



July 28, 2021

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

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Recovery Factor for August 2021

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") August 2021 Energy Cost Recovery factor is 18.134 cents per kilowatt-hour ("kWh"), an increase of 1.094 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$193.08, an increase of \$6.04 compared to rates effective July 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery factor (+\$5.47), increase in the Purchased Power Adjustment Clause (+\$0.12) and implementation of the Residential DSM Adjustment (+\$0.45).

Hawai'i Electric Light's fuel composite cost of generation increased 102.91 cents per million BTU to 1,452.46 cents per million BTU. The composite cost of distributed generation remains at 0 cents per kWh. The composite cost of purchased energy increased 1.744 cents per kWh to 14.772 cents per kWh.

The attached sheets set forth the fuel adjustment in cents per kWh for each rate schedule that is applicable for pro rata use beginning August 1, 2021.

Very truly yours,

/s/ Dean K. Matsuura

Dean K. Matsuura
Director, Regulatory Rate Proceedings

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>7/01/21</u>	<u>8/01/21</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,349.55	1,452.46	102.91
Dispersed Generation Energy, ¢/kWh	0.00	0.000	0.000
Purchased Energy, ¢/kWh	13.028	14.772	1.744
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	17.040	18.134	1.094
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	17.040	18.134	1.094
Residential Customer with:			
500 KWH Consumption - \$/Bill	187.04	\$193.08	\$6.04
600 KWH Consumption - \$/Bill	223.92	\$231.16	\$7.24

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

ENERGY COST RECOVERY (ECR) FILING - August 1, 2021 (Page 1 of 2)

<u>Line</u>		
1	Effective Date	August 1, 2021
2	Supersedes Factors of	July 1, 2021

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT				DG ENERGY COMPONENT			
FUEL PRICES, ¢/mmbtu							
3							
4	Hill Industrial		1,208.34				
5	Puna Industrial		1,228.65				
6	Keahole Diesel		1,624.27				
6a	Keahole ULSD		1,444.77				
7	Waimea ULSD Diesel		1,434.85				
8	Hilo Diesel		1,583.60				
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,405.37				
9	Puna Diesel		1,590.07				
10	Wind		0.00	35	COMPOSITE COST OF DG ENERGY, ¢/kWh		0.000
11	Hydro		0.00	36	% Input to System kWh Mix		0.000
BTU MIX, %							
12				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)		0.00000
13	Hill Industrial		28.421				
14	Puna Industrial		11.863				
15	Keahole Diesel		51.494	38	BASE DG ENERGY COMPOSITE COST		0.000
15a	Keahole ULSD		0.246				
16	Waimea ULSD Diesel		0.350	39	Base % Input to System kWh Mix		0.00
17	Hilo Diesel		1.026	40	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39)		0.00000
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.162				
18	Puna Diesel		6.275				
19	Wind		0.000	41	Cost Less Base (Line 37 - 40)		0.00000
20	Hydro		0.163	42	Loss Factor		1.062
			100.000	43	Revenue Tax Req Multiplier		1.0975
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		1,452.46	44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)		0.00000
22	% Input to System kWh Mix		41.322				
EFFICIENCY FACTOR, mmbtu/kWh							
	(A)	(B)	(C)	(D)			
		Eff Factor	Percent of	Weighted			
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Centrl Stn + Wind/Hydro</u>	<u>Eff Factor</u>			
23	Industrial	0.014663	40.284	0.005907	40.2839		
24	Diesel	0.010557	59.553	0.006287			
25	Other	0.012087	0.163	0.000020			
	(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)]		0.0122140				
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))		7.33067				
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)		7.33067				
33	Revenue Tax Req Multiplier		1.0975				
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))		8.04541				
				SUMMARY OF			
				TOTAL GENERATION FACTOR, ¢/kWh			
				45	Cntrl Stn+Wind/Hydro (line 34)		8.04541
				46	DG (line 44)		0.00000
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)		8.04541

¹ Hilo ULSD same location as Kanoelehua ULSD

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

ENERGY COST RECOVERY (ECR) FILING - August 1, 2021 (Page 2 of 2)

Line	PURCHASED ENERGY COMPONENT	Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Component
48	PURCHASED ENERGY PRICE, ¢/kWh -- Fossil HEP 18.910	94	Baseline IFO IFO \$, baseline month \$1,974,001
		95	IFO mmbtu, baseline 224,069
		96	Baseline IFO, ¢/mmbtu 880.98
49	PURCHASED ENERGY PRICE, ¢/kWh -- Renewable PGV On Peak 15.579		Baseline Diesel
50	PGV Off Peak 14.942	97	Diesel \$, baseline month \$3,363,554
51	PGV - Add'l 5 MW On Peak 13.450	98	Diesel mmbtu, baseline 308,091
52	PGV - Add'l 5 MW Off Peak 13.450	99	Baseline Diesel, ¢/mmbtu 1,091.74
53	PGV - Add'l 8 MW On Peak 6.840		Month IFO
54	PGV - Add'l 8 MW Off Peak 6.840	100	IFO mmbtu, budget 177,851
55	Wailuku Hydro On Peak 15.579	101	IFO Cost, ¢/mmbtu 1,214.32
56	Wailuku Hydro Off Peak 14.942	102	IFO ECRC Fossil Cost \$2,159,680
57	Hawi Renewable Dev. On Peak 15.579	103	IFO Base ECRC Recovery Target \$1,566,831
58	Hawi Renewable Dev. Off Peak 14.942	104	IFO differential \$592,850
59	Tawhiri (Pakini Nui) On Peak 13.740		Month Diesel
60	Tawhiri (Pakini Nui) Off Peak 13.160	105	Diesel mmbtu, budget 262,930
61	HEP Biodiesel 18.910	106	Diesel Cost, ¢/mmbtu 1,617.51
62	Small Hydro (>100 KW) On Peak 15.579	107	Diesel ECRC Fossil Cost \$4,252,927
63	Small Hydro (>100 KW) Off Peak 14.942	108	Diesel Base ECRC Recovery Target \$2,870,517
63a	CBRE 15.000	109	Diesel differential \$1,382,410
64	Sch Q Hydro (<100 KW) 14.890	110	Total Fossil \$1,975,260
65	FIT 23.800	111	2% of above \$39,505
66	PURCHASED ENERGY KWH MIX, %, HEP, Fossil 17.720	112	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year \$125,237
		113	Maximum Annual Cap (bi-directional) \$600,000
		114	Number of Days in year from implementation 365
		115	Fossil Risk % Proration (based on 365 day year) 100.00%
67	PURCHASED ENERGY KWH MIX, %, Renewable PGV On Peak 18.933	116	Maximum Annual Cap (bi-directional) prorated \$600,000
68	PGV Off Peak 11.901	117	Applicable Monthly Fossil Fuel Cost Risk Sharing \$39,505
69	PGV - Add'l On Peak 3.787	118	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$164,742
70	PGV - Add'l Off Peak 2.705		Derivation of Non-Adjustable Component:
71	PGV - Add'l 8 MW On Peak 6.131	93A	Ocean Cargo Insurance Exp, \$000 \$13.1
72	PGV - Add'l 8 MW Off Peak 6.071		HELCO-603, page 1, line 4
73	Wailuku Hydro On Peak 3.371	93B	Revenue Tax Adjustment 1.097514
74	Wailuku Hydro Off Peak 2.399	93C	Non-Adj Revenues, \$000 \$14.4
75	Hawi Renewable Dev. On Peak 4.079	93D	2019 TY Sales, MWh 1,061,718
76	Hawi Renewable Dev. Off Peak 1.777		HELCO-301
77	Tawhiri (Pakini Nui) On Peak 8.929	93E	Non-Adj Revenues, ¢/kWh 0.00135
78	Tawhiri (Pakini Nui) Off Peak 6.078		
79	HEP Biodiesel 4.952		
80	Small Hydro (>100 KW) On Peak 0.000		
81	Small Hydro (>100 KW) Off Peak 0.000		
81a	CBRE 0.246		
82	Sch Q Hydro (<100 KW) 0.209		
83	FIT 0.713		
83a	Comp. Cost Purchased Energy Fossil, ¢/kWh 18.9100		
83b	Comp. Cost Purchased Energy Renewable, ¢/kWh 13.8806		
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh 14.772		
85	% Input to System kWh Mix 58.678		
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 8.66791		
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)) 8.66791		
91	Loss Factor 1.062		
92	Revenue Tax * 1.0975		
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92)) 10.10284		
		SYSTEM COMPOSITE	
		124	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) 18.14825
		125	Fossil Fuel Cost Risk Sharing Component (Line 123) (0.050)
		126	Non-Adjustable Component (Line 93E) 0.00135
		127	ECA Reconciliation Adjustment 0.034
		128	ECA FACTOR, ¢/kWh (Lines (124 + 125 + 126 + 127)) 18.134

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR August 1, 2021

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	76.1253	76.1253
Land Transportation Cost - \$/BBL	--	1.2795
Industrial Costs For Filing - \$/BBL	76.1253	77.4048
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,208.34	1,228.65

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	91.7339	91.7339	91.7339
Land Transportation Cost - \$/BBL	3.4483	1.4445	1.0648
Diesel Costs For Filing - \$/BBL	95.1821	93.1784	92.7987
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,624.27	1,590.07	1,583.60

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	79.4758	79.4758	79.4758	79.4758
Land Transportation Cost - \$/BBL	3.3096	2.7408	1.0521	-
ULSD Costs For Filing - \$/BBL	82.7854	82.2166	80.5279	79.4758
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,444.77	1,434.85	1,405.37	1,387.01

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	0.0000
\$/BBI Inv Cost:	79.4758
Fuel \$ (Prod Sim Consumption x Unit Cost)	0.00
Net kWh (from Prod Sim)	0
cents/kWh:	#DIV/0!

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 06/30/2021	0	0.00	38,827	2,888,024.58			
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	(22,846)	(1,668,230.16)			
Actual	0	0.00	19,361	1,460,906.11			
Consumed: Estimate	0	0.00	19,432	1,416,270.17			
Actual	0	0.00	(18,463)	(1,345,646.16)			
Balance Per G/L 06/30/2021	<u>0</u>	<u>0.00</u>	<u>36,311</u>	<u>2,751,324.54</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	20,547	1,532,836.32			
Consumed	<u>0</u>	<u>0.00</u>	<u>(24,816)</u>	<u>(1,845,004.63)</u>	106.5901	0.0000	106.5901
Balance @ 07/31/2021	0	0.00	32,042	2,439,156.23			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 07/31/2021	<u>0</u>	<u>0.00</u>	<u>32,042</u>	<u>2,439,156.23</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,439,156.23)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,439,207.84			
Total @ 08/01/2021 Avg Price	<u>0</u>	<u>0.00</u>	<u>32,042</u>	<u>2,439,207.84</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 76.1237

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 76.1253

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 06/30/2021	8,770	626,422.39	11,477.32			
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	(10,902)	(787,507.72)	(14,339.51)			
Actual	9,932	726,272.40	12,494.13			
Consumed: Estimate	10,237	746,107.34	14,403.65			
Actual	<u>(11,092)</u>	<u>(808,422.64)</u>	<u>(15,279.56)</u>			
Balance Per G/L 06/30/2021	<u>6,945</u>	<u>502,871.77</u>	<u>8,756.03</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	11,369	840,987	14,953.76			
Consumed	(9,492)	<u>(705,705.35)</u>	(12,422.20)	74.3474	1.3087	75.6561
Balance @ 07/31/2021	<u>8,822</u>	<u>638,153.91</u>	<u>11,287.58</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>8,822</u>	<u>638,153.91</u>	<u>11,287.58</u>		<u>1.2795</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(638,153.91)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	671,577.67	XXXXXXXXXXXX			
Total @ 08/01/2021 Avg Price	<u>8,822</u>	<u>671,577.67</u>	<u>11,287.58</u>			

Weighted Avg Cost/BBL by Location

72.3366

1.2795

Weighted Avg Cost/BBL @ Avg Cost

76.1253

1.2795

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 06/30/2021	47,357.2	1,989,003.0	4,024,774.2	150,339.2			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Transfers out: Estimate		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfers in: Estimate	(44,837.4)	(1,883,170.0)	(3,826,947.7)	(140,107.8)			
Actual	44,829.6	1,882,845.0	3,978,815.7	143,537.61			
Consumed: Estimate	34,204.6	1,436,592.0	2,865,753.0	110,826.00			
Actual	(35,776.0)	(1,502,594.0)	(3,077,370.0)	(113,189.5)	86.0176		
Balance Per G/L 06/30/2021	45,778.0	1,922,676	3,965,025.14	151,405.50	86.6142		
Purchases	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	38,138.2	1,601,804.0	3,420,884.2	126,382.3	89.6971		
Consumed	(42,300.4)	(1,776,615.0)	(3,600,553.0)	(134,285.84)	85.1187	3.1746	88.2933
Balance @ 07/31/2021	41,615.8	1,747,865	3,785,356.36	143,502.00	90.9595		
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	41,615.8	1,747,865	3,785,356.36	143,502.00	90.9595		
Reverse Fuel Balance	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	(3,785,356.4)	xxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	3,817,580.7	xxxxxxxxxxxxxx			
Total @ 08/01/2021 Avg Price	41,615.8	1,747,865	3,817,580.68	143,502.00	91.7339		

Weighted Avg Cost/BBL by Location

90.9595

3.4483

Weighted Avg Cost/BBL @ Avg Cost

91.7339

3.4483

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 06/30/2021	5,501.0	231,041.0	456,895.2	7,293.0			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers in: Estimate	(156.7)	(6,580.0)	(11,849.0)	(190.8)			
Actual	542.5	22,783.0	49,514.6	687.2			
Consumed: Estimate	2,156.4	90,567.0	180,665.5	1,898.5			
Actual	(2,814.9)	(118,224.0)	(222,384.5)	(1,980.2)			
Balance Per G/L 06/30/2021	5,228.3	219,587	452,841.76	7,707.72			
Purchases		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer in	5,047.2	211,981.0	468,439.5	6,507.8	92.8124		
Consumed	(5,284.9)	(221,966)	(449,844.42)	(7,006.52)	85.1187	1.3258	86.4445
Balance @ 07/31/2021	4,990.5	209,602	471,436.88	7,209.01	94.4664		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 07/31/2021	4,990.5	209,602	471,436.88	7,209.01	94.4664		
Reverse Fuel Balance		XXXXXXXXXXXXXX	(471,436.88)	XXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXX	457,799.97	XXXXXXXXXXXXXX			
Total @ 08/01/2021 Avg Price	4,990.5	209,602	457,799.97	7,209.01	91.7339		

Weighted Avg Cost/BBL by Location 94.4664 1.4445

Weighted Avg Cost/BBL @ Avg Cost 91.7339 1.4445

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 06/30/2021	2025.2	85,058	168,843	2,118			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Actual		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Actual		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfers in: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Consumed: Estimate	277.2	11642.0	23223.8	284.7			
Actual	-389.3	-16351.0	-26367.3	-372.4			
Balance Per G/L 06/30/2021	1913.1	80,349	165,699.17	2,030.00	86.6142		
Purchases	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer in	-1.9	-79.0	0.0	-2.1	0.0000		
Consumed	-376.4	-15809.0	-32039.1	-393.6	85.1187	1.0456	86.1644
Balance @ 07/31/2021	1,534.8	64,461	133,660.07	1,634.27	87.0871		
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	1,534.8	64,461	133,660.07	1,634.27	87.0871		
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	-133,660.07	XXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	140,791.80	XXXXXXXXXX			
Total @ 08/01/2021 Avg Price	1,534.8	64,461	140,791.80	1,634.27	91.7339		
Weighted Avg Cost/BBL by Location			87.0871	1.0648			
Weighted Avg Cost/BBL @ Avg Cost			91.7339	1.0648			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 06/30/2021	2,264.9	95,127	177,222.41	7,414.01			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(188.5)	(7,916)	(16,942.94)	(588.95)			
Actual	188.5	7,916	16,942.94	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		90	0.00	6.70			
Actual		(11)	0.00	588.95			
Consumed: Estimate	138.2	5,805	10,784.16	475.68			
Actual	(191.8)	(8,055)	(14,964.07)	(576.35)	78.0249		
Balance Per G/L 06/30/2021	2,213.2	92,956	173,042.50	7,320.03	78.1852		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	18,034.80	629.62			
Transfer in	6.4	270	0.00	20.09	0.00		
Consumed	(149.0)	(6,258)	(11,630.13)	(487.74)	78.0546	3.2734	81.3280
Balance @ 07/31/2021	2,260.7	94,948	179,447.17	7,482.00	79.3780		
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	2,260.7	94,948	179,447.17	7,482.00	79.3780		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(179,447.17)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	179,668.28	xxxxxxxxxxxx			
Total @ 08/01/2021 Avg Price	2,260.7	94,948	179,668.28	7,482.00	79.4758		

Weighted Avg Cost/BBL by Location

79.3780 3.3096

Weighted Avg Cost/BBL @ Avg Cost

79.4758 3.3096

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 06/30/2021	775.7	32,580.0	62,329.9	2,092.06			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,916)	(16,942.94)	(490.79)			
Actual		7,916.0	16,942.9	0.00			
Transfers out: Estimate		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Transfers in: Estimate	3.8	160	0.00	0.00			
Actual	0.4	16	0.00	490.79			
Consumed: Estimate	165.2	6,937	12,887.12	435.30			
Actual	(201.9)	(8,481)	(15,755.47)	(509.06)			
Balance Per G/L 06/30/2021	743.1	31,212	59,461.60	2,018.30	80.0137		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	190.0	7,980	18,034.80	524.29			
Transfer in	xxxxxxxxxxxxx	(164)	0.00	0.00	#DIV/0!		
Consumed	(98.3)	(4,127)	(7,669.79)	(265.01)	78.0546	2.6969	80.7515
Balance @ 07/31/2021	831.0	34,901	69,826.61	2,277.58	84.0296		
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	831.0	34,901	69,826.61	2,277.58	84.0296		
Reverse Fuel Balance	xxxxxxxxxxxxx	xxxxxxxxxxxxx	(69,826.61)	xxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxx	xxxxxxxxxxxxx	66,042.49	xxxxxxxxxxxxx			
Total @ 08/01/2021 Avg Price	831.0	34,901	66,042.49	2,277.58	79.4758		
Weighted Avg Cost/BBL by Location			84.0296	2.7408			
Weighted Avg Cost/BBL @ Avg Cost			79.4758	2.7408			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 06/30/2021	1,247.1	52,378.0	98,679.3	1,301.5
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(188.4)	(7,913)	(16,936.53)	(202.57)
Actual	188.4	7,913	16,936.53	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		(3)	0.00	(0.08)
Actual		3	0.00	202.57
Consumed: Estimate	120.8	5,075	9,428.01	124.33
Actual	(145.0)	(6,089)	(11,311.76)	(139.62)
Balance Per G/L 06/30/2021	1,223.0	51,364	96,795.58	1,286.18
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	0	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(53.5)	(2,248)	(4,177.78)	(55.86)
Balance @ 07/31/2021	1,169.4	49,116	92,617.80	1,230.32
Inventory From Offsite/Transfers	0.0	0	0.00	0.00
Est'd Inventory Addition	0.0	0	0.00	0.00
Fuel Balance @ Avg Price	1,169.4	49,116	92,617.80	1,230.32
Reverse Fuel Balance	x	x	(92,617.80)	x
Fuel Balance @ Avg Price	x	x	92,941.26	x
Total @ 08/01/2021 Avg Price	1,169.4	49,116	92,941.26	1,230.32

Weighted Avg Cost/BBL by Location

79.1992 1.0521

Weighted Avg Cost/BBL @ Avg Cost

79.4758 1.0521

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
August 2021

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 06/30/2021	134.0	5,627	6,903.29	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	4.0	170	315.82	
Actual	(10.4)	(438)	(813.69)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 06/30/2021	127.60	5,359	6,405.42	50.2011
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(12.5)	(524)	(973.82)	78.0546
Balance @ 07/31/2021	146.1	6,135	8,369.59	57.2980
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 07/31/2021	146.1	6,135	8,369.59	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(8,369.59)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	11,609.14	xxxx
Total @ 08/01/2021 Avg Price	146.1	6,135	11,609.14	79.4758

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR August 1, 2021

		<u>August 1, 2021</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	15.579	6.560
PGV (22 MW)	- off peak	14.942	5.430
WAILUKU HYDRO	- on peak	15.579	7.240
	off peak	14.942	5.970
Other: (<100 KW)	Sch Q Rate	14.890	
		<u>August 1, 2021</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		18.910	
PGV Addtl 5 MW	- on peak	13.450	0.0000
	- off peak	13.450	0.0000
PGV Addtl 8 MW	- on peak	6.840	0.0000
	- off peak	6.840	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
August 1, 2021

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	\$80,900
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	\$26,967
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$29,596
5	Estimated MWh Sales (August 1, 2021)	87,073 mwh
6	Adjustment (Line 4 / Line 5)	0.034 ¢/kwh

HAWAII ELECTRIC LIGHT COMPANY, INC.
2021 FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY
(Thousand \$)

<u>LINE</u>	<u>DESCRIPTION</u>	Info Only June 2021 YTD Total <u>No Deadband</u>	collectn by company*	Basis for Recon June 2021 YTD Total <u>Deadband</u>
	ACTUAL COSTS:			
1	Generation	\$36,067.4		\$36,067.4
2	Distributed Generation	\$4.1		\$4.1
3	Purch Power	\$36,819.5		\$36,819.5
4	TOTAL	<u>\$72,891.0</u>		<u>\$72,891.0</u>
	FUEL FILING COST			
5	Generation	\$34,852.3		\$35,371.8
6	Distributed Generation	\$4.1		\$4.1
7	Purch Power	\$36,819.5		\$36,819.5
8	TOTAL	<u>\$71,675.9</u>		<u>\$72,195.4</u>
	BASE FUEL COST			
9	Generation	\$0.0		\$0.0
10	Distributed Generation	\$0.0		\$0.0
11	Purch Power	\$0.0		\$0.0
12	TOTAL	<u>\$0.0</u>		<u>\$0.0</u>
13	FUEL-BASE COST (Line 8-12)	\$71,675.9		\$72,195.4
14	ACTUAL FOA LESS TAX	\$71,133.3		\$71,133.3
15	Less: FOA reconciliation adj for prior year	-\$635.7		-\$635.7
15A	Less: Non-Adjustable Component Revenues Less Tax	\$6.2		\$6.2
16	ADJUSTED FOA LESS TAX	<u>\$71,762.8</u>		<u>\$71,762.8</u>
17	FOA-(FUEL-BASE) (Line 16-13)	\$87.0 over		-\$432.5 under
	ADJUSTMENTS:			
18	Current year FOA accrual reversal	-\$471.6		-\$471.6
19	Other prior year FOA	\$0.0		\$0.0
20	Other	<u>\$0.0</u>		<u>\$0.0</u>
21	QUARTERLY FOA RECONCILIATION (Line 17+18+19+20)	-\$384.6 under		-\$904.1 under
23	QUARTERY FOA RECONCILIATION INCLUDING TAXES			
21A	YTD Fossil Fuel Cost Risk Sharing Adjustment	\$115.8		\$115.8
21B	QUARTERLY FOA RECON w/Fossil Risk Adj (L21+L21A)	<u>-\$268.8</u>		<u>-\$788.3</u> under
22	First Quarter reconciliation			-707.4
23	FOA Reconciliation to be Returned or Collected			-80.9 under

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

**Hawai'i Electric Light Company
DEADBAND CALCULATION
For Period: January 1, 2021 to June 30, 2021**

	<u>Notes</u>	YTD
<u>Industrial</u>		
Industrial Efficiency Factor (per D&O), BTU/kWh*	f	14,663
Industrial Deadband Definition, +/- BTU/kWh	d	100
Industrial Portion of Recorded Sales, kWh	a	77,079,226
Industrial Consumption (Recorded), MMBTU	b	1,192,002
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	15,465
Lower limit of Industrial Deadband, BTU/kWh	e= f-d	14,563
Higher limit of Industrial Deadband, BTU/kWh	g=f+d	14,763
Industrial Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	14,763
<u>Diesel</u>		
Diesel Efficiency Factor (per D&O), BTU/kWh*	f	10,557
Diesel Deadband Definition, +/- BTU/kWh	d	200
Diesel Portion of Recorded Sales, MWh	a	170,496,434
Diesel Consumption (Recorded), MMBTU	b	1,842,878
Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	10,809
Lower limit of Diesel Deadband, BTU/kWh	e= f-d	10,357
Higher limit of Diesel Deadband, BTU/kWh	g=f+d	10,757
Diesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	10,757
<u>Biodiesel</u>		
Biodiesel Efficiency Factor (per D&O), BTU/kWh*	f	0
Biodiesel Deadband Definition, +/- BTU/kWh	d	100
Biodiesel Portion of Recorded Sales, MWh	a	0
Biodiesel Consumption (Recorded), MMBTU	b	0
Biodiesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	0
Lower limit of Biodiesel Deadband, BTU/kWh	e= f-d	-100
Higher limit of Biodiesel Deadband, BTU/kWh	g=f+d	100
Biodiesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	0
<u>Hydro</u>		
Hydro Efficiency Factor (per D&O), BTU/kWh*	f	12,087
Hydro Deadband Definition, +/- BTU/kWh	d	100
Hydro Portion of Recorded Sales, MWh	a	4,352,089
Hydro Consumption (Recorded), MMBTU	b	53,321
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	12,252
Lower limit of Hydro Deadband, BTU/kWh	e= f-d	11,987
Higher limit of Hydro Deadband, BTU/kWh	g=f+d	12,187
Hydro Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	12,187

* YTD Efficiency Factor (per D&O) is actual YTD & projected to the end of the year weighted by calendar days in the year.

HAWAII ELECTRIC LIGHT COMPANY, INC.
GENERATION FUEL FILING COST AND GENERATION BASE FUEL COST
WITHOUT and WITH DEADBAND
2021

	Without Deadband	With Deadband
	<u>Jan 1 - June 30</u>	<u>Jan 1 - June 30</u>
<u>INDUSTRIAL FUEL FILING COST</u>		
Industrial Portion of Recorded Sales , kWh	77,079,226	77,079,226
Industrial Efficiency Factor (mmbtu/kwh)	0.014663	0.014763
Mmbtu adjusted for Sales Efficiency Factor	1,130,213	1,137,921
\$/mmbtu	<u>\$10.2730</u>	<u>\$10.2730</u>
TOTAL INDUSTRIAL \$000s TO BE RECOVERED	\$11,610.660	\$11,689.843
<u>DIESEL FUEL FILING COST</u>		
Diesel Portion of Recorded Sales, kWh	170,496,434	170,496,434
Diesel Efficiency Factor (mmbtu/kwh)	0.014563	0.010757
Mmbtu adjusted for Sales Efficiency Factor	2,482,940	1,834,030
\$/mmbtu	<u>\$9.3605</u>	<u>\$12.9125</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$23,241.603	\$23,681.910
<u>HYDRO FUEL FILING COST</u>		
Hydro Portion of Recorded Sales , kWh	4,352,089	4,352,089
Hydro Efficiency Factor (mmbtu/kwh)	0.012087	0.012187
Mmbtu adjusted for Sales Efficiency Factor	52,604	53,039
\$/mmbtu	<u>\$0.0000</u>	<u>\$0.0000</u>
TOTAL HYDRO \$000s TO BE RECOVERED	\$0.000	\$0.000
TOTAL GENERATION FUEL FILING COST, \$000s	\$34,852.3	\$35,371.8
<u>CALCULATION OF GENERATION BASE FUEL COST</u>		
TOTAL GENERATION BASE FUEL COST, \$000s	\$0.0	\$0.0
TOTAL GENERATION FUEL FILING COST, \$000s YTD	\$34,852.3	\$35,371.8
TOTAL GENERATION BASE FUEL COST YTD	\$0.0	\$0.0

Fossil Fuel Cost Risk Sharing Mechanism and Non-Adjustable Component,			
LSFO/IFO Fossil Fuel Cost Risk Sharing			
		Baseline	YTD Subject to Fossil Risk
A	MMBtu	224,069	1,192,002
B	\$ cost, actuals	\$1,974,001	12,255,907
C = B / A (Baseline Column)	Baseline \$/mmbtu	8.809801	8.809801
D	IFO Gen kWh		82,125,266
E	Total kWh, Gen, Purch Pwr, DG		533,584,342
F	Sales kWh		501,014,891
G = (D / E) x F	IFO kWh-sales		77,112,422
H	Target Heat Rate		14,663
I1	Calculated Heat Rate (YTD subject to fossil risk, before deadband)		15,465
I	Recovery Heat Rate (YTD subject to fossil risk, after deadband)		14,763
J = B / A ytd	Actual Cost \$/MMbtu		10.2817821
K = C x H x G / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$9,961,238
L = I x J x G / 1,000,000	Fuel Filing Cost Recovery		\$11,704,891
M = 0.02 x (L-K)	IFO Cost Risk Sharing		\$34,873
Diesel with target heat rate Fossil Fuel Cost Risk Sharing			
AA	MMBtu	308,091	1,842,878
BB	\$ cost, actuals	3,363,554	\$23,811,489
CC = BB / AA (Baseline Column)	Baseline \$/mmbtu	10.9174224	10.9174224
DD	Diesel Gen kWh		\$181,554,076
EE	Total kWh, Gen, Purch Pwr, DG		533,584,342
FF	Sales kWh		501,014,891
GG = (DD / EE) x FF	Diesel kWh-sales		170,472,198
HH	Target Heat Rate		10,557
I11	Calculated Heat Rate (YTD subject to fossil risk, before deadband)		10,809
II	Recovery Heat Rate (YTD subject to fossil risk, after deadband)		10,757
JJ = BB/AA (YTD Column)	Actual Cost \$/MMbtu		12.9208139
KK = CC x HH x GG / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$19,647,812
LL = II x JJ x GG / 1,000,000	Fuel Filing Cost Recovery		\$23,693,794
MM = 0.02 x (LL-KK)	Diesel Cost Risk Sharing (with target heat rate)		\$80,920
FFF	Annual Cap (non-prorated)		\$600,000
GGG	# Days		365
HHH	Annual Cap (pro-rated, if applicable)		\$600,000
III = M + MM + E, up to cap	Total Fossil Fuel Cost Risk Sharing Adjustment, subject to cap		\$115,793
Non-Adjustable Component			
AAAA = F	YTD kWh under ECRC		501,014,891
BBBB	Non-Adjustable Component, cents/kWh		0.00135
CCCC	Non-Adjustable Component Revenues w/tax		\$6,764
DDDD	Non-Adjustable Component Revenues less tax		\$6,163

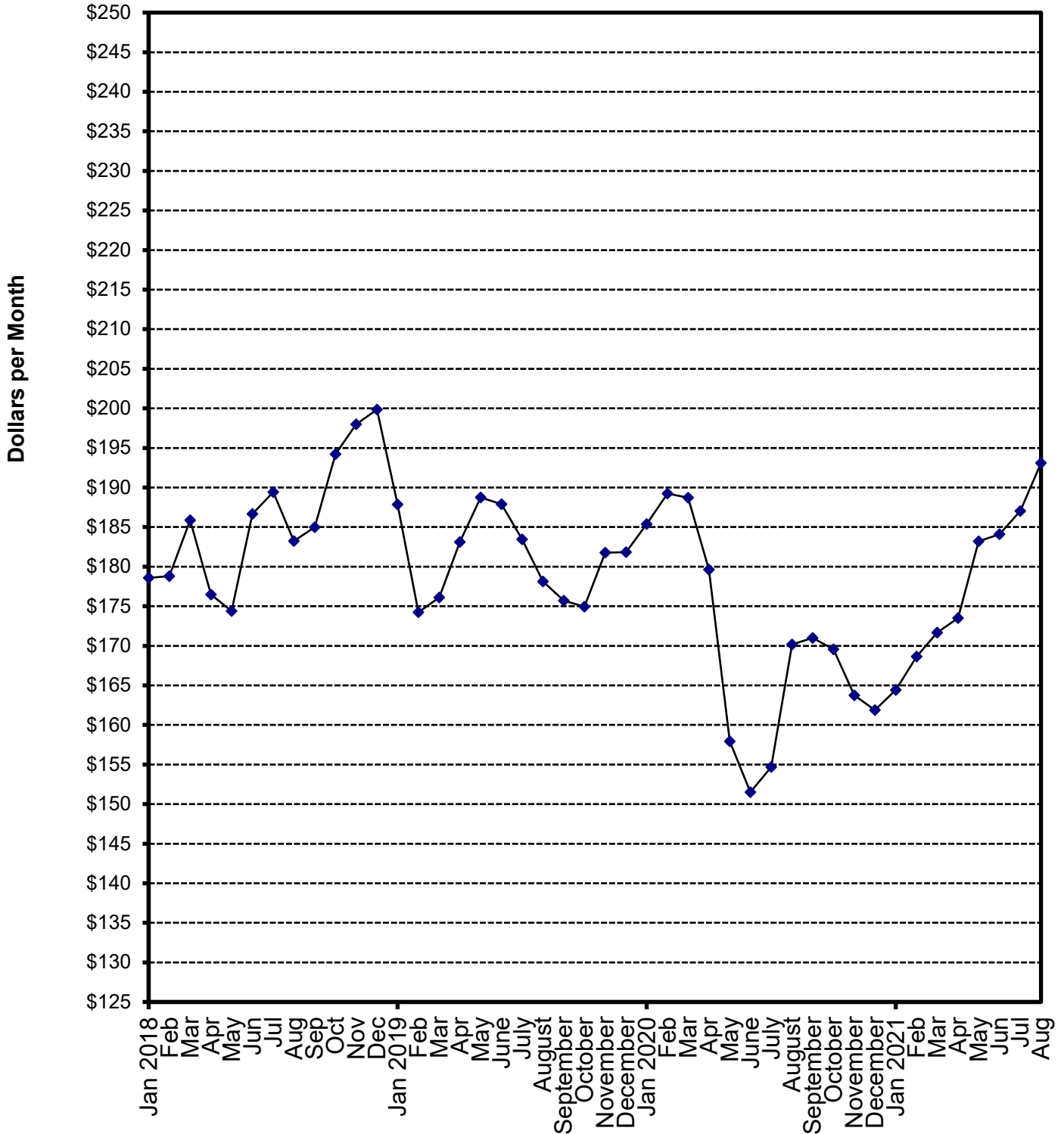
HAWAII ELECTRIC LIGHT COMPANY, INC.
2021 Cumulative Reconciliation Balance

<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 20					(642,633)	(673,144)	(5,060)
February	141,300	[4]	(9,952)	151,252	(47,100)	(45,511)	100,681
March					(47,100)	(46,650)	54,031
April					(47,100)	(40,115)	13,916
May	2,567,100	(1)	(28,472)	2,595,572	(855,700)	(882,167)	1,727,321
June					(855,700)	(879,772)	847,549
July					(855,700)	(862,349)	(14,800)
August	(359,300)	[2]	(43,554)	(315,746)	119,767	114,005	(216,541)
September					119,767	115,511	(101,030)
October					119,767	117,423	16,393
November	784,000	[3]	(16,667)	800,667	(261,333)	(266,872)	550,188
December					(261,333)	(262,859)	287,329
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		
August	(80,900)	[2]	45,882	(126,782)	26,967		

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, 2018	-0.723	178.59	213.95	
February 1, 2018	-0.579	178.81	214.22	
March 1, 2018	0.816	185.87	222.68	
April 1, 2018	-0.912	176.46	211.39	
May 1, 2018	-0.452	174.38	208.90	
June 1, 2018	2.301	186.65	223.63	
July 1, 2018	2.831	189.43	226.97	
August 1, 2018	1.665	183.25	219.55	
September 1, 2018	2.027	184.98	221.62	
October 1, 2018	8.359	194.21	232.50	
November 1, 2018	8.913	197.99	237.04	
December 1, 2018	9.292	199.86	239.29	
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	

**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	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2021-6/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2333 CENTS/KWH
6/1/2021	RBA RATE ADJUSTMENT	-0.0299 CENTS/KWH
7/1/2021	GREEN INFRASTRUCTURE FEE	1.19 DOLLARS/MONTH
7/1/2021-7/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4649 CENTS/KWH
7/1/2021	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	RESIDENTIAL DSM ADJUSTMENT	0.0893 CENTS/KWH

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

Calculations of the Average Residential Customer Bill

	Rate		Charge (\$) at 500 Kwh			
	7/01/21	8/01/21	7/01/21	8/01/21	Difference	
Base Rates	effective date:	11/01/2020	11/01/2020			
Base Fuel Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$73.74	\$73.74	\$0.00
First 300 kWh per month	¢/kwh	13.4059	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	16.7577	\$33.52	\$33.52	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$85.24	\$85.24	\$0.00
Interim Rate Adjustment 2019 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh	(0.0299)	(0.0299)	-\$0.15	-\$0.15	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.4649	2.4876	\$12.32	\$12.44	\$0.12
PBF Surcharge	¢/kwh	0.6478	0.6478	\$3.24	\$3.24	\$0.00
DSM Adjustment	¢/kwh	0.0000	0.0893	\$0.00	\$0.45	\$0.45
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	17.0400	18.1340	\$85.20	\$90.67	\$5.47
Green Infrastructure Fee	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 500 kwh				\$187.04	\$193.08	
				Increase (Decrease -)		\$6.04
				% Change	% Change	3.23%

	Rate		Charge (\$) at 600 Kwh			
	7/01/21	8/01/21	7/01/21	8/01/21	Difference	
Base Rates	effective date:	11/01/2020	11/01/2020			
Base Fuel/Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$90.49	\$90.49	\$0.00
First 300 kWh per month	¢/kwh	13.4059	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	16.7577	\$50.27	\$50.27	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$101.99	\$101.99	\$0.00
Interim Rate Adjustment 2019 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh	(0.0299)	(0.0299)	-\$0.18	-\$0.18	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.4649	2.4876	\$14.79	\$14.93	\$0.14
PBF Surcharge	¢/kwh	0.6478	0.6478	\$3.89	\$3.89	\$0.00
DSM Adjustment	¢/kwh	0.0000	0.0893	\$0.00	\$0.54	\$0.54
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	17.0400	18.1340	\$102.24	\$108.80	\$6.56
Green Infrastructure Fee	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 600 kwh				\$223.92	\$231.16	
				Increase (Decrease -)		\$7.24
				% Change	% Change	3.23%

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