



July 29, 2020

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 2020

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Recovery factor for August 2020 is 14.389 cents per kilowatt-hour ("kWh"), an increase of 3.03 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$170.16, an increase of \$15.48 compared to rates effective July 1, 2020. The increase in the residential bill is due to the increase in the Energy Cost Recovery Factor (+\$15.15) and increase in the Purchased Power Adjustment clause (+\$0.33).

Hawai'i Electric Light's fuel composite cost of generation increased 59.79 cents per million BTU to 931.29 cents per million BTU. The composite cost of distributed generation decreased 1.33 cents per kWh to 13.929 cents per kWh. The composite cost of purchased energy increased 1.14 cents per kWh to 14.218 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 August 1, 2020.

Sincerely,

/s/ Sharon M. Suzuki
Sharon M. Suzuki
President
Maui County and Hawai'i Island Utilities

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>7/01/20</u>	<u>8/01/20</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	871.50	931.29	59.79
Dispersed Generation Energy, ¢/kWh	15.263	13.929	(1.33)
Purchased Energy, ¢/kWh	13.080	14.218	1.14
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	11.359	14.389	3.03
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	11.359	14.389	3.03
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$154.68	\$170.16	\$15.48
600 KWH Consumption - \$/Bill	\$185.07	\$203.65	\$18.58

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

ENERGY COST RECOVERY (ECR) FILING - August 1, 2020 (Page 1 of 2)

<u>Line</u>		
1	Effective Date	August 1, 2020
2	Supercedes Factors of	July 1, 2020

GENERATION COMPONENT

<u>CENTRAL STATION WITH WIND/HYDRO COMPONENT</u>						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		738.77			
5	Puna Industrial		759.90			
6	Keahole Diesel		1,011.36			
6a	Keahole ULSD		1,428.41			
7	Waimea ULSD Diesel		1,407.13			
8	Hilo Diesel		962.56			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,388.78			
9	Puna Diesel		982.26			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		22.501			
14	Puna Industrial		11.541			
15	Keahole Diesel		50.683			
15a	Keahole ULSD		1.160			
16	Waimea ULSD Diesel		0.847			
17	Hilo Diesel		2.728			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		1.804			
18	Puna Diesel		8.651			
19	Wind		0.000			
20	Hydro		0.085			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		931.29			
22	% Input to System kWh Mix		54.256			
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	0.014389	34.042	0.004898		
24	Diesel	0.010580	65.873	0.006969		
25	Other	0.011999	0.0850	0.000010		
			100.0000			
(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)						
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0118770		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			6.00122		
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)			6.00122		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			6.58634		
				<u>DG ENERGY COMPONENT</u>		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	13.929
				36	% Input to System kWh Mix	0.457
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.06365
				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)	0.06365
				42	Loss Factor	1.072
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.07489
				SUMMARY OF TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	6.58634
				46	DG (line 44)	0.07489
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	6.66123

¹ Hilo ULSD same location as Kanoelehua ULSD

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR August 1, 2020

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	46.5426	46.5426
Land Transportation Cost - \$/BBL	--	1.3314
Industrial Costs For Filing - \$/BBL	46.5426	47.8740
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	<u>738.77</u>	<u>759.90</u>

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	55.6370	55.6370	55.6370
Land Transportation Cost - \$/BBL	3.6286	1.9234	0.7691
Diesel Costs For Filing - \$/BBL	59.2656	57.5604	56.4061
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	<u>1,011.36</u>	<u>982.26</u>	<u>962.56</u>

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	77.8942	77.8942	77.8942	77.8942
Land Transportation Cost - \$/BBL	3.9535	2.7341	1.6830	-
ULSD Costs For Filing - \$/BBL	81.8478	80.6283	79.5772	77.8942
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	<u>1,428.41</u>	<u>1,407.13</u>	<u>1,388.78</u>	<u>1,359.41</u>

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	814.7169
\$/BBI Inv Cost:	77.8942
Fuel \$ (Prod Sim Consumption x Unit Cost)	63,461.76
Net kWh (from Prod Sim)	455,625
cents/kWh:	13.929

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 06/30/2020	0	0.00	40,277	1,946,271.38			
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	(37,863)	(1,688,098.32)			
Actual	0	0.00	33,999	1,592,855.75			
Consumed: Estimate	0	0.00	33,958	1,582,778.78			
Actual	0	0.00	(35,187)	(1,640,062.34)			
Balance Per G/L 06/30/2020	0	0.00	35,184	1,793,745.25			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	35,813	1,604,419.37			
Consumed	0	0.00	(39,140)	(1,801,715.11)	106.5901	0.0000	106.5901
Balance @ 07/31/2020	0	0.00	31,857	1,596,449.50			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 07/31/2020	0	0.00	31,857	1,596,449.50			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(1,596,449.50)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	1,482,707.11			
Total @ 08/01/2020 Avg Price	0	0.00	31,857	1,482,707.11			

Weighted Avg Cost/BBL by Location #DIV/0! 50.1130

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 46.5426

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL EXCLUDE LT LT		TOTAL
Balance at 06/30/2020	8,753	421,207.34	10,894.97			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers out: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(3,958)	(161,198.59)	(5,206.00)			
Actual	3,838	165,683.16	4,732.49			
Consumed: Estimate	4,323	201,494.57	5,747.62			
Actual	(4,322)	(201,447.96)	(5,052.52)			
Balance Per G/L 06/30/2020	<u>8,634</u>	<u>425,738.52</u>	<u>11,116.56</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	4,565	212,049	6,004.39			
Consumed	(5,218)	(240,197.99)	(6,494.91)	46.0326	1.2447	47.2773
Balance @ 07/31/2020	<u>7,981</u>	<u>397,589.04</u>	<u>10,626.04</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>7,981</u>	<u>397,589.04</u>	<u>10,626.04</u>		<u>1.3314</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(397,589.04)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	371,456.36	XXXXXXXXXXXXXXXXXXXX			
Total @ 08/01/2020 Avg Price	<u>7,981</u>	<u>371,456.36</u>	<u>10,626.04</u>			
Weighted Avg Cost/BBL by Location		49.8169	1.3314			
Weighted Avg Cost/BBL @ Avg Cost		46.5426	1.3314			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCLUD LT	BARREL LT	TOTAL
Balance at 06/30/2020	48,066.5	2,018,791.0	2,310,779.3	139,157.7			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	(7,000.6)	(294,026.0)	(348,630.8)	0.0			
Actual	6,973.7	292,897.0	350,779.1	0.0			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(46,003.1)	(1,932,129.0)	(2,206,121.5)	(130,805.1)			
Actual	44,865.2	1,884,339.0	2,116,925.7	159,296.73			
Consumed: Estimate	53,842.7	2,261,392.0	2,564,712.0	173,071.91			
Actual	(49,410.5)	(2,075,240.0)	(2,353,962.7)	(168,139.3)	47.6410		
Balance Per G/L 06/30/2020	51,333.9	2,156,024	2,434,481.06	172,581.98	47.4244		
Purchases	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	44,359.7	1,863,109.0	2,381,898.2	138,615.3	53.6950		
Consumed	(59,468.0)	(2,497,655.0)	(2,871,669.9)	(172,166.40)	48.2893	2.8951	51.1845
Balance @ 07/31/2020	38,315.7	1,609,258	2,048,791.38	139,030.89	53.4714		
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	38,315.7	1,609,258	2,048,791.38	139,030.89	53.4714		
Reverse Fuel Balance	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	(2,048,791.4)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	2,131,768.3	XXXXXXXXXXXXXXXXXX			
Total @ 08/01/2020 Avg Price	38,315.7	1,609,258	2,131,768.28	139,030.89	55.6370		

Weighted Avg Cost/BBL by Location

53.4714

3.6286

Weighted Avg Cost/BBL @ Avg Cost

55.6370

3.6286

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 06/30/2020	5,695.8	239,222.0	271,569.8	8,406.0			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(979.1)	(41,122.0)	(47,903.7)	(1,192.5)			
Actual	1,260.7	52,949.0	72,795.2	1,835.3			
Consumed: Estimate	871.7	36,613.0	41,523.9	1,194.3			
Actual	(1,268.3)	(53,270.0)	(75,843.6)	6,013.7			
Balance Per G/L 06/30/2020	5,580.8	234,392	262,141.58	16,256.75			
Purchases		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	12,725.4	534,467.0	757,472.5	15,499.5	59.5244		
Consumed	(7,717.6)	(324,140)	(372,678.80)	(11,389.99)	48.2893	1.4758	49.7652
Balance @ 07/31/2020	10,588.5	444,719	646,935.27	20,366.30	61.0976		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 07/31/2020	10,588.5	444,719	646,935.27	20,366.30	61.0976		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXXXX	(646,935.27)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXXXX	589,114.90	XXXXXXXXXXXXXXXXXXXX			
Total @ 08/01/2020 Avg Price	10,588.5	444,719	589,114.90	20,366.30	55.6370		

Weighted Avg Cost/BBL by Location

61.0976 1.9234

Weighted Avg Cost/BBL @ Avg Cost

55.6370 1.9234

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 06/30/2020	2109.7	88,607	100,551	2,324			
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	-402.4	-16901.0	-19540.7	-432.7			
Actual	402.4	16901.0	0.0	0.0			
Consumed: Estimate	34.2	1435.0	1627.5	40.4			
Actual	-30.0	-1262.0	16652.4	-35.5			
Balance Per G/L 06/30/2020	2113.8	88,780	99,290.63	1,896.45	46.9724		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX		
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX		
Transfer in	190.0	7980.0	11340.1	204.3	#DIV/0!		
Consumed	-988.9	-41534.0	-47753.6	-1089.5	48.2893	1.1017	49.3910
Balance @ 07/31/2020	1,314.9	55,226	62,877.14	1,011.26	47.8188		
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	1,314.9	55,226	62,877.14	1,011.26	47.8188		
Reverse Fuel Balance		XXXXXXXXXXXX	-62,877.14	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	73,157.34	XXXXXXXXXXXX			
Total @ 08/01/2020 Avg Price	1,314.9	55,226	73,157.34	1,011.26	55.6370		

Weighted Avg Cost/BBL by Location

47.8188 0.7691

Weighted Avg Cost/BBL @ Avg Cost

55.6370 0.7691

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 06/30/2020	1,998.8	83,949	176,426.69	7,426.33			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	0.0	0	0.00	0.00			
Actual	0.0	0	0.00	0.00			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate		(180)	0.00	(13.39)			
Actual		126	0.00	0.00			
Consumed: Estimate	63.6	2,673	5,725.58	222.15			
Actual	(42.3)	(1,775)	(3,802.06)	572.08	89.9642		
Balance Per G/L 06/30/2020	2,018.9	84,793	178,350.21	8,207.17	88.3411		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	380.0	15,960	16,119.60	1,187.42			
Transfer in	7.1	299	0.00	22.25	0.00		
Consumed	(400.3)	(16,811)	(34,165.56)	(1,487.14)	85.3580	3.7154	89.0734
Balance @ 07/31/2020	2,005.7	84,241	160,304.25	7,929.70	79.9228		
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	2,005.7	84,241	160,304.25	7,929.70	79.9228		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(160,304.25)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	156,235.46	XXXXXXXXXXXX			
Total @ 08/01/2020 Avg Price	2,005.7	84,241	156,235.46	7,929.70	77.8942		

Weighted Avg Cost/BBL by Location

79.9228 3.9535

Weighted Avg Cost/BBL @ Avg Cost

77.8942 3.9535

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 06/30/2020	844.1	35,452.0	74,417.1	2,437.76			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		0	0.00	0.00			
Actual		0.0	0.0	0.00			
Transfers out: Estimate		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers in: Estimate	(2.7)	(112)	0.00	0.00			
Actual	4.0	168	0.00	0.00			
Consumed: Estimate	35.6	1,495	3,202.30	103.04			
Actual	(50.5)	(2,119)	(4,538.91)	(146.05)			
Balance Per G/L 06/30/2020	830.6	34,884	73,080.52	2,394.75	87.9882		
ULSD Purchases	188.5	7,915	7,999.00	490.73	42.4457		
Estimated Purchases	190.0	7,980	8,064.69	494.76			
Transfer in	XXXXXXXXXXXXXX	(43)	0.00	0.00	#DIV/0!		
Consumed	(503.4)	(21,141)	(42,965.56)	(1,453.70)	85.3580	2.8880	88.2460
Balance @ 07/31/2020	704.6	29,595	46,178.65	1,926.54	65.5348		
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	704.6	29,595	46,178.65	1,926.54	65.5348		
Reverse Fuel Balance	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	(46,178.65)	XXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	54,887.63	XXXXXXXXXXXXXX			
Total @ 08/01/2020 Avg Price	704.6	29,595	54,887.63	1,926.54	77.8942		

Weighted Avg Cost/BBL by Location

65.5348 2.7341

Weighted Avg Cost/BBL @ Avg Cost

77.8942 2.7341

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 06/30/2020	1,035.9	43,509.0	79,903.9	1,271.6		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	(950.0)	(39,900)	(57,057.00)	(1,021.44)		
Actual	942.7	39,595	47,419.73	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate		17,295	19,540.72	442.75		
Actual		(17,069)	0.00	1,013.63		
Consumed: Estimate	67.1	2,817	7,597.75	(66.31)		
Actual	(61.1)	(2,566)	(5,496.38)	(58.37)		
Balance Per G/L 06/30/2020	1,040.0	43,681	91,908.70	1,581.84		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	380	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(198.0)	(8,314)	(7,597.75)	66.31	85.35800731	1.2275
Balance @ 07/31/2020	1,222.1	51,327	100,430.55	2,056.73		
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	1,222.1	51,327	100,430.55	2,056.73		
Reverse Fuel Balance	x	x	(100,430.55)	x		
Fuel Balance @ Avg Price	x	x	95,192.34	x		
Total @ 08/01/2020 Avg Price	1,222.1	51,327	95,192.34	2,056.73		

Weighted Avg Cost/BBL by Location 82.1806 1.6830

Weighted Avg Cost/BBL @ Avg Cost 77.8942 1.6830

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
July 2020

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 06/30/2020	112.0	4,705	9,901.87	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	8.6	362	775.41	
Actual	(11.2)	(472)	(1,011.03)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 06/30/2020	109.40	4,595	9,666.25	88.3531
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(12.8)	(536)	(1,089.33)	85.3580
Balance @ 07/31/2020	143.1	6,009	10,546.42	73.7144
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 07/31/2020	143.1	6,009	10,546.42	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(10,546.42)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	11,144.44	xxxx
Total @ 08/01/2020 Avg Price	143.1	6,009	11,144.44	77.8942

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR August 1, 2020

		<u>August 1, 2020</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	10.918	6.560
PGV (22 MW)	- off peak	11.094	5.430
WAILUKU HYDRO	- on peak	10.918	7.240
	off peak	11.094	5.970
Other: (<100 KW)	Sch Q Rate	10.650	
		<u>August 1, 2020</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		15.060	
PGV Addtl 5 MW	- on peak	13.250	0.0000
	- off peak	13.250	0.0000
PGV Addtl 8 MW	- on peak	10.100	0.0000
	- off peak	6.740	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
August 1, 2020

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	\$359,300
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	\$119,767
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$131,446
5	Estimated MWh Sales (August 1, 2020)	87,326 mwh
6	Adjustment (Line 4 / Line 5)	0.151 ¢/kwh

HAWAII ELECTRIC LIGHT COMPANY, INC.
2020 FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY
(Thousand \$)

LINE	DESCRIPTION	Info Only June 2020 YTD Total <u>No Deadband</u>	collectn by company*	Basis for Recon June 2020 YTD Total <u>Deadband</u>
ACTUAL COSTS:				
1	Generation	\$38,681.6		\$38,681.6
2	Distributed Generation	\$4.7		\$4.7
3	Purch Power	\$26,933.5		\$26,933.5
4	TOTAL	<u>\$65,619.8</u>		<u>\$65,619.8</u>
FUEL FILING COST				
5	Generation	\$39,201.0		\$38,788.4
6	Distributed Generation	\$4.7		\$4.7
7	Purch Power	\$26,933.5		\$26,933.5
8	TOTAL	<u>\$66,139.3</u>		<u>\$65,726.7</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)	\$66,139.3		\$65,726.7
14	ACTUAL FOA LESS TAX	\$65,445.0		\$65,445.0
15	Less: FOA reconciliation adj for prior year	-\$783.9		-\$783.9
15A	Less: Non-Adjustable Component Revenues Less Tax	\$5.9		\$5.9
16	ADJUSTED FOA LESS TAX	<u>\$66,223.0</u>		<u>\$66,223.0</u>
17	FOA-(FUEL-BASE) (Line 16-13)	\$83.8 over		\$496.4 over
ADJUSTMENTS:				
18	Current year FOA accrual reversal	\$1,711.4		\$1,711.4
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)	<u>\$1,795.2</u> over		<u>\$2,207.8</u> over
22	First Quarter reconciliation			2,567.1 over
23	FOA Reconciliation to be Returned or Collected			-359.3 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, 2020 to June 30, 2020**

	Notes	YTD
<u>Industrial</u>		
Industrial Efficiency Factor (per D&O), BTU/kWh*	f	14,389
Industrial Deadband Definition, +/- BTU/kWh	d	100
Industrial Portion of Recorded Sales, kWh	a	94,939,265
Industrial Consumption (Recorded), MMBTU	b	1,399,964
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	14,746
Lower limit of Industrial Deadband, BTU/kWh	e= f-d	14,289
Higher limit of Industrial Deadband, BTU/kWh	g=f+d	14,489
Industrial Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	14,489
<u>Diesel</u>		
Diesel Efficiency Factor (per D&O), BTU/kWh*	f	10,580
Diesel Deadband Definition, +/- BTU/kWh	d	200
Diesel Portion of Recorded Sales, MWh	a	185,084,795
Diesel Consumption (Recorded), MMBTU	b	1,897,869
Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	10,254
Lower limit of Diesel Deadband, BTU/kWh	e= f-d	10,380
Higher limit of Diesel Deadband, BTU/kWh	g=f+d	10,780
Diesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	10,380
<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	11,999
Hydro Deadband Definition, +/- BTU/kWh	d	100
Hydro Portion of Recorded Sales, MWh	a	4,428,299
Hydro Consumption (Recorded), MMBTU	b	52,170
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	11,781
Lower limit of Hydro Deadband, BTU/kWh	e= f-d	11,899
Higher limit of Hydro Deadband, BTU/kWh	g=f+d	12,099
Hydro Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	11,899

* 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
2020

	Without Deadband	With Deadband
	<u>Jan 1 -Jun 30</u>	<u>Jan 1 -Jun 30</u>
<u>INDUSTRIAL FUEL FILING COST</u>		
Industrial Portion of Recorded Sales , kWh	94,939,265	94,939,265
Industrial Efficiency Factor (mmbtu/kwh)	0.014389	0.014489
Mmbtu adjusted for Sales Efficiency Factor	1,366,081	1,375,575
\$/mmbtu	<u>\$9.2995</u>	<u>\$9.2995</u>
TOTAL INDUSTRIAL \$000s TO BE RECOVERED	\$12,703.928	\$12,792.217
<u>DIESEL FUEL FILING COST</u>		
Diesel Portion of Recorded Sales, kWh	185,084,795	185,084,795
Diesel Efficiency Factor (mmbtu/kwh)	0.010580	0.010380
Mmbtu adjusted for Sales Efficiency Factor	1,958,197	1,921,180
\$/mmbtu	<u>\$13.5314</u>	<u>\$13.5314</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$26,497.064	\$25,996.174
<u>HYDRO FUEL FILING COST</u>		
Hydro Portion of Recorded Sales , kWh	4,428,299	4,428,299
Hydro Efficiency Factor (mmbtu/kwh)	0.011999	0.011899
Mmbtu adjusted for Sales Efficiency Factor	53,135	52,692
\$/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	\$39,201.0	\$38,788.4
<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	\$39,201.0	\$38,788.4
TOTAL GENERATION BASE FUEL COST YTD	\$0.0	\$0.0

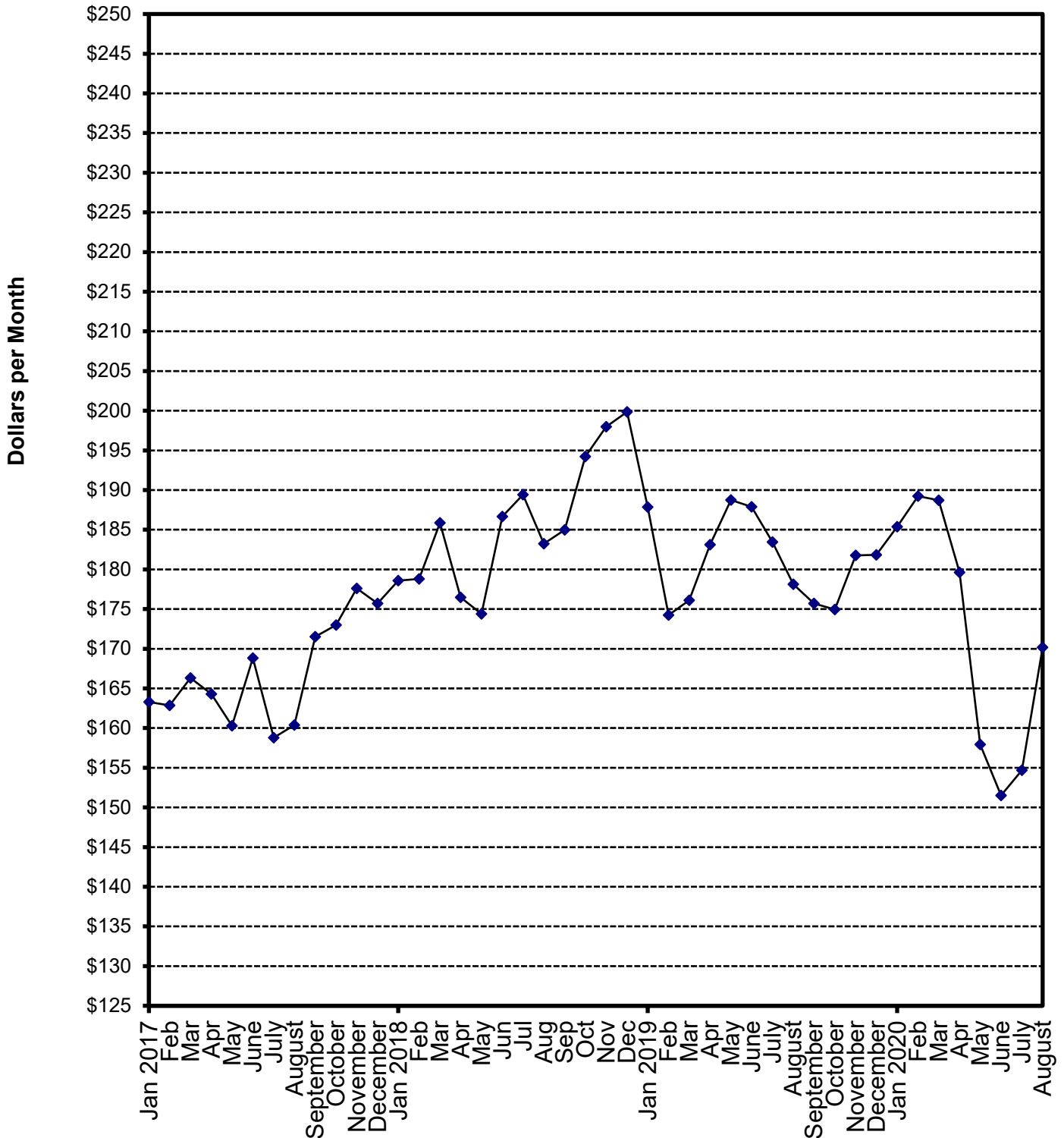
HAWAII ELECTRIC LIGHT COMPANY, INC.
2020 Cumulative Reconciliation Balance

<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 19					(305,667)	(300,243)	32,773
February	2,598,900	[4]	(8,054)	2,606,954	(866,300)	(800,636)	1,839,091
March					(866,300)	(825,091)	1,014,000
April					(866,300)	(829,484)	184,516
May	1,745,900	(1)	112,297	1,633,603	(581,967)	(565,304)	1,252,815
June					(581,967)	(585,631)	667,184
July					(581,967)	(586,240)	80,944
August	3,027,900	[2]	49,815	2,978,085	(1,009,300)	(1,025,775)	2,033,254
September					(1,009,300)	(1,026,151)	1,007,103
October					(1,009,300)	(1,007,209)	(106)
November	1,927,900	[3]	(37,599)	1,965,499	(642,633)	(651,308)	1,314,085
December 19					(642,633)	(646,001)	668,084
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)		
August	(359,300)	[2]	(43,554)	(315,746)	119,767		

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>	FUEL FACTOR CENTS / KWH		RESIDENTIAL BILL (\$)
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2017	-2.842	163.27	195.58
February 1, 2017	-2.956	162.87	195.09
March 1, 2017	-2.274	166.31	199.24
April 1, 2017	-2.425	164.31	196.83
May 1, 2017	-3.035	160.30	192.02
June 1, 2017	-1.343	168.82	202.25
July 1, 2017	-3.220	158.79	190.22
August 1, 2017	-3.643	160.39	192.15
September 1, 2017	-2.447	171.52	205.50
October 1, 2017	-2.131	172.97	207.23
November 1, 2017	-0.885	177.60	212.80
December 1, 2017	-1.405	175.02	209.69
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

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
1/1/2018 - 1/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.4105 CENTS/KWH
1/1/18-6/30/18	GREEN INFRASTRUCTURE FEE	1.3400 DOLLARS/MONTH
2/1/18-2/28/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3101 CENTS/KWH
3/1/18 - 3/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3258 CENTS/KWH
04/1/18-04/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3184 CENTS/KWH
04/1/18-04/30/18	SOLARSAVER ADJUSTMENT	-0.1464 CENTS/KWH
05/1/18-05/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3395 CENTS/KWH
05/1/18-05/31/18	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
5/1/2018	INTERIM RATE INCREASE 2016	2.5000 PERCENT ON BASE
06/01/18-06/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6729 CENTS/KWH
6/1/2018	RBA RATE ADJUSTMENT	1.0006 CENTS/KWH
07/01/18-07/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6811 CENTS/KWH
7/1/2018- 12/31/18	GREEN INFRASTRUCTURE FEE	1.2100 DOLLARS/MONTH
7/1/2018	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4658 CENTS/KWH
08/01/18-08/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6110 CENTS/KWH
09/01/18-09/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.5950 CENTS/KWH
10/01/18-10/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.8602 CENTS/KWH
10/1/2018	INTERIM RATE INCREASE 2016	0.0000 PERCENT ON BASE
10/1/2018	FINAL RATE INCREASE (TY 2016) 0.53% EFFECTIVE 10/01/18, DOCKET NO. 2015-0170	
11/1/2018-11/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.0617 CENTS/KWH
12/1/2018-12/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.0577 CENTS/KWH
1/1/2019-1/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	2.0548 CENTS/KWH
1/1/2019- 06/30/19	GREEN INFRASTRUCTURE FEE	1.3500 DOLLARS/MONTH
2/1/2019-2/28/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8113 CENTS/KWH
3/1/2019-3/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8372 CENTS/KWH
04/1/2019-4/30/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8247 CENTS/KWH
04/1/19-04/30/19	SOLARSAVER ADJUSTMENT	-0.0768 CENTS/KWH
05/01/2019-5/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9460 CENTS/KWH
05/01/2019- 03/31/2020	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/2019-6/30/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9474 CENTS/KWH
6/1/2019-12/31/2019	RBA RATE ADJUSTMENT	0.9069 CENTS/KWH
7/01/2019-7/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9539 CENTS/KWH
7/1/2019-12/31/2019	GREEN INFRASTRUCTURE FEE	1.1700 DOLLARS/MONTH
7/1/2019-12/31/2019	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4775 CENTS/KWH
8/1/2019-8/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0075 CENTS/KWH
9/1/2019-9/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0060 CENTS/KWH
10/1/2019-10/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0069 CENTS/KWH
11/1/2019-11/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	1.7616 CENTS/KWH
12/1/2019-12/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	1.7884 CENTS/KWH
1/1/2020-1/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7730 CENTS/KWH
1/1/2020-6/30/2020	GREEN INFRASTRUCTURE FEE	1.2500 DOLLARS/MONTH
1/1/2020- 05/31/2020	RBA RATE ADJUSTMENT	0.1852 CENTS/KWH
1/1/2020	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	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/2020-6/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8413 CENTS/KWH
6/1/2020	RBA RATE ADJUSTMENT	-0.4623 CENTS/KWH
07/01/2020-7/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8592 CENTS/KWH
7/1/2020	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5882 CENTS/KWH
7/1/2020	GREEN INFRASTRUCTURE FEE	1.1900 DOLLARS/MONTH
8/1/2020-8/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9261 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		
	7/01/20	8/01/20	7/01/20	8/01/20	Difference
Base Rates					
effective date:	2/1/2019	2/1/2019			
Base Fuel Energy Charge ¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge ¢/kwh			\$71.85	\$71.85	\$0.00
First 300 kWh per month ¢/kwh	13.0289	13.0289	\$39.09	\$39.09	\$0.00
Next 700 kWh per month ¢/kwh	16.3807	16.3807	\$32.76	\$32.76	\$0.00
Customer Charge \$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges			\$83.35	\$83.35	\$0.00
Interim Rate Adjustment 2019 TY					
% on base	4.0900%	4.0900%	\$3.41	\$3.41	\$0.00
RBA Rate Adjustment ¢/kwh	(0.4623)	(0.4623)	-\$2.31	-\$2.31	\$0.00
Purchased Power Adj. Clause ¢/kwh	1.8592	1.9261	\$9.30	\$9.63	\$0.33
PBF Surcharge ¢/kwh	0.5882	0.5882	\$2.94	\$2.94	\$0.00
DSM Adjustment ¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment ¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery ¢/kwh	11.3590	14.3890	\$56.80	\$71.95	\$15.15
Green Infrastructure Fee \$	1.1900	1.1900	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 500 kwh			\$154.68	\$170.16	
			Increase (Decrease -)		\$15.48
			% Change		10.01%

	Rate		Charge (\$) at 600 Kwh		
	7/01/20	8/01/20	7/01/20	8/01/20	Difference
Base Rates					
effective date:	2/1/2019	2/1/2019			
Base Fuel/Energy Charge ¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge ¢/kwh			\$88.23	\$88.23	\$0.00
First 300 kWh per month ¢/kwh	13.0289	13.0289	\$39.09	\$39.09	\$0.00
Next 700 kWh per month ¢/kwh	16.3807	16.3807	\$49.14	\$49.14	\$0.00
Customer Charge \$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges			\$99.73	\$99.73	\$0.00
Interim Rate Adjustment 2019 TY					
% on base	4.0900%	4.0900%	\$4.08	\$4.08	\$0.00
RBA Rate Adjustment ¢/kwh	(0.4623)	(0.4623)	-\$2.77	-\$2.77	\$0.00
Purchased Power Adj. Clause ¢/kwh	1.8592	1.9261	\$11.16	\$11.56	\$0.40
PBF Surcharge ¢/kwh	0.5882	0.5882	\$3.53	\$3.53	\$0.00
DSM Adjustment ¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment ¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery ¢/kwh	11.3590	14.3890	\$68.15	\$86.33	\$18.18
Green Infrastructure Fee \$	1.1900	1.1900	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 600 kwh			\$185.07	\$203.65	
			Increase (Decrease -)		\$18.58
			% Change		10.04%

From: puc@hawaii.gov
Sent: Wednesday, July 29, 2020 11:50 AM
To: Watanabe, Blaine
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 2020 Jul 29 AM 11:49. 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 BLAI20114936016. 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.