



December 28, 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 January 2023

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") Energy Cost Recovery factor for January 2023 is 24.245 cents per kilowatt-hour ("kWh"), a decrease of 0.635 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$228.78, a decrease of (-\$3.36) compared to rates effective December 1, 2022. The decrease in the residential bill is due to the decrease in the Energy Cost Recovery Factor (-\$3.17) and the decrease in the RBA Adjustment (-\$0.35), partially offset by the increase in the Purchased Power Adjustment Clause rate (+\$0.11) and the increase in the Green Infrastructure Fee (+\$0.05).

Hawai'i Electric Light's fuel composite cost of generation decreased 85.69 cents per million BTU to 1,920.26 cents per million BTU. The composite cost of distributed generation increased 0.486 cents per kWh to 28.025 cents per kWh. The composite cost of purchased energy decreased 1.745 cents per kWh to 17.535 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 January 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 FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>12/01/22</u>	<u>1/01/23</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	2,005.95	1,920.26	(85.69)
Dispersed Generation Energy, ¢/kWh	27.539	28.025	0.486
Purchased Energy, ¢/kWh	19.280	17.535	(1.745)
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	24.880	24.245	(0.635)
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	24.880	24.245	(0.635)
Residential Customer with:			
500 KWH Consumption - \$/Bill	232.14	\$228.78	(\$3.36)
600 KWH Consumption - \$/Bill	278.03	\$273.99	(\$4.04)

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

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

Line		
1	Effective Date	January 1, 2023
2	Supercedes Factors of	December 1, 2022

**GENERATION COMPONENT**

<b>CENTRAL STATION WITH WIND/HYDRO COMPONENT</b>				
FUEL PRICES, ¢/mmbtu				
3				
4	Hill Industrial	1,364.23		
5	Puna Industrial	1,388.80		
6	Keahole Diesel	2,587.39		
6a	Keahole ULSD	2,745.11		
7	Waimea ULSD Diesel	2,735.39		
8	Hilo Diesel	2,546.98		
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>	2,705.50		
9	Puna Diesel	2,549.68		
10	Wind	0.00		
11	Hydro	0.00		
	BTU MIX, %			
12				
13	Hill Industrial	38.294		
14	Puna Industrial	12.003		
15	Keahole Diesel	41.101		
15a	Keahole ULSD	0.285		
16	Waimea ULSD Diesel	0.301		
17	Hilo Diesel	0.177		
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>	0.266		
18	Puna Diesel	5.489		
19	Wind	0.000		
20	Hydro	2.085		
		<b>100.0000</b>		
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu	1,920.26		
22	% Input to System kWh Mix	57.639		
	EFFICIENCY FACTOR, mmbtu/kWh			
	(A)	(B)	(C) (D)	
			Percent of	
		Eff Factor	Centri Stn +	Weighted
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Wind/Hydro</u>	<u>Eff Factor</u>
23	Industrial	0.014970	50.296	0.007529
24	Diesel	0.010915	47.619	0.005198
25	Other	0.012426	2.085	0.000259
	(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)]			0.0129860
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			14.37315
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)			14.37315
33	Revenue Tax Req Multiplier			1.0975
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			15.77453

<b>DG ENERGY COMPONENT</b>		
35	COMPOSITE COST OF DG ENERGY, ¢/kWh	28.025
36	% Input to System kWh Mix	0.097
37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.02718
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)	0.02718
42	Loss Factor	1.062
43	Revenue Tax Req Multiplier	1.0975
44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.03168

<b>SUMMARY OF</b>		
	TOTAL GENERATION FACTOR, ¢/kWh	
45	Cntrl Stn+Wind/Hydro (line 34)	15.77453
46	DG (line 44)	0.03168
47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	15.80621

<sup>1</sup> Hilo ULSD same location as Kanoelehua ULSD

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

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

Line	<b>PURCHASED ENERGY COMPONENT</b>	Line	<b>Calculation of Monthly Fossil Fuel Cost Risk Sharing Component</b>
48	PURCHASED ENERGY PRICE, ¢/kWh -- Fossil HEP 21.316	94	<b>Baseline IFO</b> IFO \$, baseline month \$4,545,615
49	PURCHASED ENERGY PRICE, ¢/kWh -- Renewable	95	IFO mmbtu, baseline 331,774
50	PGV On Peak 19.839	96	Baseline IFO, ¢/mmbtu 1370.09
51	PGV Off Peak 20.181		<b>Baseline Diesel</b>
52	PGV - Add'l 5 MW On Peak 13.850	97	Diesel \$, baseline month \$8,121,253
53	PGV - Add'l 5 MW Off Peak 13.850	98	Diesel mmbtu, baseline 314,116
54	PGV - Add'l 8 MW On Peak 7.040	99	Baseline Diesel, ¢/mmbtu 2,585.43
55	PGV - Add'l 8 MW Off Peak 7.040		<b>Month IFO</b>
56	Wailuku Hydro On Peak 19.839	100	IFO mmbtu, budget 331,774
57	Wailuku Hydro Off Peak 20.181	101	IFO Cost, ¢/mmbtu 1,370.09
58	Hawi Renewable Dev. On Peak 19.839	102	IFO ECRC Fossil Cost \$4,545,615
59	Hawi Renewable Dev. Off Peak 20.181	103	IFO Base ECRC Recovery Target \$4,545,615
60	Tawhiri (Pakini Nui) On Peak 16.380	104	IFO differential \$0
61	Tawhiri (Pakini Nui) Off Peak 15.940		<b>Month Diesel</b>
62	HEP Biodiesel 21.316	105	Diesel mmbtu, budget 314,116
63	Small Hydro (>100 KW) On Peak 19.839	106	Diesel Cost, ¢/mmbtu 2,585.43
63a	Small Hydro (>100 KW) Off Peak 20.181	107	Diesel ECRC Fossil Cost \$8,121,253
64	CBRE 15.000	108	Diesel Base ECRC Recovery Target \$8,121,253
65	Sch Q Hydro (<100 KW) 19.560	109	Diesel differential \$0
65	FIT 23.800	110	Total Fossil \$0
66	PURCHASED ENERGY KWH MIX, %, HEP, Fossil 5.005	111	2% of above \$0
67	PURCHASED ENERGY KWH MIX, %, Renewable	112	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year \$0
68	PGV On Peak 26.426	113	Maximum Annual Cap (bi-directional) \$600,000
69	PGV Off Peak 16.611	114	Number of Days in year from implementation 365
70	PGV - Add'l On Peak 5.285	115	Fossil Risk % Proration (based on 365 day year) 100.00%
71	PGV - Add'l Off Peak 0.000	116	Maximum Annual Cap (bi-directional) prorated \$600,000
72	PGV - Add'l 8 MW On Peak 3.177	117	Applicable Monthly Fossil Fuel Cost Risk Sharing \$0
73	PGV - Add'l 8 MW Off Peak 8.318	118	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$0
74	Wailuku Hydro On Peak 3.798	119	Fossil Cost Risk Sharing before taxes \$0
75	Wailuku Hydro Off Peak 2.613	120	Revenue Tax Adjustment 1.097514
76	Hawi Renewable Dev. On Peak 4.579	121	Fossil Cost Risk Sharing w/revenue tax \$0
77	Hawi Renewable Dev. Off Peak 2.533	122	Forecasted Month MWh Sales 90,013
78	Tawhiri (Pakini Nui) On Peak 11.489	123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh 0.0000
79	Tawhiri (Pakini Nui) Off Peak 7.825		<b>Derivation of Non-Adjustable Component:</b>
80	HEP Biodiesel 1.251	93A	Ocean Cargo Insurance Exp, \$000 \$13.1
81	Small Hydro (>100 KW) On Peak 0.000		HELCO-603, page 1, line 4
81a	Small Hydro (>100 KW) Off Peak 0.000	93B	Revenue Tax Adjustment 1.097514
82	CBRE 0.246	93C	Non-Adj Revenues, \$000 \$14.4
83	Sch Q Hydro (<100 KW) 0.054	93D	2019 TY Sales, MWh 1,061,718
83	FIT 0.790	93E	HELCO-301 0.00135
	<b>100.000</b>		Non-Adj Revenues, ¢/kWh
83a	Comp. Cost Purchased Energy Fossil, ¢/kWh 21.3160		
83b	Comp. Cost Purchased Energy Renewable, ¢/kWh 17.3356		
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh 17.535		
85	% Input to System kWh Mix 42.264		
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 7.41099		
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)) 7.41099		
91	Loss Factor 1.062		
92	Revenue Tax * 1.0975		
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92)) 8.63784		
		<b>Line</b>	<b>SYSTEM COMPOSITE</b>
		124	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) 24.44405
		125	Fossil Fuel Cost Risk Sharing Component (Line 123) 0.000
		126	Non-Adjustable Component (Line 93E) 0.00135
		127	ECA Reconciliation Adjustment (0.200)
		128	ECA FACTOR, ¢/kWh (Lines (124 + 125 + 126 + 127)) 24.245

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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	85.9468	85.9468
Land Transportation Cost - \$/BBL	--	1.5473
Industrial Costs For Filing - \$/BBL	85.9468	87.4941
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,364.23	1,388.80

**DIESEL FUEL COSTS:**

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	147.9927	147.9927	147.9927
Land Transportation Cost - \$/BBL	3.6284	1.4183	1.2602
Diesel Costs For Filing - \$/BBL	151.6212	149.4110	149.2530
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	2,587.39	2,549.68	2,546.98

**ULSD FUEL COSTS:**

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	153.7246	153.7246	153.7246	153.7246
Land Transportation Cost - \$/BBL	3.5702	3.0132	1.3004	-
ULSD Costs For Filing - \$/BBL	157.2948	156.7378	155.0250	153.7246
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	2,745.11	2,735.39	2,705.50	2,682.80

**Dispersed Generation, cents per kWh**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	164.0784
\$/BBI Inv Cost:	153.7246
Fuel \$ (Prod Sim Consumption x Unit Cost)	25,222.88
Net kWh (from Prod Sim)	90,000
cents/kWh:	28.025

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
January 2023

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 11/30/2022	0	0.00	23,502	1,842,069.62			
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	(33,786)	(2,814,527.17)			
Actual	0	0.00	32,131	2,733,128.21			
Consumed: Estimate	0	0.00	39,967	3,796,103.35			
Actual	0	0.00	(35,854)	(3,245,901.60)			
Balance Per G/L 11/30/2022	0	0.00	25,960	2,310,872.41			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	28,663	2,385,791.60			
Consumed	0	0.00	(37,654)	(3,243,907.16)	106.5901	0.0000	106.5901
Balance @ 12/31/2022	0	0.00	16,969	1,452,756.85			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 12/31/2022	0	0.00	16,969	1,452,756.85			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(1,452,756.85)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	1,458,430.98			
Total @ 01/01/2023 Avg Price	0	0.00	16,969	1,458,430.98			

Weighted Avg Cost/BBL by Location #DIV/0! 85.6124

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 85.9468

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
January 2023

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 11/30/2022	9,822	934,334.44	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	(60,012.84)	0.00			
Balance Per G/L 11/30/2022	9,822	874,321.60	15,197.79			
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	0	0	0.00			
Consumed	0	0.00	0.00	86.1504	1.5473	87.6977
Balance @ 12/31/2022	9,822	874,321.60	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	874,321.60	15,197.79		1.5473	
Reverse Fuel Balance	xxxxxxxxxxxx	(874,321.60)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	844,169.32	xxxxxxxxxxxx			
Total @ 01/01/2023 Avg Price	9,822	844,169.32	15,197.79			

Weighted Avg Cost/BBL by Location

89.0167

1.5473

Weighted Avg Cost/BBL @ Avg Cost

85.9468

1.5473

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
January 2023

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 11/30/2022	51,434.4	2,160,246.0	7,969,932.7	181,633.1			
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	(29,813.3)	(1,252,160.0)	(4,601,566.9)	(108,675.6)			
Actual	30,598.0	1,285,117.0	4,652,518.5	109,968.40			
Consumed: Estimate	36,099.6	1,516,183.0	5,572,751.7	123,135.15			
Actual	(38,678.5)	(1,624,495.0)	(5,930,362.7)	(129,783.1)	153.3247		
Balance Per G/L 11/30/2022	49,640.3	2,084,891	7,663,273.38	176,277.94	154.3762		
Purchases	xxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	41,541.0	1,744,721.0	6,190,400.0	151,425.2	149.0191		
Consumed	(32,368.2)	(1,359,464.0)	(4,988,579.0)	(114,305.03)	154.1198	3.5314	157.6512
Balance @ 12/31/2022	58,813.0	2,470,148	8,865,094.38	213,398.08	150.7335		
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	58,813.0	2,470,148	8,865,094.38	213,398.08	150.7335		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxxxxxx	(8,865,094.4)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxxxxxx	8,703,904.2	xxxxxxxxxxxxxxx			
Total @ 01/01/2023 Avg Price	58,813.0	2,470,148	8,703,904.15	213,398.08	147.9927		

Weighted Avg Cost/BBL by Location 150.7335 3.6284

Weighted Avg Cost/BBL @ Avg Cost 147.9927 3.6284



**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
January 2023

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 11/30/2022	5,413.1	227,351.0	840,796.4	7,677.4			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(16,911.9)	(710,298.0)	(2,614,199.5)	(23,986.1)			
Actual	15,289.0	642,136.0	2,316,293.3	21,390.0			
Consumed: Estimate	14,650.2	615,308.0	2,261,573.1	20,778.4			
Actual	(14,654.6)	(615,495.0)	(2,220,031.8)	(20,490.3)			
Balance Per G/L 11/30/2022	3,785.8	159,002	584,431.41	5,369.35			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	9,310.7	391,048.0	1,374,343.3	13,205.3	147.6095		
Consumed	(6,711.0)	(281,863)	(1,034,301.6)	(9,518.25)	154.1198	1.4183	155.5381
Balance @ 12/31/2022	6,385.4	268,187	924,473.03	9,056.42	144.7791		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 12/31/2022	6,385.4	268,187	924,473.03	9,056.42	144.7791		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	(924,473.03)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	944,993.56	XXXXXXXXXXXXXXXXXX			
Total @ 01/01/2023 Avg Price	6,385.4	268,187	944,993.56	9,056.42	147.9927		

Weighted Avg Cost/BBL by Location

144.7791 1.4183

Weighted Avg Cost/BBL @ Avg Cost

147.9927 1.4183

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCL LT	LT	TOTAL
Balance at 11/30/2022	2454.6	103,093	382,196	3,102			
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	-2267.8	-95249.0	-352877.0	-2839.3			
Actual	1131.0	47502.0	173705.5	1416.0			
Consumed: Estimate	731.6	30727.0	112937.5	928.5			
Actual	-1401.8	-58875.0	-215992.4	-1761.4			
Balance Per G/L 11/30/2022	647.6	27,198	99,969.59	846.18	154.3762		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	3213.2	134955.0	477015.9	4022.9	#DIV/0!		
Consumed	-983.2	-41296.0	-151536.5	-1242.7	154.1198	1.2639	155.3837
Balance @ 12/31/2022	2,877.5	120,857	425,449.00	3,626.41	147.8512		
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	2,877.5	120,857	425,449.00	3,626.41	147.8512		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -425,449.00	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 425,856.16	XXXXXXXXXXXX			
Total @ 01/01/2023 Avg Price	2,877.5	120,857	425,856.16	3,626.41	147.9927		

Weighted Avg Cost/BBL by Location

147.8512 1.2602

Weighted Avg Cost/BBL @ Avg Cost

147.9927 1.2602

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
January 2023

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 11/30/2022	2,161.4	90,779	327,780.81	7,621.76			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(567.5)	(23,836)	(88,827.76)	(2,068.74)			
Actual	755.6	31,737	118,271.82	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		245	0.00	21.26			
Actual		(344)	0.00	2,754.47			
Consumed: Estimate	542.2	22,773	81,414.36	1,702.43			
Actual	(656.5)	(27,574)	(93,104.45)	(2,102.06)	141.8143		
Balance Per G/L 11/30/2022	2,232.9	93,780	345,534.78	7,929.12	154.7501		
Purchases	188.8	7,930	27,686.28	688.25	0.0000		
Estimated Purchases	190.0	7,980	27,860.85	692.59			
Transfer in	(17.4)	(731)	0.00	(63.44)	0.00		
Consumed	(355.3)	(14,922)	(54,514.68)	(1,252.84)	153.4390	3.5263	156.9653
Balance @ 12/31/2022	2,239.0	94,037	346,567.22	7,993.67	154.7883		
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	2,239.0	94,037	346,567.22	7,993.67	154.7883		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(346,567.22)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	344,185.61	xxxxxxxxxxxx			
Total @ 01/01/2023 Avg Price	2,239.0	94,037	344,185.61	7,993.67	153.7246		

Weighted Avg Cost/BBL by Location

154.7883 3.5702

Weighted Avg Cost/BBL @ Avg Cost

153.7246 3.5702

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
January 2023

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 11/30/2022	640.8	26,913.0	101,635.6	2,002.25			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(39,681)	(147,876.16)	(2,916.93)			
Actual		47,561.0	177,242.0	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(2.1)	(88)	0.00	0.00			
Actual	1.6	69	0.00	3,437.19			
Consumed: Estimate	787.0	33,052	118,162.19	2,429.63			
Actual	(862.3)	(36,217)	(132,699.41)	(2,651.65)			
Balance Per G/L 11/30/2022	752.6	31,609	116,464.16	2,300.49	154.7501		
ULSD Purchases	189.0	7,940	27,721.21	573.82	146.6361		
Estimated Purchases	190.0	7,980	27,860.86	576.71			
Transfer in	xxxxxxxxxxxx	181	0.00	0.00	#DIV/0!		
Consumed	(252.3)	(10,595)	(38,706.81)	(788.24)	153.4390	3.1247	156.5637
Balance @ 12/31/2022	883.7	37,115	133,339.42	2,662.77	150.8893		
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	883.7	37,115	133,339.42	2,662.77	150.8893		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(133,339.42)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	135,844.92	xxxxxxxxxxxx			
Total @ 01/01/2023 Avg Price	883.7	37,115	135,844.92	2,662.77	153.7246		

Weighted Avg Cost/BBL by Location

150.8893 3.0132

Weighted Avg Cost/BBL @ Avg Cost

153.7246 3.0132

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 11/30/2022	1,091.7	45,852.0	166,908.0	1413.4
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(568.8)	(23,889)	(89,025.38)	(712.12)
Actual	755.1	31,715	118,189.88	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		14	0.00	0.42
Actual		(14)	0.00	945.41
Consumed: Estimate	655.4	27,527	98,410.10	836.10
Actual	(720.4)	(30,255)	(106,756.03)	(898.04)
Balance Per G/L 11/30/2022	1,213.1	50,950	187,726.56	1,585.14
ULSD Purchases	189	7,930	27,686.28	236.39
Estimated Purchases	0	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(260.7)	(10,951)	(40,007.39)	(337.55)
Balance @ 12/31/2022	1,141.2	47,929	175,405.45	1,483.98
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	1,141.2	47,929	175,405.45	1,483.98
Reverse Fuel Balance	x	x	(175,405.45)	x
Fuel Balance @ Avg Price	x	x	175,425.33	x
Total @ 01/01/2023 Avg Price	1,141.2	47,929	175,425.33	1,483.98

Weighted Avg Cost/BBL by Location

153.7071 1.3004

Weighted Avg Cost/BBL @ Avg Cost

153.7246 1.3004

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
January 2023

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 11/30/2022	106.2	4,462	17,453.53	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	(57.1)	(2,400)	(8,861.91)	
Actual	85.0	3,570	13,304.06	
Consumed: Estimate	57.7	2,422	8,658.74	
Actual	(56.5)	(2,371)	(9,615.26)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 11/30/2022	135.31	5,683	20,939.16	154.7501
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(17.5)	(737)	(2,692.49)	153.4390
Balance @ 12/31/2022	117.8	4,946	18,246.67	154.9454
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 12/31/2022	117.8	4,946	18,246.67	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(18,246.67)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	18,102.90	xxxx
Total @ 01/01/2023 Avg Price	117.8	4,946	18,102.90	153.7246

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

		<u>January 1, 2023</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	19.839	6.560
PGV (22 MW)	- off peak	20.181	5.430
WAILUKU HYDRO	- on peak	19.839	7.240
	off peak	20.181	5.970
Other: (<100 KW)	Sch Q Rate	19.560	

		<u>January 1, 2023</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		21.316	
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**  
January 1, 2023

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$492,400)
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	(\$164,133)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$180,139)
5	Estimated MWh Sales (January 1, 2023)	90,013 mwh
6	Adjustment (Line 4 / Line 5)	(0.200) ¢/kwh



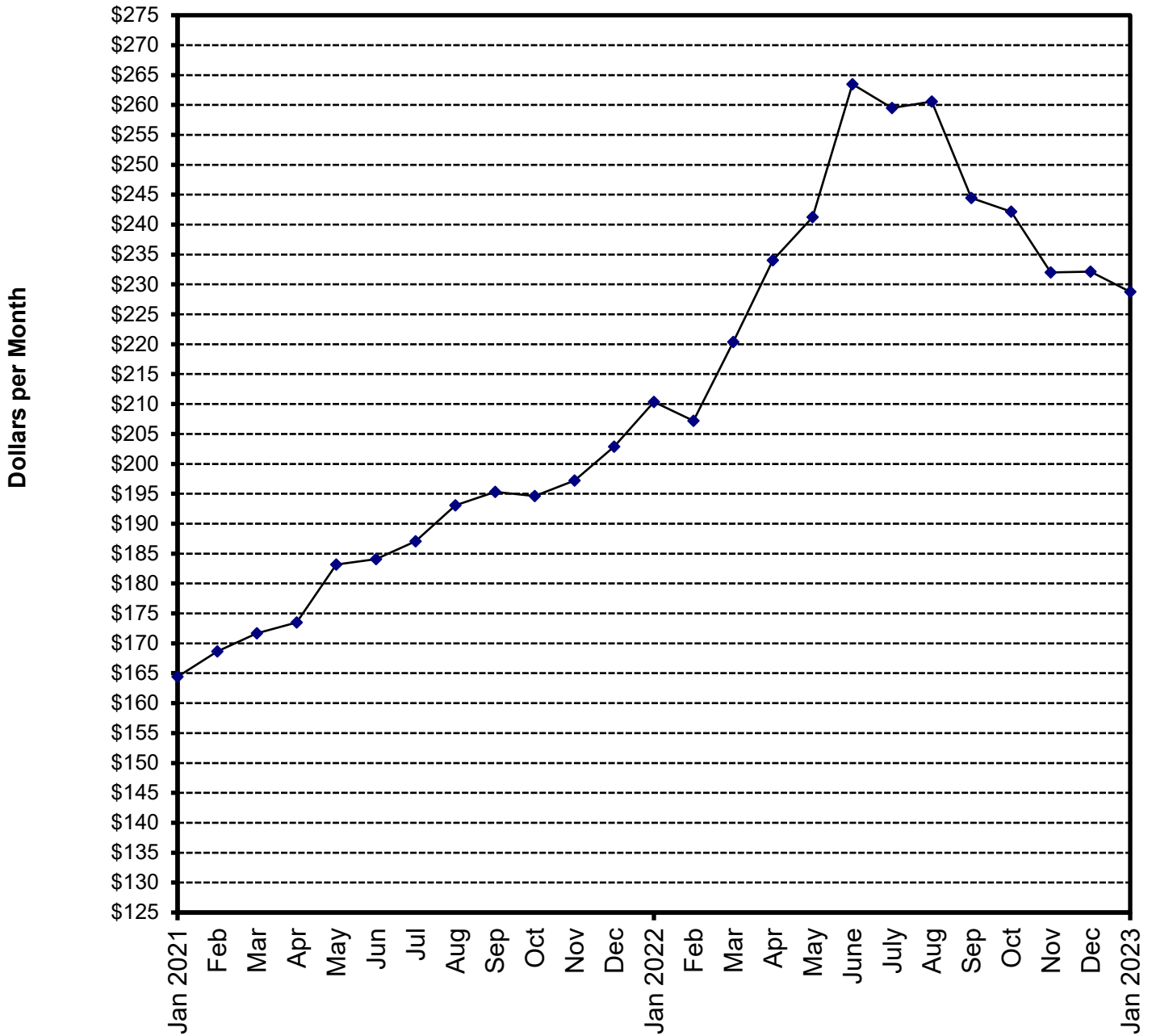
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2022 Cumulative Reconciliation Balance

Month	(1) YTD FOA Reconciliation	Qtr	(2) FOA Rec Adjust Variance	(3) FOA Rec Less Variance	(4) Try to Collect	(5) Actual Collect	(6) Month-end Cumulative Balance
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	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)		
January 23					(164,133)		

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 &amp; COMMERCIAL</u>	<u>RESIDENTIAL BILL (\$) @ 500 KWH</u>	<u>RESIDENTIAL BILL (\$) @ 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
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

**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
<b>11/1/2020</b>	<b>Final Rates (TY2019), Docket No. 2018-0368, Order No. 37395</b>	
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
<b>5/1/2022</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
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
<b>7/1/2022</b>	<b>RESIDENTIAL PBF SURCHARGE ADJUSTMENT</b>	<b>0.6488 CENTS/KWH</b>
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
<b>11/1/2022</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>-0.0017 CENTS/KWH</b>
12/1/2022-12/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2472 CENTS/KWH
<b>1/1/2023-1/31/2023</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.2701 CENTS/KWH</b>
<b>1/1/2023-06/30/2023</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.23 DOLLARS/MONTH</b>
<b>1/1/2023</b>	<b>RBA RATE ADJUSTMENT</b>	<b>1.3006 CENTS/KWH</b>

\*\*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			
	12/01/22	1/01/23	12/01/22	1/01/23	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				\$85.24	\$85.24	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	1.3708	1.3006	\$6.85	\$6.50	-\$0.35
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.2472	2.2701	\$11.24	\$11.35	\$0.11
<b>PBF Surcharge</b>	¢/kwh	0.6488	0.6488	\$3.24	\$3.24	\$0.00
<b>DSM Adjustment</b>	¢/kwh	(0.0017)	(0.0017)	-\$0.01	-\$0.01	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	24.8800	24.2450	\$124.40	\$121.23	-\$3.17
<b>Green Infrastructure Fee</b>	\$	1.18	1.23	\$1.18	\$1.23	\$0.05
<b>Avg Residential Bill at 500 kwh</b>				\$232.14	\$228.78	

Increase (Decrease -)	-\$3.36
% Change	-1.45%

	Rate		Charge (\$) at 600 Kwh			
	12/01/22	1/01/23	12/01/22	1/01/23	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				\$101.99	\$101.99	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	1.3708	1.3006	\$8.22	\$7.80	\$0.42
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.2472	2.2701	\$13.48	\$13.62	\$0.14
<b>PBF Surcharge</b>	¢/kwh	0.6488	0.6488	\$3.89	\$3.89	\$0.00
<b>DSM Adjustment</b>	¢/kwh	(0.0017)	(0.0017)	-\$0.01	-\$0.01	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	24.8800	24.2450	\$149.28	\$145.47	-\$3.81
<b>Green Infrastructure Fee</b>	\$	1.18	1.23	\$1.18	\$1.23	\$0.05
<b>Avg Residential Bill at 600 kwh</b>				\$278.03	\$273.99	

Increase (Decrease -)	-\$4.04
% Change	-1.45%

**From:** [puc@hawaii.gov](mailto:puc@hawaii.gov)  
**To:** [Mounthongdy, Christine](#)  
**Subject:** Hawaii PUC eFiling Confirmation of Filing  
**Date:** Wednesday, December 28, 2022 12:35:22 PM

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