



June 26, 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 July 2020

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Recovery factor for July 2020 is 11.359 cents per kilowatt-hour ("kWh"), an increase of 0.78 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$154.68, an increase of \$3.17 compared to rates effective June 1, 2020. The increase in the residential bill is due to the increase in the Energy Cost Recovery Factor (+\$3.92) and increase in the Purchased Power Adjustment clause (+\$0.09), partially offset by the decrease in the Public Benefits Fund Surcharge (-\$0.78) and the decrease in the Green Infrastructure Fee (-\$0.06).

Hawai'i Electric Light's fuel composite cost of generation increased 31.93 cents per million BTU to 871.50 cents per million BTU. The composite cost of distributed generation decreased 0.82 cents per kWh to 15.263 cents per kWh. The composite cost of purchased energy increased 2.65 cents per kWh to 13.080 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 July 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>6/01/20</u>	<u>7/01/20</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	839.57	871.50	31.93
Dispersed Generation Energy, ¢/kWh	16.087	15.263	(0.82)
Purchased Energy, ¢/kWh	10.432	13.080	2.65
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	10.575	11.359	0.78
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	10.575	11.359	0.78
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$151.51	\$154.68	\$3.17
600 KWH Consumption - \$/Bill	\$181.25	\$185.07	\$3.82

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

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

<u>Line</u>		
1	Effective Date	July 1, 2020
2	Supersedes Factors of	June 1, 2020

**GENERATION COMPONENT**

<b><u>CENTRAL STATION WITH WIND/HYDRO COMPONENT</u></b>			
FUEL PRICES, ¢/mmbtu			
3			
4	Hill Industrial		730.68
5	Puna Industrial		750.43
6	Keahole Diesel		873.45
6a	Keahole ULSD		1,554.51
7	Waimea ULSD Diesel		1,540.07
8	Hilo Diesel		842.85
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		1,511.09
9	Puna Diesel		849.24
10	Wind		0.00
11	Hydro		0.00
BTU MIX, %			
12			
13	Hill Industrial		27.743
14	Puna Industrial		5.191
15	Keahole Diesel		45.233
15a	Keahole ULSD		1.474
16	Waimea ULSD Diesel		2.824
17	Hilo Diesel		4.366
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		3.056
18	Puna Diesel		10.052
19	Wind		0.000
20	Hydro		0.061
			100.000
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		871.50
22	% Input to System kWh Mix		70.736
EFFICIENCY FACTOR, mmbtu/kWh			
	(A)	(B)	(C)
			(D)
			Percent of
			Centrl Stn +
			Wind/Hydro
			Weighted
	Fuel Type	Eff Factor	Eff Factor
		mmbtu/kwh	
23	Industrial	0.014389	32.934
24	Diesel	0.010580	67.005
25	Other	0.011999	0.0610
			0.000007
			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)]		0.0118350
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))		7.29585
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)		7.29585
33	Revenue Tax Req Multiplier		1.0975
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))		8.00720

<b><u>DG ENERGY COMPONENT</u></b>		
35	COMPOSITE COST OF DG ENERGY, ¢/kWh	15.263
36	% Input to System kWh Mix	0.567
37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.08654
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)	0.08654
42	Loss Factor	1.072
43	Revenue Tax Req Multiplier	1.0975
44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.10182

SUMMARY OF		
TOTAL GENERATION FACTOR, ¢/kWh		
45	Cntrl Stn+Wind/Hydro (line 34)	8.00720
46	DG (line 44)	0.10182
47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	8.10902

<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 - July 1, 2020 (Page 2 of 2)

Line	<b>PURCHASED ENERGY COMPONENT</b>			
	PURCHASED ENERGY PRICE, ¢/kWh -- Fossil			
48	HEP		14.199	
	PURCHASED ENERGY PRICE, ¢/kWh -- Renewable			
49	PGV	On Peak	10.190	
50	PGV	Off Peak	10.249	
51	PGV - Add'l 5 MW	On Peak	13.250	
52	PGV - Add'l 5 MW	Off Peak	13.250	
53	PGV - Add'l 8 MW	On Peak	10.100	
54	PGV - Add'l 8 MW	Off Peak	6.740	
55	Wailuku Hydro	On Peak	10.190	
56	Wailuku Hydro	Off Peak	10.249	
57	Hawi Renewable Dev.	On Peak	10.190	
58	Hawi Renewable Dev.	Off Peak	10.249	
59	Tawhiri (Pakini Nui)	On Peak	13.120	
60	Tawhiri (Pakini Nui)	Off Peak	12.800	
61	HEP Biodiesel		14.199	
62	Small Hydro (>100 KW)	On Peak	10.190	
63	Small Hydro (>100 KW)	Off Peak	10.249	
64	Sch Q Hydro (<100 KW)		9.880	
65	FIT		23.800	
	PURCHASED ENERGY KWH MIX, %, Fossil			
66	HEP, Fossil		30.390	
	PURCHASED ENERGY KWH MIX, %, Renewable			
67	PGV	On Peak	0.000	
68	PGV	Off Peak	0.000	
69	PGV - Add'l	On Peak	0.000	
70	PGV - Add'l	Off Peak	0.000	
71	PGV - Add'l 8 MW	On Peak	0.000	
72	PGV - Add'l 8 MW	Off Peak	0.000	
73	Wailuku Hydro	On Peak	4.144	
74	Wailuku Hydro	Off Peak	3.075	
75	Hawi Renewable Dev.	On Peak	8.519	
76	Hawi Renewable Dev.	Off Peak	4.320	
77	Tawhiri (Pakini Nui)	On Peak	22.850	
78	Tawhiri (Pakini Nui)	Off Peak	14.584	
79	HEP Biodiesel		10.755	
80	Small Hydro (>100 KW)	On Peak	0.000	
81	Small Hydro (>100 KW)	Off Peak	0.000	
82	Sch Q Hydro (<100 KW)		0.000	
83	FIT		1.363	
			100.000	
83a	Comp. Cost Purchased Energy Fossil, ¢/kWh		14.1990	
83b	Comp. Cost Purchased Energy Renewable, ¢/kWh		12.5908	
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		13.080	
85	% Input to System kWh Mix		28.697	
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		3.75357	
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))		3.75357	
91	Loss Factor		1.072	
92	Revenue Tax *		1.0975	
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		4.41615	
	Derivation of Non-Adjustable Component:			
	93A	Ocean Cargo Insurance Exp, \$000		\$13.1
		HELCO-603, page 1, line 4		
	93B	Revenue Tax Adjustment		1.097514
	93C	Non-Adj Revenues, \$000		\$14.4
	93D	2019 TY Sales, MWh		1,061,718
		HELCO-301		
	93E	Non-Adj Revenues, ¢/kWh		0.00135
	<b>Line</b>	<b>SYSTEM COMPOSITE</b>		
	94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	12.52517	
	95	Not Used	0.000	
	96	Non-Adjustable Component	0.00135	
	97	ECA Reconciliation Adjustment	(1.168)	
	98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	11.359	

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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	46.0326	46.0326
Land Transportation Cost - \$/BBL	--	1.2447
Industrial Costs For Filing - \$/BBL	46.0326	47.2773
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	730.68	750.43

**DIESEL FUEL COSTS:**

	KEAHOLE	PUNA CT-3	HILO
Average Diesel Fuel Cost - \$/BBL	48.2893	48.2893	48.2893
Land Transportation Cost - \$/BBL	2.8951	1.4758	1.1017
Diesel Costs For Filing - \$/BBL	51.1845	49.7652	49.3910
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	873.45	849.24	842.85

**ULSD FUEL COSTS:**

	KEAHOLE	WAIMEA	HILO	DISPERSED GENERATION
Average ULSD Fuel Cost - \$/BBL	85.3580	85.3580	85.3580	85.3580
Land Transportation Cost - \$/BBL	3.7154	2.8880	1.2275	-
ULSD Costs For Filing - \$/BBL	89.0734	88.2460	86.5855	85.3580
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,554.51	1,540.07	1,511.09	1,489.67

**Dispersed Generation, cents per kWh**

	COMPOSITE COST OF DISP. GEN.
BBIs Fuel:	991.7418
\$/BBI Inv Cost:	85.3580
Fuel \$ (Prod Sim Consumption x Unit Cost)	84,653.11
Net kWh (from Prod Sim)	554,625
cents/kWh:	15.263

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 05/31/2020	0	0.00	43,853	2,302,701.98			
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	(26,709)	(1,159,453.16)			
Actual	0	0.00	21,964	1,032,745.37			
Consumed: Estimate	0	0.00	21,892	1,137,637.63			
Actual	0	0.00	<u>(24,628)</u>	<u>(1,472,679.98)</u>			
Balance Per G/L 05/31/2020	<u>0</u>	<u>0.00</u>	<u>36,372</u>	<u>1,840,951.84</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	37,863	1,688,098.32			
Consumed	<u>0</u>	<u>0.00</u>	<u>(33,958)</u>	<u>(1,582,778.78)</u>	106.5901	0.0000	106.5901
Balance @ 06/30/2020	0	0.00	40,277	1,946,271.38			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 06/30/2020	<u>0</u>	<u>0.00</u>	<u>40,277</u>	<u>1,946,271.38</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(1,946,271.38)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	1,854,054.16			
Total @ 07/01/2020 Avg Price	<u>0</u>	<u>0.00</u>	<u>40,277</u>	<u>1,854,054.16</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 48.3222

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 46.0326

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2020

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 05/31/2020	7,055	318,788.24	9,379.94			
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	(8,431)	(367,873.78)	(11,089.38)			
Actual	7,736	366,870.29	10,021.35			
Consumed: Estimate	10,174	528,701.13	10,263.34			
Actual	<u>(7,416)</u>	<u>(384,982.56)</u>	<u>(7,138.66)</u>			
Balance Per G/L 05/31/2020	<u>9,118</u>	<u>461,503.32</u>	<u>11,436.59</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	3,958	161,199	5,206.00			
Consumed	(4,323)	<u>(201,494.57)</u>	(5,747.62)	46.6099	1.3295	47.9394
Balance @ 06/30/2020	<u>8,753</u>	<u>421,207.34</u>	<u>10,894.97</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>8,753</u>	<u>421,207.34</u>	<u>10,894.97</u>		<u>1.2447</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(421,207.34)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	402,923.16	XXXXXXXXXXXX			
Total @ 07/01/2020 Avg Price	<u>8,753</u>	<u>402,923.16</u>	<u>10,894.97</u>			

Weighted Avg Cost/BBL by Location

48.1215

1.2447

Weighted Avg Cost/BBL @ Avg Cost

46.0326

1.2447

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2020

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCLUD LT	BARREL LT	TOTAL
Balance at 05/31/2020	45,779.4	1,922,735.0	2,159,632.5	147,153.4			
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		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(48,656.0)	(2,043,553.0)	(2,339,314.9)	(138,348.5)			
Actual	51,840.8	2,177,314.0	2,468,525.2	158,585.54			
Consumed: Estimate	56,756.1	2,383,756.0	3,375,800.1	176,104.88			
Actual	(56,814.9)	(2,386,224.0)	(3,343,904.0)	(162,070.7)	58.8562		
Balance Per G/L 05/31/2020	48,905.4	2,054,028	2,320,738.94	181,424.50	47.4536		
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	46,003.1	1,932,129.0	2,206,121.5	130,805.1	47.9560		
Consumed	(53,842.7)	(2,261,392.0)	(2,564,712.0)	(173,071.91)	47.6335	3.2144	50.8479
Balance @ 06/30/2020	48,066.5	2,018,791	2,310,779.25	139,157.72	48.0747		
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	48,066.5	2,018,791	2,310,779.25	139,157.72	48.0747		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	(2,310,779.3)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	2,321,097.7	XXXXXXXXXXXXXXXXXXXX			
Total @ 07/01/2020 Avg Price	48,066.5	2,018,791	2,321,097.69	139,157.72	48.2893		

Weighted Avg Cost/BBL by Location

48.0747

2.8951

Weighted Avg Cost/BBL @ Avg Cost

48.2893

2.8951



**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2020

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 05/31/2020	6,453.5	271,049.0	352,742.5	8,841.2			
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	(1,862.1)	(78,207.0)	(80,669.6)	(2,064.7)			
Actual	1,006.6	42,276.0	49,830.8	1,376.3			
Consumed: Estimate	1,286.8	54,047.0	76,539.7	1,672.7			
Actual	(1,296.5)	(54,452.0)	(133,253.4)	(1,417.8)			
Balance Per G/L 05/31/2020	5,588.4	234,713	265,189.96	8,407.77			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	979.1	41,122.0	47,903.7	1,192.5	48.9265		
Consumed	(871.7)	(36,613)	(41,523.89)	(1,194.26)	47.6335	1.3700	49.0034
Balance @ 06/30/2020	5,695.8	239,222	271,569.77	8,406.05	47.6793		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 06/30/2020	5,695.8	239,222	271,569.77	8,406.05	47.6793		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	(271,569.77)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	275,044.63	XXXXXXXXXXXXXXXXXX			
Total @ 07/01/2020 Avg Price	5,695.8	239,222	275,044.63	8,406.05	48.2893		

Weighted Avg Cost/BBL by Location 47.6793 1.4758

Weighted Avg Cost/BBL @ Avg Cost 48.2893 1.4758

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 05/31/2020	1736.7	72,943	102,989	2,054			
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	0.0	0.0	0.0	0.0			
Actual	-1.0	-42.0	0.0	0.0			
Consumed: Estimate	44.6	1874.0	2653.9	51.8			
Actual	-38.9	-1634.0	-23005.0	-173.5			
Balance Per G/L 05/31/2020	1741.5	73,141	82,638.20	1,931.98	47.4536		
Purchases		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx		
Transfer out		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx		
Transfer in	402.4	16901.0	19540.7	432.7	#DIV/0!		
Consumed	-34.2	-1435.0	-1627.5	-40.4	47.6335	1.1825	48.8160
Balance @ 06/30/2020	2,109.7	88,607	100,551.44	2,324.24	47.6617		
Inven From Offsite/Transfers	0.0	0.0	0.0	0.0			
Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Fuel Balance @ Avg Price	2,109.7	88,607	100,551.44	2,324.24	47.6617		
Reverse Fuel Balance		xxxxxxxxxxxx	xxxxxxxxxxxx -100,551.44	xxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxx	xxxxxxxxxxxx 101,875.58	xxxxxxxxxxxx			
Total @ 07/01/2020 Avg Price	2,109.7	88,607	101,875.58	2,324.24	48.2893		
Weighted Avg Cost/BBL by Location			47.6617	1.1017			
Weighted Avg Cost/BBL @ Avg Cost			48.2893	1.1017			

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2020

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 05/31/2020	2,062.6	86,629	182,235.98	7,199.79			
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	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		90	0.00	6.09			
Actual		57	0.00	0.00			
Consumed: Estimate	32.6	1,370	2,955.91	120.68			
Actual	(40.6)	(1,704)	(3,039.62)	308.53	74.9202		
Balance Per G/L 05/31/2020	2,058.1	86,442	182,152.27	7,635.09	88.5032		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	4.3	180	0.00	13.39	0.00		
Consumed	(63.6)	(2,673)	(5,725.58)	(222.15)	89.9642	3.4906	93.4548
Balance @ 06/30/2020	1,998.8	83,949	176,426.69	7,426.33	88.2669		
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	1,998.8	83,949	176,426.69	7,426.33	88.2669		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(176,426.69)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	170,612.37	xxxxxxxxxxxx			
Total @ 07/01/2020 Avg Price	1,998.8	83,949	170,612.37	7,426.33	85.3580		

Weighted Avg Cost/BBL by Location

88.2669      3.7154

Weighted Avg Cost/BBL @ Avg Cost

85.3580      3.7154

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2020

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 05/31/2020	877.4	36,851.0	74,282.1	2,540.00			
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		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(0.2)	(9)	0.00	0.00			
Actual	(0.5)	(19)	0.00	0.00			
Consumed: Estimate	45.6	1,914	4,129.64	129.30			
Actual	(45.3)	(1,902)	(792.29)	(128.49)			
Balance Per G/L 05/31/2020	877.0	36,835	77,619.43	2,540.80	88.5032		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxx	112	0.00	0.00	#DIV/0!		
Consumed	(35.6)	(1,495)	(3,202.30)	(103.04)	89.9642	2.8949	92.8591
Balance @ 06/30/2020	844.1	35,452	74,417.13	2,437.76	88.1620		
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	844.1	35,452	74,417.13	2,437.76	88.1620		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(74,417.13)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	72,050.29	xxxxxxxxxxxx			
Total @ 07/01/2020 Avg Price	844.1	35,452	72,050.29	2,437.76	85.3580		

Weighted Avg Cost/BBL by Location

88.1620 2.8880

Weighted Avg Cost/BBL @ Avg Cost

85.3580 2.8880

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 05/31/2020	558.6	23,460.0	56,616.1	533.7		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	0.0	0	0.00	0.00		
Actual	0.0	0	0.00	0.00		
Transfers out: Estimate		x	x	x		
Actual		x	x	x		
Transfers in: Estimate		0	0.00	0.00		
Actual		0	0.00	0.00		
Consumed: Estimate	66.2	2,781	967.04	26.58		
Actual	(60.0)	(2,520)	(7,597.75)	66.31		
Balance Per G/L 05/31/2020	564.8	23,721	49,985.35	626.58		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	950	-	-	-		
Transfer in	(412)	(17,295)	(19,540.72)	(442.75)		
Consumed	(67.1)	(2,817)	(7,597.75)	66.31	89.96417074	0.9554
Balance @ 06/30/2020	1,035.9	43,509	79,903.88	1,271.58		
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	1,035.9	43,509	79,903.88	1,271.58		
Reverse Fuel Balance	x	x	(79,903.88)	x		
Fuel Balance @ Avg Price	x	x	88,424.80	x		
Total @ 07/01/2020 Avg Price	1,035.9	43,509	88,424.80	1,271.58		

Weighted Avg Cost/BBL by Location

77.1326 1.2275

Weighted Avg Cost/BBL @ Avg Cost

85.3580 1.2275

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2020

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 05/31/2020	121.3	5,094	12,523.33	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	5.1	215	463.88	
Actual	(5.8)	(242)	(2,309.93)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 05/31/2020	120.64	5,067	10,677.28	88.5032
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(8.6)	(362)	(775.41)	89.9642
Balance @ 06/30/2020	112.0	4,705	9,901.87	88.3908
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 06/30/2020	112.0	4,705	9,901.87	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(9,901.87)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	9,562.13	xxxx
Total @ 07/01/2020 Avg Price	112.0	4,705	9,562.13	85.3580

**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
**CONTRACT PRICES EFFECTIVE June 1, 2020**

TYPE OF OIL BURNED

<b>INDUSTRIAL *</b>	<u>Hill Industrial</u>		<u>Puna Industrial</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	42.84	2.6984	42.84	2.6984
Ocean Transportation	47.55	2.9960	47.55	2.9960
Storage	35.24	2.2199	35.24	2.2199
Wharfage	6.35	0.4000	6.35	0.4000
Fees <sup>2</sup>	1.43	0.0900	1.43	0.0900
	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
<b>DIESEL *</b>	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	58.03	3.4001	58.03	3.4001
Ocean Transportation	51.13	2.9960	51.13	2.9960
Storage	29.31	1.7173	29.31	1.7173
Wharfage	6.83	0.4000	6.83	0.4000
Fees <sup>2</sup>	1.54	0.0900	1.54	0.0900
	<u>Kona Diesel</u>		<u>CT3 Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	58.03	3.4001	58.03	3.4001
Ocean Transportation	51.13	2.9960	51.13	2.9960
Storage	29.31	1.7173	29.31	1.7173
Wharfage	6.83	0.4000	6.83	0.4000
Fees <sup>2</sup>	1.54	0.0900	1.54	0.0900
	<u>ULSD</u>			
<b>ULSD **</b>	<u>¢/MBTU</u>	<u>\$/BBL</u>		
Tax <sup>1</sup>	64.63	3.7036		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		
Fees <sup>2</sup>	1.57	0.0900		

<sup>1</sup> Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST Tax and Environmental Response Tax.

Federal Oil Spill Recovery Fee reinstated as of January 2020.

HGET rate changed to 4.7120% in 2020.

<sup>2</sup> With the change in supplier to PAR some fees have been taken off the pricing sheet.

inventory, contract prices for the current month are being provided.

Contract prices are considered accurate pending actual delivery of fuel.

\* Land Transportation Costs are shown in Attachment 3, Sheet 1.

\*\* ULSD includes Waimea, Kanoelehua, and Keahole.

Reference: Decision and Order No. 16134, Docket No. 96-0040.

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

		<u>July 1, 2020</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	10.190	6.560
PGV (22 MW)	- off peak	10.249	5.430
WAILUKU HYDRO	- on peak	10.190	7.240
	off peak	10.249	5.970
Other: (<100 KW)	Sch Q Rate	9.880	
		<u>July 1, 2020</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		14.199	
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**  
July 1, 2020

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$2,567,100)
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	(\$855,700)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$939,143)
5	Estimated MWh Sales (July 1, 2020)	80,383 mwh
6	Adjustment (Line 4 / Line 5)	(1.168) ¢/kwh

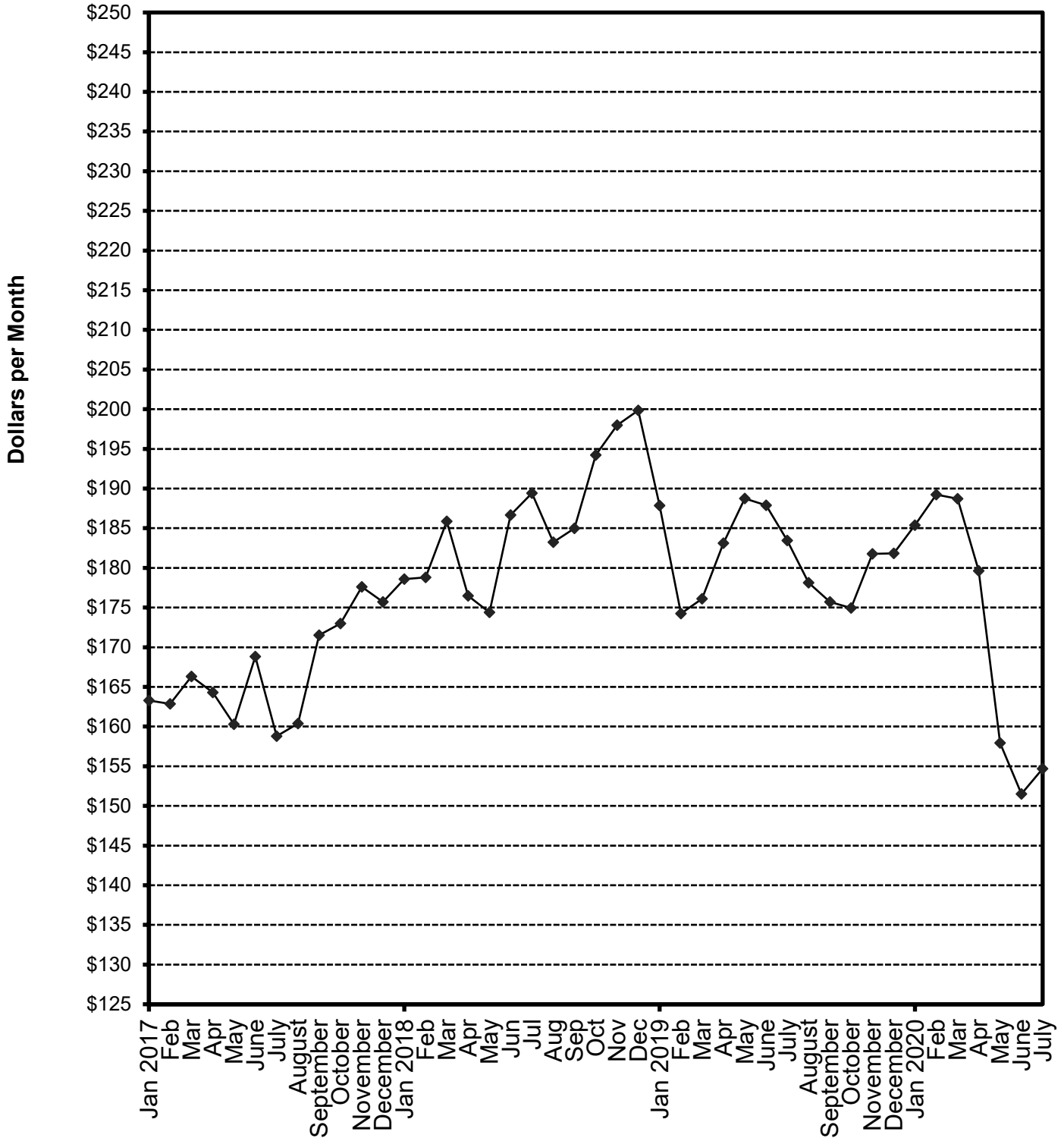
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2020 Cumulative Reconciliation Balance

<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)		
July					(855,700)		

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 6)  
A positive number is an over-collection. A negative number is an under-collection.
- Col(2): FOA reconciliation adjustment variance accumulated during the last three months, starting with the fourth prior month; the difference between the estimated recorded sales used to derive the \$/kwh adjustment and the actual recorded sales.  
(Col(5)-Col(4))
- Col(3): FOA reconciliation generated in the current quarter. The YTD FOA reconciliation difference minus the adjustment variance. Col(1)-Col(2)
- Col(4): Amount that the FOA reconciliation adjustment is trying to collect. (Col(1) \* 1/3)
- Col(5): Actual collected amount. (recorded sales \* \$/kwh adjustment/1.09751)
- Col(6): Cumulative balance of the FOA reconciliation (Previous balance + Col(3) + Col(5))

## Hawaii Electric Light Company, Inc. Residential Bill at 500 KWH/Month Consumption



**HAWAII ELECTRIC LIGHT COMPANY, INC.  
FUEL OIL ADJUSTMENT FACTOR DATA**

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		
	<u>RESIDENTIAL &amp; COMMERCIAL</u>	<u>RESIDENTIAL BILL (\$)</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

**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
<b>1/1/2020</b>	<b>INTERIM RATE ADJUSTMENT 2019</b>	<b>4.0900 PERCENT ON BASE</b>
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
<b>5/1/2020</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
06/01/2020-6/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8413 CENTS/KWH
<b>6/1/2020</b>	<b>RBA RATE ADJUSTMENT</b>	<b>-0.4623 CENTS/KWH</b>
<b>07/01/2020-7/31/2020</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>1.8592 CENTS/KWH</b>
<b>7/1/2020</b>	<b>RESIDENTIAL PBF SURCHARGE ADJUSTMENT</b>	<b>0.5882 CENTS/KWH</b>
<b>7/1/2020</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.1900 DOLLARS/MONTH</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			
	6/01/20	7/01/20	6/01/20	7/01/20	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				\$83.35	\$83.35	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	4.0900%	4.0900%	\$3.41	\$3.41	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	(0.4623)	(0.4623)	-\$2.31	-\$2.31	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	1.8413	1.8592	\$9.21	\$9.30	\$0.09
<b>PBF Surcharge</b>	¢/kwh	0.7437	0.5882	\$3.72	\$2.94	-\$0.78
<b>DSM Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	10.5750	11.3590	\$52.88	\$56.80	\$3.92
<b>Green Infrastructure Fee</b>	\$	1.2500	1.1900	\$1.25	\$1.19	-\$0.06
<b>Avg Residential Bill at 500 kwh</b>				\$151.51	\$154.68	

Increase (Decrease -)	\$3.17
% Change	2.09%

	Rate		Charge (\$) at 600 Kwh			
	6/01/20	7/01/20	6/01/20	7/01/20	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				\$99.73	\$99.73	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	4.0900%	4.0900%	\$4.08	\$4.08	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	(0.4623)	(0.4623)	-\$2.77	-\$2.77	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	1.8413	1.8592	\$11.05	\$11.16	\$0.11
<b>PBF Surcharge</b>	¢/kwh	0.7437	0.5882	\$4.46	\$3.53	-\$0.93
<b>DSM Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	10.5750	11.3590	\$63.45	\$68.15	\$4.70
<b>Green Infrastructure Fee</b>	\$	1.2500	1.1900	\$1.25	\$1.19	-\$0.06
<b>Avg Residential Bill at 600 kwh</b>				\$181.25	\$185.07	

Increase (Decrease -)	\$3.82
% Change	2.11%

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**From:** puc@hawaii.gov  
**Sent:** Friday, June 26, 2020 2:15 PM  
**To:** Watanabe, Blaine  
**Subject:** Hawaii PUC eFiling Confirmation of Filing

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