



October 26, 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 November 2021

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") November 2021 Energy Cost Recovery factor is 19.470 cents per kilowatt-hour ("kWh"), an increase of 1.023 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$197.22, an increase of \$2.59 compared to rates effective October 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery factor (+\$5.11), partially offset by the decrease in the Purchased Power Adjustment Clause (-\$2.04) and the decrease in the DSM Adjustment (-\$0.48).

Hawai'i Electric Light's fuel composite cost of generation increased 29.08 cents per million BTU to 1,499.55 cents per million BTU. The composite cost of distributed generation remains at 0 cents per kWh. The composite cost of purchased energy increased 0.641 cents per kWh to 15.551 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 November 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 FACTOREFFECTIVE DATES

	<u>10/01/21</u>	<u>11/01/21</u>	<u>Change</u>
--	-----------------	-----------------	---------------

Composite Cost

Generation, ¢/mmbtu	1,470.47	1,499.55	29.08
Dispersed Generation Energy, ¢/kWh	0.00	0.000	0.000
Purchased Energy, ¢/kWh	14.910	15.551	0.641

Residential Schedule "R"

Energy Cost Recovery - ¢/kWh	18.447	19.470	1.023
------------------------------	--------	--------	-------

Others - "G,J,P,F"

Energy Cost Recovery - ¢/kWh	18.447	19.470	1.023
------------------------------	--------	--------	-------

## Residential Customer with:

500 KWH Consumption - \$/Bill	194.63	\$197.22	\$2.59
600 KWH Consumption - \$/Bill	233.01	\$236.14	\$3.13

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

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

Line		
1	Effective Date	November 1, 2021
2	Supersedes Factors of	October 1, 2021

**GENERATION COMPONENT**

<b>CENTRAL STATION WITH WIND/HYDRO COMPONENT</b>				<b>DG ENERGY COMPONENT</b>			
FUEL PRICES, ¢/mmbtu							
3							
4	Hill Industrial		1,318.00				
5	Puna Industrial		1,334.01				
6	Keahole Diesel		1,688.59				
6a	Keahole ULSD		1,560.01				
7	Waimea ULSD Diesel		1,534.06				
8	Hilo Diesel		1,624.68				
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		1,524.05				
9	Puna Diesel		1,625.12				
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		37.650				
14	Puna Industrial		12.143				
15	Keahole Diesel		45.470	38	BASE DG ENERGY COMPOSITE COST		0.000
15a	Keahole ULSD		0.202				
16	Waimea ULSD Diesel		0.332	39	Base % Input to System kWh Mix		0.00
17	Hilo Diesel		0.760	40	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39)		0.00000
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		0.113				
18	Puna Diesel		3.153	41	Cost Less Base (Line 37 - 40)		0.00000
19	Wind		0.000	42	Loss Factor		1.062
20	Hydro		0.178	43	Revenue Tax Req Multiplier		1.0975
			<b>100.00000</b>	44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)		0.00000
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		1,499.55				
22	% Input to System kWh Mix		39.954				
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	49.793	0.007301			
24	Diesel	0.010557	50.029	0.005282			
25	Other	0.012087	0.178	0.000022			
	(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)]			0.0126050			
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			7.55204			
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)			7.55204			
33	Revenue Tax Req Multiplier			1.0975			
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			8.28836			
				SUMMARY OF			
				TOTAL GENERATION FACTOR, ¢/kWh			
				45	Cntrl Stn+Wind/Hydro (line 34)		8.28836
				46	DG (line 44)		0.00000
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)		8.28836

<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 - November 1, 2021 (Page 2 of 2)

<b>PURCHASED ENERGY COMPONENT</b>		<b>Calculation of Monthly Fossil Fuel Cost Risk Sharing Component</b>	
Line		Line	
48	PURCHASED ENERGY PRICE, ¢/kWh -- Fossil HEP 21.162	94	<b>Baseline IFO</b> IFO \$, baseline month \$1,974,001
49	PURCHASED ENERGY PRICE, ¢/kWh -- Renewable PGV On Peak 16.630	95	IFO mmbtu, baseline 224,069
50	PGV Off Peak 15.815	96	Baseline IFO, ¢/mmbtu 880.98
51	PGV - Add'l 5 MW On Peak 13.450		<b>Baseline Diesel</b>
52	PGV - Add'l 5 MW Off Peak 13.450	97	Diesel \$, baseline month \$3,363,554
53	PGV - Add'l 8 MW On Peak 6.840	98	Diesel mmbtu, baseline 308,091
54	PGV - Add'l 8 MW Off Peak 6.840	99	Baseline Diesel, ¢/mmbtu 1,091.74
55	Wailuku Hydro On Peak 16.630		<b>Month IFO</b>
56	Wailuku Hydro Off Peak 15.815	100	IFO mmbtu, budget 207,956
57	Hawi Renewable Dev. On Peak 16.630	101	IFO Cost, ¢/mmbtu 1,321.90
58	Hawi Renewable Dev. Off Peak 15.815	102	IFO ECRC Fossil Cost \$2,748,984
59	Tawhiri (Pakini Nui) On Peak 14.050	103	IFO Base ECRC Recovery Target \$1,832,054
60	Tawhiri (Pakini Nui) Off Peak 13.420	104	IFO differential \$916,930
61	HEP Biodiesel 21.162		<b>Month Diesel</b>
62	Small Hydro (>100 KW) On Peak 16.630	105	Diesel mmbtu, budget 208,945
63	Small Hydro (>100 KW) Off Peak 15.815	106	Diesel Cost, ¢/mmbtu 1,681.70
63a	CBRE 15.000	107	Diesel ECRC Fossil Cost \$3,513,843
64	Sch Q Hydro (<100 KW) 15.860	108	Diesel Base ECRC Recovery Target \$2,281,146
65	FIT 23.800	109	Diesel differential \$1,232,697
	<b>PURCHASED ENERGY KWH MIX, %,</b>	110	Total Fossil \$2,149,627
66	HEP, Fossil 13.600	111	2% of above \$42,993
	<b>PURCHASED ENERGY KWH MIX, %, Renewable</b>	112	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year \$248,204
67	PGV On Peak 19.209	113	Maximum Annual Cap (bi-directional) \$600,000
68	PGV Off Peak 12.092	114	Number of Days in year from implementation 365
69	PGV - Add'l On Peak 3.842	115	Fossil Risk % Proration (based on 365 day year) 100.00%
70	PGV - Add'l Off Peak 2.745	116	Maximum Annual Cap (bi-directional) prorated \$600,000
71	PGV - Add'l 8 MW On Peak 5.768	117	Applicable Monthly Fossil Fuel Cost Risk Sharing \$42,993
72	PGV - Add'l 8 MW Off Peak 5.568	118	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$291,196
73	Wailuku Hydro On Peak 4.140		
74	Wailuku Hydro Off Peak 2.924	119	Fossil Cost Risk Sharing before taxes \$42,993
75	Hawi Renewable Dev. On Peak 4.146	120	Revenue Tax Adjustment 1,097,514
76	Hawi Renewable Dev. Off Peak 2.093	121	Fossil Cost Risk Sharing w/revenue tax \$47,185
77	Tawhiri (Pakini Nui) On Peak 10.480	122	Forecasted Month MWh Sales 82,065
78	Tawhiri (Pakini Nui) Off Peak 7.343	123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh -0.0575
79	HEP Biodiesel 5.111		
80	Small Hydro (>100 KW) On Peak 0.000	<b>Derivation of Non-Adjustable Component:</b>	
81	Small Hydro (>100 KW) Off Peak 0.000	93A	Ocean Cargo Insurance Exp, \$000 \$13.1
81a	CBRE 0.208		<small>HELCO-603, page 1, line 4</small>
82	Sch Q Hydro (<100 KW) 0.138	93B	Revenue Tax Adjustment 1,097,514
83	FIT 0.593	93C	Non-Adj Revenues, \$000 \$14.4
	100.000	93D	2019 TY Sales, MWh 1,061,718
83a	Comp. Cost Purchased Energy Fossil, ¢/kWh 21.1620		<small>HELCO-301</small>
83b	Comp. Cost Purchased Energy Renewable, ¢/kWh 14.6681	93E	Non-Adj Revenues, ¢/kWh 0.00135
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh 15.551		
85	% Input to System kWh Mix 60.046		
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 9.33775		
87	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh 0.000	<b>SYSTEM COMPOSITE</b>	
88	Base % Input to Sys kWh Mix 0.00	124	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) 19.17193
89	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88)) 0.00000	125	Fossil Fuel Cost Risk Sharing Component (Line 123) (0.057)
90	COST LESS BASE (Lines (86 - 89)) 9.33775	126	Non-Adjustable Component (Line 93E) 0.00135
91	Loss Factor 1.062	127	ECA Reconciliation Adjustment 0.354
92	Revenue Tax * 1.0975	128	ECA FACTOR, ¢/kWh (Lines (124 + 125 + 126 + 127)) 19.470
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92)) 10.88357		

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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	83.0340	83.0340
Land Transportation Cost - \$/BBL	--	1.0085
Industrial Costs For Filing - \$/BBL	83.0340	84.0425
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,318.00	1,334.01

**DIESEL FUEL COSTS:**

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	94.7785	94.7785	94.7785
Land Transportation Cost - \$/BBL	4.1727	0.4533	0.4278
Diesel Costs For Filing - \$/BBL	98.9513	95.2319	95.2064
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,688.59	1,625.12	1,624.68

**ULSD FUEL COSTS:**

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	85.0584	85.0584	85.0584	85.0584
Land Transportation Cost - \$/BBL	4.3301	2.8433	2.2694	-
ULSD Costs For Filing - \$/BBL	89.3885	87.9017	87.3278	85.0584
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,560.01	1,534.06	1,524.05	1,484.44

**Dispersed Generation, cents per kWh**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	0.0000
\$/BBI Inv Cost:	85.0584
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  
November 2021

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 09/30/2021	0	0.00	37,565	3,047,899.47			
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	(22,250)	(1,743,827.71)			
Actual	0	0.00	20,025	1,606,108.54			
Consumed: Estimate	0	0.00	19,967	1,613,141.61			
Actual	0	0.00	(20,544)	(1,659,757.66)			
Balance Per G/L 09/30/2021	0	0.00	34,763	2,863,564.25			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	25,126	1,974,475.87			
Consumed	0	0.00	(29,173)	(2,345,880.79)	106.5901	0.0000	106.5901
Balance @ 10/31/2021	0	0.00	30,716	2,492,159.34			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 10/31/2021	0	0.00	30,716	2,492,159.34			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,492,159.34)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,550,471.29			
Total @ 11/01/2021 Avg Price	0	0.00	30,716	2,550,471.29			

Weighted Avg Cost/BBL by Location #DIV/0! 81.1355

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 83.0340

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
November 2021

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 09/30/2021	6,554	531,742.81	9,801.54			
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	(10,684)	(849,560.29)	(14,052.77)			
Actual	12,536	1,035,284.31	16,562.38			
Consumed: Estimate	12,504	1,010,202.97	17,044.42			
Actual	<u>(12,219)</u>	<u>(987,177.71)</u>	<u>(20,019.35)</u>			
Balance Per G/L 09/30/2021	<u>8,691</u>	<u>740,492.09</u>	<u>9,336.22</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	8,692	708,671	11,432.67			
Consumed	(6,648)	<u>(534,583.88)</u>	(9,942.12)	80.4127	1.4955	81.9082
Balance @ 10/31/2021	<u>10,735</u>	<u>914,579.57</u>	<u>10,826.77</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>10,735</u>	<u>914,579.57</u>	<u>10,826.77</u>		<u>1.0085</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(914,579.57)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	891,369.62	XXXXXXXXXXXX			
Total @ 11/01/2021 Avg Price	<u>10,735</u>	<u>891,369.62</u>	<u>10,826.77</u>			
Weighted Avg Cost/BBL by Location		85.1960	1.0085			
Weighted Avg Cost/BBL @ Avg Cost		83.0340	1.0085			

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
November 2021

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT LT	TOTAL
Balance at 09/30/2021	53,816.0	2,260,271.0	5,031,674.3	206,211.2		
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		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx		
Actual		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx		
Transfers in: Estimate	(33,838.5)	(1,421,219.0)	(3,138,219.8)	(112,134.2)		
Actual	33,550.5	1,409,122.0	3,290,271.2	117,489.67		
Consumed: Estimate	23,969.2	1,006,706.0	2,277,615.3	82,500.68		
Actual	(24,058.0)	(1,010,437.0)	(2,511,280.7)	(60,676.5)	104.3843	
<b>Balance Per G/L 09/30/2021</b>	<b>53,439.1</b>	<b>2,244,443</b>	<b>4,950,060.28</b>	<b>233,390.83</b>	<b>92.6299</b>	
Purchases	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx		
Transfer out	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx		
Transfer in	22,880.4	960,977.0	2,154,310.8	75,821.1	94.1553	
Consumed	(27,129.3)	(1,139,430.0)	(2,524,399.9)	(103,953.56)	93.0507	3.8318
<b>Balance @ 10/31/2021</b>	<b>49,190.2</b>	<b>2,065,990</b>	<b>4,579,971.17</b>	<b>205,258.35</b>	<b>93.1073</b>	
Inventory From Offsite/Transfers	0.0	0.0	0.0	0.00		
Est'd Inventory Addition	0.0	0	0.0	0.00		
<b>Fuel Balance @ Avg Price</b>	<b>49,190.2</b>	<b>2,065,990</b>	<b>4,579,971.17</b>	<b>205,258.35</b>	<b>93.1073</b>	
Reverse Fuel Balance	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	(4,579,971.2)	xxxxxxxxxxxxxxx		
Fuel Balance @ Avg Price	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	4,662,177.9	xxxxxxxxxxxxxxx		
<b>Total @ 11/01/2021 Avg Price</b>	<b>49,190.2</b>	<b>2,065,990</b>	<b>4,662,177.89</b>	<b>205,258.35</b>	<b>94.7785</b>	

Weighted Avg Cost/BBL by Location	93.1073	4.1727
Weighted Avg Cost/BBL @ Avg Cost	94.7785	4.1727



**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
November 2021

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 09/30/2021	3,931.7	165,132.0	352,481.6	2,889.4			
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	(7,537.0)	(316,553.0)	(695,603.9)	(9,718.2)			
Actual	9,066.0	380,771.0	833,543.6	11,653.0			
Consumed: Estimate	8,503.2	357,135.0	807,997.7	12,283.2			
Actual	(9,180.8)	(385,592.0)	(855,354.7)	(25,946.6)			
Balance Per G/L 09/30/2021	4,783.2	200,893	443,064.25	(8,839.05)			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	19,529.5	820,241.0	1,899,160.3	25,181.4	97.2455		
Consumed	(18,896.5)	(793,653)	(1,758,333.2)	(13,886.99)	93.0507	0.7349	93.7856
Balance @ 10/31/2021	5,416.2	227,481	583,891.42	2,455.36	107.8043		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 10/31/2021	5,416.2	227,481	583,891.42	2,455.36	107.8043		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	(583,891.42)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	513,340.77	XXXXXXXXXXXXXXXXXX			
Total @ 11/01/2021 Avg Price	5,416.2	227,481	513,340.77	2,455.36	94.7785		

Weighted Avg Cost/BBL by Location 107.8043 0.4533

Weighted Avg Cost/BBL @ Avg Cost 94.7785 0.4533

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 09/30/2021	1764.9	74,126	164,825	1,767			
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	-1127.1	-47339.0	-104373.4	-1282.9			
Actual	943.4	39622.0	86637.8	855.1			
Consumed: Estimate	740.8	31114.0	70393.7	1102.0			
Actual	-559.6	-23503.0	-54234.1	-1687.5			
Balance Per G/L 09/30/2021	1762.4	74,020	163,249.17	753.97	92.6299		
Purchases	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer in	752.0	31585.0	73477.0	856.0	0.0000		
Consumed	-931.4	-39117.0	-86663.5	-932.6	93.0507	1.0014	94.0521
Balance @ 10/31/2021	1,583.0	66,488	150,062.75	677.30	94.7936		
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	1,583.0	66,488	150,062.75	677.30	94.7936		
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	-150,062.75	XXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	150,038.91	XXXXXXXXXX			
Total @ 11/01/2021 Avg Price	1,583.0	66,488	150,038.91	677.30	94.7785		
Weighted Avg Cost/BBL by Location			94.7936	0.4278			
Weighted Avg Cost/BBL @ Avg Cost			94.7785	0.4278			

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
November 2021

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 09/30/2021	2,209.1	92,781	183,168.84	8,799.69			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(17,635.80)	(629.62)			
Actual	377.2	15,844	34,951.79	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(136)	0.00	(10.73)			
Actual		(197)	0.00	1,250.09			
Consumed: Estimate	138.6	5,820	11,348.52	497.07			
Actual	(119.4)	(5,014)	(9,776.88)	608.36	81.8965		
Balance Per G/L 09/30/2021	2,407.6	101,118	202,056.47	10,514.86	83.9254		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	18,912.60	629.62			
Transfer in	2.5	103	0.00	8.13	0.00		
Consumed	(305.0)	(12,811)	(25,323.01)	(1,215.04)	83.0198	3.9834	87.0032
Balance @ 10/31/2021	2,295.0	96,390	195,646.06	9,937.56	85.2488		
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	2,295.0	96,390	195,646.06	9,937.56	85.2488		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(195,646.06)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	195,209.05	xxxxxxxxxxxx			
Total @ 11/01/2021 Avg Price	2,295.0	96,390	195,209.05	9,937.56	85.0584		

Weighted Avg Cost/BBL by Location

85.2488 4.3301

Weighted Avg Cost/BBL @ Avg Cost

85.0584 4.3301

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
November 2021

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 09/30/2021	699.0	29,356.0	57,395.1	1,954.56			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		0	0.00	0.00			
Actual		7,928.0	17,489.1	0.00			
Transfers out: Estimate		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Transfers in: Estimate	(0.2)	(9)	0.00	0.00			
Actual	(1.0)	(43)	0.00	520.87			
Consumed: Estimate	131.8	5,537	10,796.69	360.91			
Actual	(123.5)	(5,185)	(10,110.32)	(313.49)			
Balance Per G/L 09/30/2021	894.9	37,584	75,570.63	2,522.85	84.4499		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxxx	(93)	0.00	0.00	#DIV/0!		
Consumed	(324.2)	(13,618)	(26,918.18)	(906.70)	83.0198	2.7964	85.8162
Balance @ 10/31/2021	568.4	23,873	48,652.45	1,616.15	85.5947		
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	568.4	23,873	48,652.45	1,616.15	85.5947		
Reverse Fuel Balance	xxxxxxxxxxxxx	xxxxxxxxxxxxx	(48,652.45)	xxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxx	xxxxxxxxxxxxx	48,347.61	xxxxxxxxxxxxx			
Total @ 11/01/2021 Avg Price	568.4	23,873	48,347.61	1,616.15	85.0584		
Weighted Avg Cost/BBL by Location			85.5947	2.8433			
Weighted Avg Cost/BBL @ Avg Cost			85.0584	2.8433			

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 09/30/2021	1,286.1	54,016.0	107,647.9	1484.7
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(190.0)	(7,980)	(17,635.80)	(216.26)
Actual	188.6	7,922	17,475.90	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		0	0.00	0.00
Actual		(158)	0.00	428.78
Consumed: Estimate	97.9	4,110	8,014.16	105.42
Actual	(83.4)	(3,502)	(6,828.61)	986.85
Balance Per G/L 09/30/2021	1,295.4	54,408	108,673.51	2,789.53
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	0	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(134.8)	(5,662)	(11,191.86)	(155.63)
Balance @ 10/31/2021	1,160.6	48,746	97,481.65	2,633.90
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	1,160.6	48,746	97,481.65	2,633.90
Reverse Fuel Balance	x	x	(97,481.65)	x
Fuel Balance @ Avg Price	x	x	98,720.41	x
Total @ 11/01/2021 Avg Price	1,160.6	48,746	98,720.41	2,633.90

Weighted Avg Cost/BBL by Location

83.9911 2.2694

Weighted Avg Cost/BBL @ Avg Cost

85.0584 2.2694

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
November 2021

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 09/30/2021	128.1	5,379	10,615.48	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	(9.4)	(395)	(871.39)	
Actual	9.4	395	871.39	
Consumed: Estimate	6.3	263	512.83	
Actual	(7.8)	(326)	(322.32)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 09/30/2021	126.57	5,316	10,805.99	85.3747
Purchases	11.8	494	1,168.59	99.3538
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(24.8)	(1,040)	(2,055.73)	83.0198
Balance @ 10/31/2021	130.2	5,470	11,574.75	88.8738
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 10/31/2021	130.2	5,470	11,574.75	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(11,574.75)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	11,077.85	xxxx
Total @ 11/01/2021 Avg Price	130.2	5,470	11,077.85	85.0584

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

		November 1, 2021 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	16.630	6.560
PGV (22 MW)	- off peak	15.815	5.430
WAILUKU HYDRO	- on peak	16.630	7.240
	off peak	15.815	5.970
Other: (<100 KW)	Sch Q Rate	15.860	

		November 1, 2021 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		21.162	
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**  
November 1, 2021

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	\$794,600
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	\$264,867
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$290,695
5	Estimated MWh Sales (November 1, 2021)	82,065 mwh
6	Adjustment (Line 4 / Line 5)	0.354 ¢/kwh



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

<u>LINE</u>	<u>DESCRIPTION</u>	Info Only September 2021 YTD Total <u>No Deadband</u>	collectn by company*	Basis for Recon September 2021 YTD Total <u>Deadband</u>
	ACTUAL COSTS:			
1	Generation	\$57,166.0		\$57,166.0
2	Distributed Generation	\$9.8		\$9.8
3	Purch Power	\$62,917.5		\$62,917.5
4	TOTAL	\$120,093.3		\$120,093.3
	FUEL FILING COST			
5	Generation	\$54,077.4		\$54,863.8
6	Distributed Generation	\$9.8		\$9.8
7	Purch Power	\$62,917.5		\$62,917.5
8	TOTAL	\$117,004.8		\$117,791.2
	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	\$0.0		\$0.0
13	FUEL-BASE COST (Line 8-12)	\$117,004.8		\$117,791.2
14	ACTUAL FOA LESS TAX	\$116,103.4		\$116,103.4
15	Less: FOA reconciliation adj for prior year	-\$635.7		-\$635.7
15A	Less: Non-Adjustable Component Revenues Less Tax	\$9.5		\$9.5
16	ADJUSTED FOA LESS TAX	\$116,729.6		\$116,729.6
17	FOA-(FUEL-BASE) (Line 16-13)	-\$275.2	under	-\$1,061.6 under
	ADJUSTMENTS:			
18	Current year FOA accrual reversal	-\$761.4		-\$761.4
19	Other prior year FOA	\$0.0		\$0.0
20	Other	\$0.0		\$0.0
21	QUARTERLY FOA RECONCILIATION (Line 17+18+19+20)	-\$1,036.6	under	-\$1,823.0 under
21A	YTD Fossil Fuel Cost Risk Sharing Adjustment	\$240.0		\$240.0
21B	QUARTERLY FOA RECON w/Fossil Risk Adj (L21+L21A)	-\$796.6		-\$1,583.0 under
22	Second Quarter reconciliation			-788.3
23	FOA Reconciliation to be Returned or Collected			-794.6 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 September 30, 2021**

	Notes	YTD
<b><u>Industrial</u></b>		
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	121,624,923
Industrial Consumption (Recorded), MMBTU	b	1,866,435
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	15,346
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	<b>14,763</b>
<b><u>Diesel</u></b>		
Diesel Efficiency Factor (per D&O), BTU/kWh*	f	<b>10,557</b>
Diesel Deadband Definition, +/- BTU/kWh	d	<b>200</b>
Diesel Portion of Recorded Sales, MWh	a	237,293,366
Diesel Consumption (Recorded), MMBTU	b	2,647,648
Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	11,158
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	<b>10,757</b>
<b><u>Biodiesel</u></b>		
Biodiesel Efficiency Factor (per D&O), BTU/kWh*	f	0
Biodiesel Deadband Definition, +/- BTU/kWh	d	<b>100</b>
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	<b>0</b>
<b><u>Hydro</u></b>		
Hydro Efficiency Factor (per D&O), BTU/kWh*	f	12,087
Hydro Deadband Definition, +/- BTU/kWh	d	<b>100</b>
Hydro Portion of Recorded Sales, MWh	a	6,360,944
Hydro Consumption (Recorded), MMBTU	b	80,246
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	12,615
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	<b>12,187</b>

\* 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**

	<u>Without Deadband</u>	<u>With Deadband</u>
	<u>Jan 1 - Sept 30</u>	<u>As Filed</u>
	<u>Jan 1 - Sept 30</u>	<u>Jan 1 - Sept 30</u>
<b><u>INDUSTRIAL FUEL FILING COST</u></b>		
Industrial Portion of Recorded Sales , kWh	121,624,923	121,624,923
Industrial Efficiency Factor (mmbtu/kwh)	0.014663	0.014763
Mmbtu adjusted for Sales Efficiency Factor	1,783,386	1,795,549
\$/mmbtu	<u>\$11.0119</u>	<u>\$11.0119</u>
TOTAL INDUSTRIAL \$000s TO BE RECOVERED	\$19,638.402	\$19,772.334
<b><u>DIESEL FUEL FILING COST</u></b>		
Diesel Portion of Recorded Sales, kWh	237,293,366	237,293,366
Diesel Efficiency Factor (mmbtu/kwh)	0.014563	0.010757
Mmbtu adjusted for Sales Efficiency Factor	3,455,703	2,552,565
\$/mmbtu	<u>\$9.9659</u>	<u>\$13.7475</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$34,439.045	\$35,091.485
<b><u>HYDRO FUEL FILING COST</u></b>		
Hydro Portion of Recorded Sales , kWh	6,360,944	6,360,944
Hydro Efficiency Factor (mmbtu/kwh)	0.012087	0.012187
Mmbtu adjusted for Sales Efficiency Factor	76,885	77,521
\$/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	\$54,077.4	\$54,863.8
<b><u>CALCULATION OF GENERATION BASE FUEL COST</u></b>		
TOTAL GENERATION BASE FUEL COST, \$000s	\$0.0	\$0.0
TOTAL GENERATION FUEL FILING COST, \$000s YTD	\$54,077.4	\$54,863.8
TOTAL GENERATION BASE FUEL COST YTD	\$0.0	\$0.0

<b>Fossil Fuel Cost Risk Sharing Mechanism and Non-Adjustable Component,</b>			
<b>LSFO/IFO Fossil Fuel Cost Risk Sharing</b>			
		Baseline	YTD Subject to Fossil Risk
A	MMBtu	224,069	1,866,435
B	\$ cost, actuals	\$1,974,001	20,545,148
C = B / A (Baseline Column)	Baseline \$/mmbtu	8.809801	8.809801
D	IFO Gen kWh		129,795,824
E	Total kWh, Gen, Purch Pwr, DG		825,824,429
F	Sales kWh		773,770,848
G = (D / E) x F	IFO kWh-sales		121,614,500
H	Target Heat Rate		14,663
I1	Calculated Heat Rate (YTD subject to fossil risk, before deadband)		15,346
I	Recovery Heat Rate (YTD subject to fossil risk, after deadband)		14,763
J = B / A ytd	Actual Cost \$/MMbtu		11.0076975
K = C x H x G / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$15,709,932
L = I x J x G / 1,000,000	Fuel Filing Cost Recovery		\$19,763,164
<b>M = 0.02 x (L-K)</b>	<b>IFO Cost Risk Sharing</b>		<b>\$81,065</b>
<b>Diesel with target heat rate Fossil Fuel Cost Risk Sharing</b>			
AA	MMBtu	308,091	2,647,648
BB	\$ cost, actuals	3,363,554	36,620,819
CC = BB / AA (Baseline Column)	Baseline \$/mmbtu	10.9174224	10.9174224
DD	Diesel Gen kWh		252,992,497
EE	Total kWh, Gen, Purch Pwr, DG		825,824,429
FF	Sales kWh		773,770,848
GG = (DD / EE) x FF	Diesel kWh-sales		237,045,808
HH	Target Heat Rate		10,557
II1	Calculated Heat Rate (YTD subject to fossil risk, before deadband)		11,158
II	Recovery Heat Rate (YTD subject to fossil risk, after deadband)		10,757
JJ = BB/AA (YTD Column)	Actual Cost \$/MMbtu		13.8314513
KK = CC x HH x GG / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$27,320,769
LL = II x JJ x GG / 1,000,000	Fuel Filing Cost Recovery		\$35,268,842
<b>MM = 0.02 x (LL-KK)</b>	<b>Diesel Cost Risk Sharing (with target heat rate)</b>		<b>\$158,961</b>
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	<b>Total Fossil Fuel Cost Risk Sharing Adjustment, subject to cap</b>		<b>\$240,026</b>
<b>Non-Adjustable Component</b>			
AAAA = F	YTD kWh under ECRC		773,770,848
BBBB	Non-Adjustable Component, cents/kWh		0.00135
CCCC	Non-Adjustable Component Revenues w/tax		\$10,446
DDDD	Non-Adjustable Component Revenues less tax		<b>\$9,518</b>

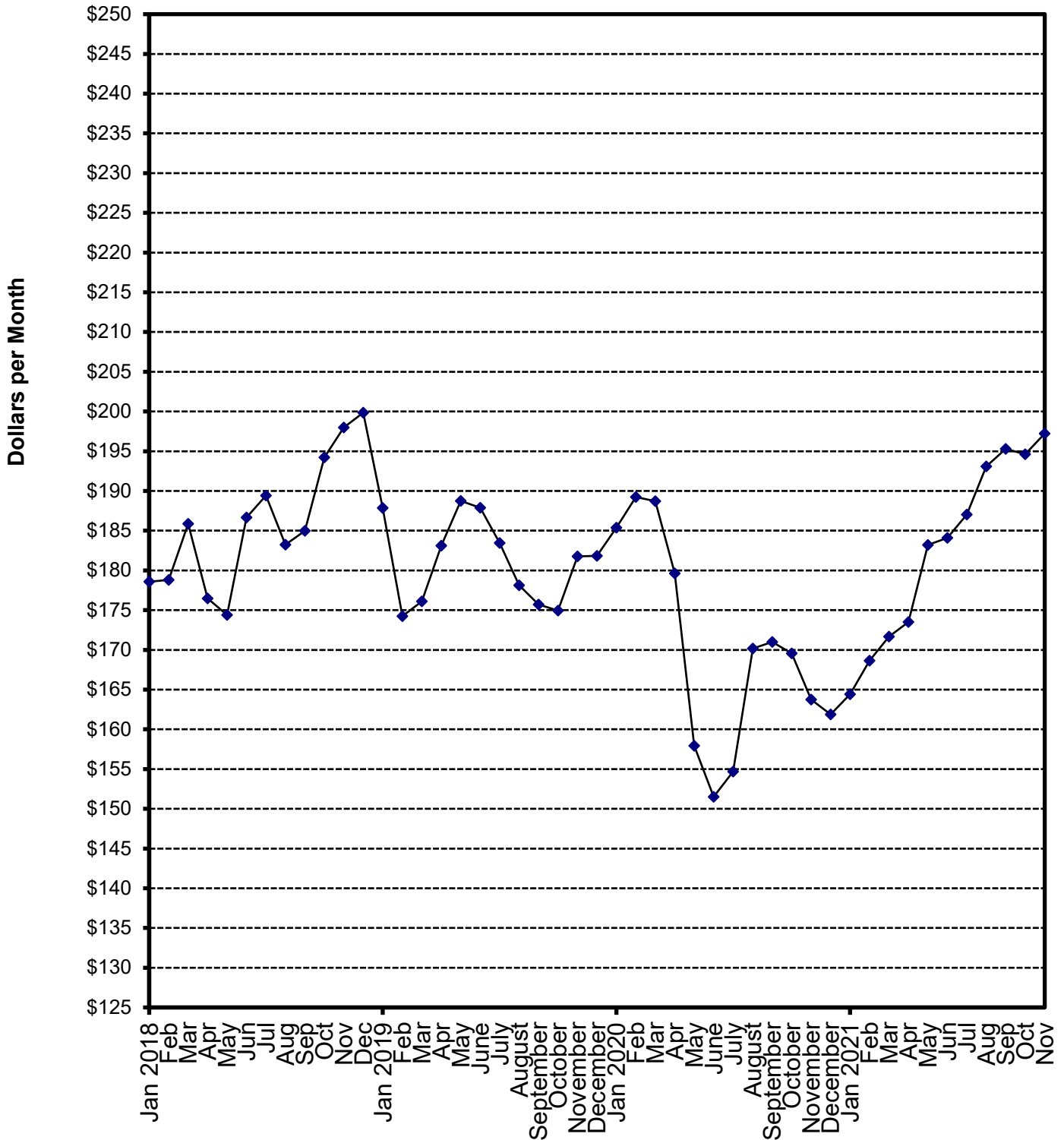
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2021 Cumulative Reconciliation Balance

<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	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		
November	(794,600)	[3]	21,130	(815,730)	264,867		

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 &amp; 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	
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	

**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
<b>5/1/2021</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
6/1/2021-6/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2333 CENTS/KWH
<b>6/1/2021</b>	<b>RBA RATE ADJUSTMENT</b>	<b>-0.0299 CENTS/KWH</b>
<b>7/1/2021</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.19 DOLLARS/MONTH</b>
7/1/2021-7/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4649 CENTS/KWH
<b>7/1/2021</b>	<b>RESIDENTIAL PBF SURCHARGE ADJUSTMENT</b>	<b>0.6478 CENTS/KWH</b>
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
<b>11/1/2021-11/30/2021</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.0761 CENTS/KWH</b>
<b>11/1/2021</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>-0.0051 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			
	10/01/21	11/01/21	10/01/21	11/01/21	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	(0.0299)	(0.0299)	-\$0.15	-\$0.15	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.4838	2.0761	\$12.42	\$10.38	-\$2.04
<b>PBF Surcharge</b>	¢/kwh	0.6478	0.6478	\$3.24	\$3.24	\$0.00
<b>DSM Adjustment</b>	¢/kwh	0.0893	(0.0051)	\$0.45	-\$0.03	-\$0.48
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	18.4470	19.4700	\$92.24	\$97.35	\$5.11
<b>Green Infrastructure Fee</b>	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
<b>Avg Residential Bill at 500 kwh</b>				\$194.63	\$197.22	
				Increase (Decrease -)		\$2.59
				% Change	% Change	1.33%

	Rate		Charge (\$) at 600 Kwh			
	10/01/21	11/01/21	10/01/21	11/01/21	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	(0.0299)	(0.0299)	-\$0.18	-\$0.18	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.4838	2.0761	\$14.90	\$12.46	-\$2.44
<b>PBF Surcharge</b>	¢/kwh	0.6478	0.6478	\$3.89	\$3.89	\$0.00
<b>DSM Adjustment</b>	¢/kwh	0.0893	(0.0051)	\$0.54	-\$0.03	-\$0.57
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	18.4470	19.4700	\$110.68	\$116.82	\$6.14
<b>Green Infrastructure Fee</b>	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
<b>Avg Residential Bill at 600 kwh</b>				\$233.01	\$236.14	
				Increase (Decrease -)		\$3.13
				% Change	% Change	1.34%

**From:** [puc@hawaii.gov](mailto:puc@hawaii.gov)  
**To:** [Phillipson, Yvonne](#)  
**Subject:** Hawaii PUC eFiling Confirmation of Filing  
**Date:** Tuesday, October 26, 2021 1:55:22 PM

---

**[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 2021 Oct 26 PM 13:50. 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 YVON21135008277. 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](mailto:hawaii.puc@hawaii.gov).