWH
6/1/2023-6/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.1716 CENTS/KWH
6/1/2023	RBA RATE ADJUSTMENT	7.62% Percent of All Rate Schedule Charges, excluding ECRC and RBA
7/1/2023-7/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.2056 CENTS/KWH
7/1/2023-12/31/2023	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
7/1/2023	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7195 CENTS/KWH
8/1/2023-8/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.4133 CENTS/KWH
8/1/2023	RESIDENTIAL DSM ADJUSTMENT	0.0155 CENTS/KWH
9/1/2023-9/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.4057 CENTS/KWH
10/1/2023-10/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.4082 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		
	9/1/2023	10/1/2023	9/1/2023	10/1/2023	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	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	\$33.52	\$33.52	\$0.00
Customer Charge	\$	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%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	% except ECRC	7.6200%	\$8.16	\$8.16	\$0.00
Purchased Power Adj. Clause	¢/kwh	3.4057	\$17.03	\$17.04	\$0.01
PBF Surcharge	¢/kwh	0.7195	\$3.60	\$3.60	\$0.00
DSM Adjustment	¢/kwh	0.0155	\$0.08	\$0.08	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	20.147	\$100.74	\$107.15	\$6.41
Green Infrastructure Fee	\$	1.18	\$1.18	\$1.18	\$0.00
Avg Residential Bill at 500 kwh			\$216.03	\$222.45	
			Increase (Decrease -)		\$6.42
			% Change		2.97%

	Rate		Charge (\$) at 600 Kwh		
	9/1/2023	10/1/2023	9/1/2023	10/1/2023	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	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	\$50.27	\$50.27	\$0.00
Customer Charge	\$	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%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	% except ECRC	7.6200%	\$9.75	\$9.76	\$0.01
Purchased Power Adj. Clause	¢/kwh	3.4057	\$20.43	\$20.45	\$0.02
PBF Surcharge	¢/kwh	0.7195	\$4.32	\$4.32	\$0.00
DSM Adjustment	¢/kwh	0.0155	\$0.09	\$0.09	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	20.147	\$120.88	\$128.57	\$7.69
Green Infrastructure Fee	\$	1.18	\$1.18	\$1.18	\$0.00
Avg Residential Bill at 600 kwh			\$258.64	\$266.36	
			Increase (Decrease -)		\$7.72
			% Change		2.98%

Note: the RBA Rate Adjustment recovers the RBA Revenue Adjustment effective June 1, 2023, and is implemented as a percentage of all rate schedule charges, including all charges for Surcharges, Clauses, and Fees, but excluding charges related to the ECRC and the RBA Rate Adjustment.

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Aloha Christine Mounthongdy,

Your electronic filing to the Hawaii Public Utilities Commission has been **FILED**. You will receive an email when the filing is public.

Please note that filings submitted after 4:30 p.m. Hawaii Standard Time will be deemed "FILED" the next business day. 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.

E-Filing Confirmation Number: F-295472

Account: Hawaii Electric Light Company, Inc.

Date and Time Submitted: 9/27/2023, 10:49 AM

Case or Docket Reference Number: PC-182599

Case or Docket Number (if applicable): Pending

Filing Category/Type: Reports / Energy Cost Adjustment Factors

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