



November 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 December 2022

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") Energy Cost Recovery factor for December 2022 is 24.880 cents per kilowatt-hour ("kWh"), an increase of 0.001 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$232.14, an increase of \$0.15 compared to rates effective November 1, 2022. The increase in the residential bill is due to the increase in the Purchased Power Adjustment Clause rate (+\$0.15).

Hawai'i Electric Light's fuel composite cost of generation decreased 88.35 cents per million BTU to 2,005.95 cents per million BTU. The composite cost of distributed generation increased 0.590 cents per kWh to 27.539 cents per kWh. The composite cost of purchased energy increased 1.219 cents per kWh to 19.280 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 December 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>11/01/22</u>	<u>12/01/22</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	2,094.30	2,005.95	(88.35)
Dispersed Generation Energy, ¢/kWh	26.949	27.539	0.590
Purchased Energy, ¢/kWh	18.061	19.280	1.219
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	24.879	24.880	0.001
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	24.879	24.880	0.001
Residential Customer with:			
500 KWH Consumption - \$/Bill	231.99	\$232.14	\$0.15
600 KWH Consumption - \$/Bill	277.85	\$278.03	\$0.18

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

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

<u>Line</u>		
1	Effective Date	December 1, 2022
2	Supersedes Factors of	November 1, 2022

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		1,367.47			
5	Puna Industrial		1,392.03			
6	Keahole Diesel		2,690.29			
6a	Keahole ULSD		2,739.36			
7	Waimea ULSD Diesel		2,732.35			
8	Hilo Diesel		2,651.60			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		2,700.41			
9	Puna Diesel		2,654.23			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		46.855			
14	Puna Industrial		4.732			
15	Keahole Diesel		47.582			
15a	Keahole ULSD		0.032			
16	Waimea ULSD Diesel		0.000			
17	Hilo Diesel		0.000			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.021			
18	Puna Diesel		0.671			
19	Wind		0.000			
20	Hydro		0.107			
			100.0000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		2,005.95			
22	% Input to System kWh Mix		43.041			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
		Eff Factor	Percent of	Weighted		
	<u>Fuel Type</u>	<u>mmbtu/kWh</u>	<u>Centrl Stn +</u>	<u>Eff Factor</u>		
			<u>Wind/Hydro</u>			
23	Industrial	0.014970	51.586	0.007722		
24	Diesel	0.010915	48.307	0.005273		
25	Other	0.012426	0.107	0.000013		
			100.0000			
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0130080		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			11.23086		
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)			11.23086		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			12.32587		
				DG ENERGY COMPONENT		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	27.539
				36	% Input to System kWh Mix	0.005
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.00138
				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)	0.00138
				42	Loss Factor	1.062
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.00161
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	12.32587
				46	DG (line 44)	0.00161
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	12.32748

¹ Hilo ULSD same location as Kanoelehua ULSD

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

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

Line	<u>PURCHASED ENERGY COMPONENT</u>	Line	<u>Calculation of Monthly Fossil Fuel Cost Risk Sharing Component</u>
	PURCHASED ENERGY PRICE, ¢/kWh -- Fossil		Baseline IFO
48	HEP 25.288	94	IFO \$, baseline month \$2,858,536
	PURCHASED ENERGY PRICE, ¢/kWh -- Renewable	95	IFO mmbtu, baseline 208,648
49	PGV On Peak 21.892	96	Baseline IFO, ¢/mmbtu 1370.03
50	PGV Off Peak 21.655		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 21.892	100	IFO mmbtu, budget 235,770
56	Wailuku Hydro Off Peak 21.655	101	IFO Cost, ¢/mmbtu 1,369.72
57	Hawi Renewable Dev. On Peak 21.892	102	IFO ECRC Fossil Cost \$3,229,397
58	Hawi Renewable Dev. Off Peak 21.655	103	IFO Base ECRC Recovery Target \$3,230,116
59	Tawhiri (Pakini Nui) On Peak 16.300	104	IFO differential -\$719
60	Tawhiri (Pakini Nui) Off Peak 15.820		Month Diesel
61	HEP Biodiesel 25.288	105	Diesel mmbtu, budget 220,781
62	Small Hydro (>100 KW) On Peak 21.892	106	Diesel Cost, ¢/mmbtu 2,689.83
63	Small Hydro (>100 KW) Off Peak 21.655	107	Diesel ECRC Fossil Cost \$5,938,615
63a	CBRE 15.000	108	Diesel Base ECRC Recovery Target \$4,195,062
64	Sch Q Hydro (<100 KW) 21.390	109	Diesel differential \$1,743,552
65	FIT 23.800	110	Total Fossil \$1,742,834
	PURCHASED ENERGY KWH MIX, %,	111	2% of above \$34,857
66	HEP, Fossil 17.121		Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year \$516,732
	PURCHASED ENERGY KWH MIX, %, Renewable	112	Maximum Annual Cap (bi-directional) \$600,000
67	PGV On Peak 19.005	113	Number of Days in year from implementation 365
68	PGV Off Peak 11.946	114	Fossil Risk % Proration (based on 365 day year) 100.00%
69	PGV - Add'l On Peak 3.801	115	Maximum Annual Cap (bi-directional) prorated \$600,000
70	PGV - Add'l Off Peak 2.715	116	Applicable Monthly Fossil Fuel Cost Risk Sharing \$34,857
71	PGV - Add'l 8 MW On Peak 5.968	117	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$551,589
72	PGV - Add'l 8 MW Off Peak 5.958		Fossil Cost Risk Sharing before taxes \$34,857
73	Wailuku Hydro On Peak 3.695	119	Revenue Tax Adjustment 1,097,514
74	Wailuku Hydro Off Peak 2.366	120	Fossil Cost Risk Sharing w/revenue tax \$38,256
75	Hawi Renewable Dev. On Peak 3.442	121	Forecasted Month MWh Sales 88,316
76	Hawi Renewable Dev. Off Peak 1.663	122	Fossil Fuel Cost Risk Sharing Component, ¢/kWh -0.0433
77	Tawhiri (Pakini Nui) On Peak 10.248		Derivation of Non-Adjustable Component:
78	Tawhiri (Pakini Nui) Off Peak 6.821		93A Ocean Cargo Insurance Exp, \$000 \$13.1
79	HEP Biodiesel 4.466		HELCO-603, page 1, line 4
80	Small Hydro (>100 KW) On Peak 0.000	93B	Revenue Tax Adjustment 1,097,514
81	Small Hydro (>100 KW) Off Peak 0.000	93C	Non-Adj Revenues, \$000 \$14.4
81a	CBRE 0.173	93D	2019 TY Sales, MWh 1,061,718
82	Sch Q Hydro (<100 KW) 0.000		HELCO-301
83	FIT 0.612	93E	Non-Adj Revenues, ¢/kWh 0.00135
	100.000		
83a	Comp. Cost Purchased Energy Fossil, ¢/kWh 25.2880		
83b	Comp. Cost Purchased Energy Renewable, ¢/kWh 18.0383		
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh 19.280		
85	% Input to System kWh Mix 56.954		
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 10.98073		
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)) 10.98073		
91	Loss Factor 1.062		
92	Revenue Tax I* 1.0975		
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92)) 12.79853		
		Line	SYSTEM COMPOSITE
		124	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) 25.12601
		125	Fossil Fuel Cost Risk Sharing Component (Line 123) (0.043)
		126	Non-Adjustable Component (Line 93E) 0.00135
		127	ECA Reconciliation Adjustment (0.204)
		128	ECA FACTOR, ¢/kWh (Lines (124 + 125 + 126 + 127)) 24.880

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

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	86.1504	86.1504
Land Transportation Cost - \$/BBL	--	1.5473
	<hr/>	
Industrial Costs For Filing - \$/BBL	86.1504	87.6977
Conversion Factors - mmbtu/BBL	6.30	6.30
	<hr/>	
Industrial Costs For Filing - ¢/mmbtu	<u>1,367.47</u>	<u>1,392.03</u>

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	154.1198	154.1198	154.1198
Land Transportation Cost - \$/BBL	3.5314	1.4183	1.2639
	<hr/>		
Diesel Costs For Filing - \$/BBL	157.6512	155.5381	155.3837
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
	<hr/>		
Diesel Costs For Filing - ¢/mmbtu	<u>2,690.29</u>	<u>2,654.23</u>	<u>2,651.60</u>

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	153.4390	153.4390	153.4390	153.4390
Land Transportation Cost - \$/BBL	3.5263	3.1247	1.2946	-
	<hr/>			
ULSD Costs For Filing - \$/BBL	156.9653	156.5637	154.7336	153.4390
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
	<hr/>			
ULSD Costs For Filing - ¢/mmbtu	<u>2,739.36</u>	<u>2,732.35</u>	<u>2,700.41</u>	<u>2,677.82</u>

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	9.4226
\$/BBI Inv Cost:	153.4390
	<hr/>
Fuel \$ (Prod Sim Consumption x Unit Cost)	1,445.80
Net kWh (from Prod Sim)	5,250
cents/kWh:	<u>27.539</u>

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 10/31/2022	0	0.00	29,799	2,791,565.88			
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	(32,312)	(3,024,353.33)			
Actual	0	0.00	34,789	3,292,913.04			
Consumed: Estimate	0	0.00	39,667	4,133,749.64			
Actual	0	0.00	(42,260)	(4,370,229.43)			
Balance Per G/L 10/31/2022	<u>0</u>	<u>0.00</u>	<u>29,683</u>	<u>2,823,645.80</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	33,786	2,814,527.17			
Consumed	<u>0</u>	<u>0.00</u>	<u>(39,967)</u>	<u>(3,796,103.35)</u>	106.5901	0.0000	106.5901
Balance @ 11/30/2022	0	0.00	23,502	1,842,069.62			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 11/30/2022	<u>0</u>	<u>0.00</u>	<u>23,502</u>	<u>1,842,069.62</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(1,842,069.62)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,024,706.27			
Total @ 12/01/2022 Avg Price	<u>0</u>	<u>0.00</u>	<u>23,502</u>	<u>2,024,706.27</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 78.3793

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 86.1504

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 10/31/2022	9,566	1,003,011.57	15,214.89			
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	(13)	0.00	(17.10)			
Actual	269	0.00	0.00			
Consumed: Estimate	0	0.00	0.00			
Actual	0	(68,677.13)	0.00			
Balance Per G/L 10/31/2022	9,822	934,334.44	15,197.79			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0	0	0.00			
Consumed	0	0.00	0.00	94.9809	1.5905	96.5715
Balance @ 11/30/2022	9,822	934,334.44	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	934,334.44	15,197.79		1.5473	
Reverse Fuel Balance	XXXXXXXXXXXX	(934,334.44)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	846,169.05	XXXXXXXXXXXX			
Total @ 12/01/2022 Avg Price	9,822	846,169.05	15,197.79			

Weighted Avg Cost/BBL by Location

95.1267

1.5473

Weighted Avg Cost/BBL @ Avg Cost

86.1504

1.5473

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

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 10/31/2022	55,427.9	2,327,971.0	8,986,039.7	189,063.6			
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		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfers in: Estimate	(32,448.2)	(1,362,825.0)	(5,195,235.3)	(118,280.2)			
Actual	32,022.9	1,344,962.0	4,903,547.3	114,620.88			
Consumed: Estimate	34,552.1	1,451,187.0	5,556,349.7	106,907.56			
Actual	(31,834.0)	(1,337,026.0)	(5,309,583.8)	(96,219.2)	166.7900		
Balance Per G/L 10/31/2022	57,720.7	2,424,269	8,941,117.58	196,092.68	154.9032		
Purchases	xxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer in	29,813.3	1,252,160.0	4,601,566.9	108,675.6	154.3459		
Consumed	(36,099.6)	(1,516,183.0)	(5,572,751.7)	(123,135.15)	154.3716	3.4110	157.7826
Balance @ 11/30/2022	51,434.4	2,160,246	7,969,932.70	181,633.09	154.9533		
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	51,434.4	2,160,246	7,969,932.70	181,633.09	154.9533		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxxxxxxxx	(7,969,932.7)	xxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxx	xxxxxxxxxxxxxxxx	7,927,065.9	xxxxxxxxxxxxxxxx			
Total @ 12/01/2022 Avg Price	51,434.4	2,160,246	7,927,065.88	181,633.09	154.1198		

Weighted Avg Cost/BBL by Location 154.9533 3.5314

Weighted Avg Cost/BBL @ Avg Cost 154.1198 3.5314

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 10/31/2022	3,609.8	151,610.0	577,891.0	5,119.7			
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	(7,632.8)	(320,579.0)	(1,218,251.2)	(10,825.6)			
Actual	10,828.6	454,801.0	1,569,326.3	15,222.2			
Consumed: Estimate	7,998.4	335,931.0	1,286,223.0	11,344.1			
Actual	(11,652.4)	(489,402.0)	(1,727,019.2)	(16,390.7)			
Balance Per G/L 10/31/2022	3,151.5	132,361	488,169.94	4,469.70			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	16,911.9	710,298.0	2,614,199.5	23,986.1	154.5779		
Consumed	(14,650.2)	(615,308)	(2,261,573.1)	(20,778.37)	154.3716	1.4183	#####
Balance @ 11/30/2022	5,413.1	227,351	840,796.36	7,677.42	155.3257		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 11/30/2022	5,413.1	227,351	840,796.36	7,677.42	155.3257		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	(840,796.36)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	834,269.04	XXXXXXXXXXXXXXXXXX			
Total @ 12/01/2022 Avg Price	5,413.1	227,351	834,269.04	7,677.42	154.1198		

Weighted Avg Cost/BBL by Location 155.3257 1.4183
Weighted Avg Cost/BBL @ Avg Cost 154.1198 1.4183

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 10/31/2022	2113.8	88,779	343,383	2,683			
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	-1887.7	-79285.0	-305058.0	-2363.4			
Actual	942.4	39580.0	137654.7	1178.7			
Consumed: Estimate	964.2	40498.0	155060.0	1212.8			
Actual	-1214.3	-51001.0	-188783.4	-1519.2			
Balance Per G/L 10/31/2022	918.4	38,571	142,256.43	1,191.57	154.9032		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	2267.8	95249.0	352877.0	2839.3	#DIV/0!		
Consumed	-731.6	-30727.0	-112937.5	-928.5	154.3716	1.2692	155.6408
Balance @ 11/30/2022	2,454.6	103,093	382,195.91	3,102.38	155.7063		
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	2,454.6	103,093	382,195.91	3,102.38	155.7063		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -382,195.91	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 378,301.82	XXXXXXXXXXXX			
Total @ 12/01/2022 Avg Price	2,454.6	103,093	378,301.82	3,102.38	154.1198		

Weighted Avg Cost/BBL by Location

155.7063 1.2639

Weighted Avg Cost/BBL @ Avg Cost

154.1198 1.2639

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

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 10/31/2022	2,206.6	92,678	332,007.75	6,928.28			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(188.5)	(7,917)	(27,895.41)	(687.12)			
Actual	188.5	7,917	27,895.41	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		369	0.00	32.03			
Actual		(150)	0.00	687.12			
Consumed: Estimate	261.2	10,971	39,420.29	793.83			
Actual	(331.1)	(13,907)	(51,060.63)	(477.43)	154.2063		
Balance Per G/L 10/31/2022	2,141.9	89,961	320,367.41	7,276.71	149.5696		
Purchases	377.5	15,856	59,089.32	1,376.15	0.0000		
Estimated Purchases	190.0	7,980	29,738.44	692.59			
Transfer in	(5.8)	(245)	0.00	(21.26)	0.00		
Consumed	(542.2)	(22,773)	(81,414.36)	(1,702.43)	150.1516	3.1398	153.2914
Balance @ 11/30/2022	2,161.4	90,779	327,780.81	7,621.75	151.6517		
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	2,161.4	90,779	327,780.81	7,621.75	151.6517		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(327,780.81)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	331,643.78	xxxxxxxxxxxx			
Total @ 12/01/2022 Avg Price	2,161.4	90,779	331,643.78	7,621.75	153.4390		

Weighted Avg Cost/BBL by Location

151.6517 3.5263

Weighted Avg Cost/BBL @ Avg Cost

153.4390 3.5263

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 10/31/2022	901.5	37,863.0	134,476.4	2,783.29			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(15,898)	(56,016.32)	(1,148.93)			
Actual		7,918.0	27,898.9	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	0.8	34	0.00	0.00			
Actual	1.2	52	0.00	572.23			
Consumed: Estimate	232.3	9,758	35,061.82	701.21			
Actual	(465.0)	(19,531)	(69,499.19)	(1,392.84)			
Balance Per G/L 10/31/2022	480.9	20,196	71,921.61	1,514.95	149.5696		
ULSD Purchases	754.8	31,701	118,137.70	2,330.32	156.5182		
Estimated Purchases	190.0	7,980	29,738.46	586.61			
Transfer in	xxxxxxxxxxxx	88	0.00	0.00	#DIV/0!		
Consumed	(787.0)	(33,052)	(118,162.19)	(2,429.63)	150.1516	3.0874	153.2390
Balance @ 11/30/2022	640.8	26,913	101,635.58	2,002.24	158.6109		
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	640.8	26,913	101,635.58	2,002.24	158.6109		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(101,635.58)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	98,321.52	xxxxxxxxxxxx			
Total @ 12/01/2022 Avg Price	640.8	26,913	98,321.52	2,002.24	153.4390		
Weighted Avg Cost/BBL by Location			158.6109	3.1247			
Weighted Avg Cost/BBL @ Avg Cost			153.4390	3.1247			

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 10/31/2022	1,267.9	53,251.0	189,300.7	1617.4
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(376.8)	(15,827)	(55,766.17)	(471.80)
Actual	376.8	15,827	55,766.17	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		(9)	0.00	(0.27)
Actual		9	0.00	471.80
Consumed: Estimate	275.1	11,556	41,522.28	355.46
Actual	(364.4)	(15,303)	(54,530.29)	(434.86)
Balance Per G/L 10/31/2022	1,178.7	49,504	176,292.71	1,537.77
ULSD Purchases	189	7,929	29,548.42	236.36
Estimated Purchases	380	-	-	-
Transfer in	(0)	(14)	0.00	(0.42)
Consumed	(655.4)	(27,527)	(98,410.10)	(836.10)
Balance @ 11/30/2022	1,091.7	45,852	166,907.99	1,413.37
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	1,091.7	45,852	166,907.99	1,413.37
Reverse Fuel Balance	x	x	(166,907.99)	x
Fuel Balance @ Avg Price	x	x	167,511.54	x
Total @ 12/01/2022 Avg Price	1,091.7	45,852	167,511.54	1,413.37

Weighted Avg Cost/BBL by Location

152.8861 1.2946

Weighted Avg Cost/BBL @ Avg Cost

153.4390 1.2946

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 10/31/2022	127.6	5,361	20,444.51	
Less: Est'd Inven Addition	0.0	XXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	8.6	360	0.00	
Actual	(8.6)	(360)	0.00	
Consumed: Estimate	8.2	346	1,243.22	
Actual	(29.1)	(1,223)	(4,437.37)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 10/31/2022	106.76	4,484	17,250.36	161.5779
Purchases	57.1	2,400	8,861.91	155.0834
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(57.7)	(2,422)	(8,658.74)	150.1516
Balance @ 11/30/2022	106.2	4,462	17,453.53	164.2869
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 11/30/2022	106.2	4,462	17,453.53	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(17,453.53)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	16,301.07	xxxx
Total @ 12/01/2022 Avg Price	106.2	4,462	16,301.07	153.4390

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

		December 1, 2022 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	21.892	6.560
PGV (22 MW)	- off peak	21.655	5.430
WAILUKU HYDRO	- on peak	21.892	7.240
	off peak	21.655	5.970
Other: (<100 KW)	Sch Q Rate	21.390	
		December 1, 2022 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		25.288	
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
December 1, 2022

<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 (December 1, 2022)	88,316 mwh
6	Adjustment (Line 4 / Line 5)	(0.204) ¢/kwh

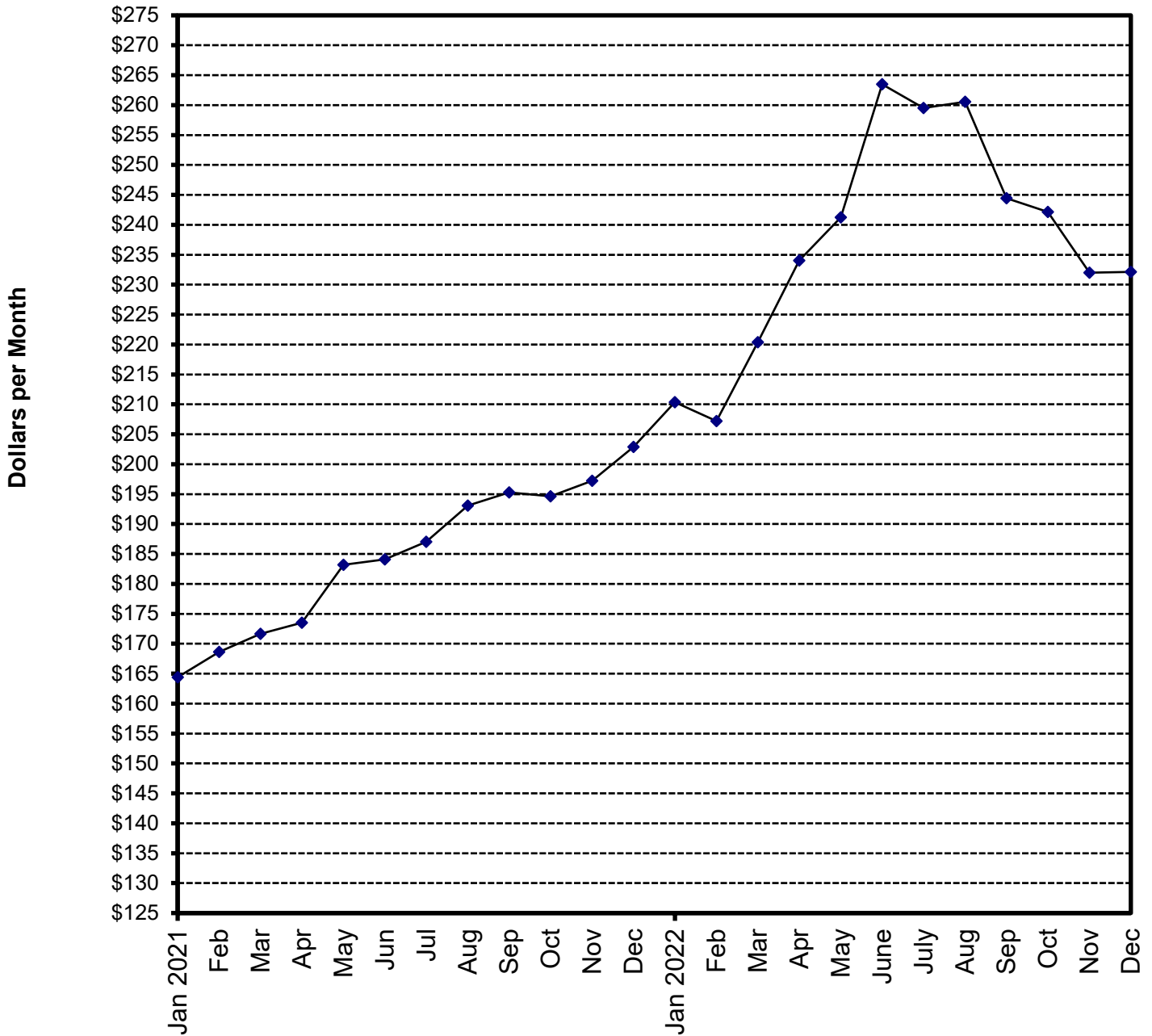
HAWAII ELECTRIC LIGHT COMPANY, INC.
2022 Cumulative Reconciliation Balance

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)		
December					(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 CENTS / KWH</u>		
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>@ 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

**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
8/1/2022-10/31/2022	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

**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		
	11/01/22	12/01/22	11/01/22	12/01/22	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	\$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	¢/kwh	1.3708	\$6.85	\$6.85	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.2180	\$11.09	\$11.24	\$0.15
PBF Surcharge	¢/kwh	0.6488	\$3.24	\$3.24	\$0.00
DSM Adjustment	¢/kwh	(0.0017)	-\$0.01	-\$0.01	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	24.8790	\$124.40	\$124.40	\$0.00
Green Infrastructure Fee	\$	1.18	\$1.18	\$1.18	\$0.00
Avg Residential Bill at 500 kwh			\$231.99	\$232.14	
			Increase (Decrease -)		\$0.15
			% Change		0.06%

	Rate		Charge (\$) at 600 Kwh		
	11/01/22	12/01/22	11/01/22	12/01/22	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	\$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	¢/kwh	1.3708	\$8.22	\$8.22	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.2180	\$13.31	\$13.48	\$0.17
PBF Surcharge	¢/kwh	0.6488	\$3.89	\$3.89	\$0.00
DSM Adjustment	¢/kwh	(0.0017)	-\$0.01	-\$0.01	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	24.8790	\$149.27	\$149.28	\$0.01
Green Infrastructure Fee	\$	1.18	\$1.18	\$1.18	\$0.00
Avg Residential Bill at 600 kwh			\$277.85	\$278.03	
			Increase (Decrease -)		\$0.18
			% Change		0.06%

Mounthongdy, Christine

From: puc@hawaii.gov
Sent: Monday, November 28, 2022 1:40 PM
To: Mounthongdy, Christine
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 Nov 28 PM 13:36. 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 CHRI22133612656. 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.