



JAY IGNACIO, P. E.
President

December 27, 2018

FILED

2018 DEC 27 P 3:18

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

PUBLIC UTILITIES
COMMISSION

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Adjustment Factor for January 2019

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Adjustment factor for January 2019 is 6.867 cents per kilowatt-hour ("kWh"), a decrease of 2.43 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$187.86, a decrease of \$12.00 compared to rates effective December 1, 2018. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment (-\$12.12), the decrease in the Purchase Power Adjustment Clause rate (-\$0.02) and the increase in the Green Infrastructure Fee (+\$0.14).

Hawai'i Electric Light's fuel composite cost of generation decreased 194.83 cents per million BTU to 1,430.76 cents per million BTU. The distributed generation decreased 1.60 cents per kWh to 15.569 cents per kWh. The composite cost of purchased energy decreased 1.74 cents per kWh to 13.139 cents per kWh.

The attached sheets set forth the energy cost adjustment in cents per kWh for each rate schedule that is applicable for pro rata use beginning January 1, 2019.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>12/01/18</u>	<u>1/01/19</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,625.59	1,430.76	(194.83)
Dispersed Generation Energy, ¢/kWh	17.174	15.569	(1.60)
Purchased Energy, ¢/kWh	14.883	13.139	(1.74)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	9.292	6.867	(2.43)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	9.292	6.867	(2.43)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$199.86	\$187.86	(\$12.00)
600 KWH Consumption - \$/Bill	\$239.29	\$224.86	(\$14.43)

HAWAII ELECTRIC LIGHT COMPANY, INC.
ENERGY COST ADJUSTMENT (ECA) FILING

ENERGY COST ADJUSTMENT (ECA) FILING - January 1, 2019 (Page 1 of 2)

<u>Line</u>		
1	Effective Date	January 1, 2019
2	Supercedes Factors of	December 1, 2018

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		1,190.38			
5	Puna Industrial		1,210.25			
6	Keahole Diesel		1,616.09			
6a	Keahole ULSD		1,669.02			
7	Waimea ULSD Diesel		1,652.82			
8	Hilo Diesel		1,580.89			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,632.00			
9	Puna Diesel		1,581.90			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		35.476			
14	Puna Industrial		6.391			
15	Keahole Diesel		43.270			
15a	Keahole ULSD		0.360			
16	Waimea ULSD Diesel		0.408			
17	Hilo Diesel		3.818			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.331			
18	Puna Diesel		9.692			
19	Wind		0.000			
20	Hydro		0.255			
			100.00			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,430.76			
22	% Input to System kWh Mix		55.729			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
		Eff Factor	Percent of Centrl Stn +	Weighted		
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Wind/Hydro</u>	<u>Eff Factor</u>		
23	Industrial	0.014437	41.866	0.006044		
24	Diesel	0.010515	57.879	0.006086		
25	Other	0.012351	0.255	0.000031		
	(Lines 23, 2					
26	Weighted Efficiency Factor, mmbtu/kWh [(Lines 23(D) + 24(D) + 25(D))]			0.0121610	-0.0010	
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))					
					9.69650	
28	BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu				661.02	
29	Base % Input to Sys kWh Mix				53.67	
30	Efficiency Factor, mmbtu/kwh				0.012451	
31	WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))				4.41723	
32	COST LESS BASE (Line 27 - 31)				5.27927	
33	Revenue Tax Req Multiplier				1.0975	
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))				5.79400	
				DG ENERGY COMPONENT		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	15.569
				36	% Input to System kWh Mix	0.117
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.01820
				38	BASE DG ENERGY COMPOSITE COS	13.932
				39	Base % Input to System kWh Mix	0.01
				40	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39)	0.00139
				41	Cost Less Base (Line 37 - 40)	0.01681
				42	Loss Factor	1.072
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.01978
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	5.79400
				46	DG (line 44)	0.01978
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	5.81378

¹ Hilo ULSD same location as Kanoelehua ULSD

HAWAII ELECTRIC LIGHT COMPANY, INC.
ENERGY COST ADJUSTMENT (ECA) FILING

ENERGY COST ADJUSTMENT (ECA) FILING - January 1, 2019 (Page 2 of 2)

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		13.075
49	PGV	On Peak	15.749
50	PGV	Off Peak	14.410
51	PGV - Add'l 5 MW	On Peak	12.860
52	PGV - Add'l 5 MW	Off Peak	12.860
53	PGV - Add'l 8 MW	On Peak	6.540
54	PGV - Add'l 8 MW	Off Peak	6.540
55	Wailuku Hydro	On Peak	15.749
56	Wailuku Hydro	Off Peak	14.410
57	Hawi Renewable Dev.	On Peak	15.749
58	Hawi Renewable Dev.	Off Peak	14.410
59	Tawhiri (Pakini Nui)	On Peak	11.560
60	Tawhiri (Pakini Nui)	Off Peak	11.670
61			
62	Small Hydro (>100 KW)	On Peak	15.749
63	Small Hydro (>100 KW)	Off Peak	14.410
64	Sch Q Hydro (<100 KW)		14.830
65	FIT		23.800
	PURCHASED ENERGY KWH MIX, %		
66	HEP		78.655
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	1.817
74	Wailuku Hydro	Off Peak	1.376
75	Hawi Renewable Dev.	On Peak	2.799
76	Hawi Renewable Dev.	Off Peak	1.487
77	Tawhiri (Pakini Nui)	On Peak	7.529
78	Tawhiri (Pakini Nui)	Off Peak	5.293
79			
80	Small Hydro (>100 KW)	On Peak	0.000
81	Small Hydro (>100 KW)	Off Peak	0.000
82	Sch Q Hydro (<100 KW)		0.236
83	FIT		0.808
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		13.139
85	% Input to System kWh Mix		44.154
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (88 x 89))		5.80145
87	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh		9.895
88	Base % Input to Sys kWh Mix		46.32
89	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (91 x 92))		4.58336
90	COST LESS BASE (Lines (90 - 93))		1.21809
91	Loss Factor		1.072
92	Revenue Tax *		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (94 x 95 x 96))		1.43311

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 97))	7.24689
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	(0.380)
98	ECA FACTOR, ¢/kWh (Lines (98 + 99+ 100 + 101))	6.867

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR January 1, 2019

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	74.9937	74.9937
Land Transportation Cost - \$/BBL	--	1.2523
Industrial Costs For Filing - \$/BBL	74.9937	76.2460
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,190.38	1,210.25

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	91.5417	91.5417	91.5417
Land Transportation Cost - \$/BBL	3.1614	1.1575	1.0982
Diesel Costs For Filing - \$/BBL	94.7031	92.6992	92.6399
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,616.09	1,581.90	1,580.89

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	92.4037	92.4037	92.4037	92.4037
Land Transportation Cost - \$/BBL	3.2310	2.3030	1.1098	-
ULSD Costs For Filing - \$/BBL	95.6347	94.7067	93.5135	92.4037
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,669.02	1,652.82	1,632.00	1,612.63

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	185.7608
\$/BBI Inv Cost:	92.4037
Fuel \$ (Prod Sim Consumption x Unit Cost)	17,164.98
Net kWh (from Prod Sim)	110,250
cents/kWh:	15.569

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 11/30/2018	0	0.00	34,422	2,935,806.97			
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	(23,641)	(1,934,506.14)			
Actual	0	0.00	30,896	2,241,475.35			
Consumed: Estimate	0	0.00	30,845	2,359,508.88			
Actual	0	0.00	(31,972)	(2,462,256.57)			
Balance Per G/L 11/30/2018	0	0.00	40,550	3,140,028.48			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	23,223	1,861,899.26			
Consumed	0	0.00	(28,416)	(2,437,688.16)	106.5901	0.0000	106.5901
Balance @ 12/31/2018	0	0.00	35,357	2,564,239.58			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 12/31/2018	0	0.00	35,357	2,564,239.58			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,564,239.58)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,651,551.41			
Total @ 01/01/2019 Avg Price	0	0.00	35,357	2,651,551.41			

Weighted Avg Cost/BBL by Location #DIV/0! 72.5242
 Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 74.9937

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 11/30/2018	5,535	514,615.33	6,882.27			
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	(4,742)	(400,812.68)	(5,670.20)			
Actual	4,588	350,224.72	5,781.40			
Consumed: Estimate	5,705	436,407.79	7,383.74			
Actual	(5,067)	(434,348.06)	(6,558.00)			
Balance Per G/L 11/30/2018	<u>6,019</u>	<u>466,087.09</u>	<u>7,819.21</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	5,446	446,548	6,512.00			
Consumed	(3,003)	(257,614.64) *	(3,733.96)	85.7858	1.2434	87.0292
Balance @ 12/31/2018	<u>8,462</u>	<u>655,020.71</u>	<u>10,597.25</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>8,462</u>	<u>655,020.71</u>	<u>10,597.25</u>		<u>1.2523</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(655,020.71)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	634,596.49	XXXXXXXXXXXX			
Total @ 01/01/2019 Avg Price	<u>8,462</u>	<u>634,596.49</u>	<u>10,597.25</u>			

Weighted Avg Cost/BBL by Location

77.4073

1.2523

Weighted Avg Cost/BBL @ Avg Cost

74.9937

1.2523

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 11/30/2018	44,801.9	1,881,680.0	4,932,733.1	126,722.3			
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	(53,853.4)	(2,261,843.0)	(5,701,837.8)	(153,126.8)			
Actual	54,746.5	2,299,352.0	5,151,758.3	154,123.25			
Consumed: Estimate	56,482.4	2,372,261.0	6,129,950.7	158,416.20			
Actual	(56,071.7)	(2,355,013.0)	(6,070,351.4)	(136,417.2)	108.2604		
Balance Per G/L 11/30/2018	46,105.6	1,936,437	4,442,252.86	149,717.80	96.3494		
Purchases	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	50,333.9	2,114,023.0	5,006,166.8	143,119.4	99.4592		
Consumed	(36,190.4)	(1,519,997.0)	(4,015,326.6)	(102,364.63)	110.9500	2.8285	113.7785
Balance @ 12/31/2018	60,249.1	2,530,463	5,433,093.06	190,472.52	90.1771		
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	60,249.1	2,530,463	5,433,093.06	190,472.52	90.1771		
Reverse Fuel Balance	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	(5,433,093.1)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	5,515,303.9	XXXXXXXXXXXXXXXXXX			
Total @ 01/01/2019 Avg Price	60,249.1	2,530,463	5,515,303.92	190,472.52	91.5417		

Weighted Avg Cost/BBL by Location

90.1771 3.1614

Weighted Avg Cost/BBL @ Avg Cost

91.5417 3.1614

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER BARREL EXCL LT	BARREL LT	TOTAL
Balance at 11/30/2018	4,822.7	202,554.0	599,678.9	5,452.1			
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	(6,075.7)	(255,181.0)	(645,086.8)	(6,736.8)			
Actual	5,259.3	220,892.0	496,266.4	6,052.7			
Consumed: Estimate	5,091.6	213,849.0	552,588.4	5,175.1			
Actual	(4,406.8)	(185,086.0)	(551,457.9)	(4,479.3)			
Balance Per G/L 11/30/2018	4,691.1	197,028	451,988.99	5,463.88			
Purchases		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	1,379.0	57,918.0	138,337.1	1,529.0	100.3170		
Consumed	(1,238.5)	(52,018)	(137,414.26)	(1,400.15)	110.9500	1.1305	112.0805
Balance @ 12/31/2018	4,831.6	202,928	452,911.83	5,592.76	93.7391		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 12/31/2018	4,831.6	202,928	452,911.83	5,592.76	93.7391		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXXXX	(452,911.83)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXXXX	442,294.39	XXXXXXXXXXXXXXXXXXXX			
Total @ 01/01/2019 Avg Price	4,831.6	202,928	442,294.39	5,592.76	91.5417		

Weighted Avg Cost/BBL by Location

93.7391 1.1575

Weighted Avg Cost/BBL @ Avg Cost

91.5417 1.1575

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCL LT	BARREL LT	TOTAL
Balance at 11/30/2018	1533.5	64,407	161,492	1,406			
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	-933.2	-39193.0	-100745.1	-913.2			
Actual	933.2	39193.0	85359.8	918.8			
Consumed: Estimate	908.8	38169.0	98629.2	745.4			
Actual	-610.3	-25633.0	-68225.6	-153.2			
Balance Per G/L 11/30/2018	1832.0	76,943	176,509.88	2,004.29	96.3494		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX		
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX		
Transfer in	-0.9	-39.0	0.0	0.0	0.0000		
Consumed	-36.7	-1543.0	-4076.1	-33.7	110.9500	0.9172	111.8672
Balance @ 12/31/2018	1,794.3	75,361	172,433.79	1,970.60	96.1004		
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	1,794.3	75,361	172,433.79	1,970.60	96.1004		
Reverse Fuel Balance		XXXXXXXXXXXX	-172,433.79	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	164,254.06	XXXXXXXXXXXX			
Total @ 01/01/2019 Avg Price	1,794.3	75,361	164,254.06	1,970.60	91.5417		

Weighted Avg Cost/BBL by Location

96.1004 1.0982

Weighted Avg Cost/BBL @ Avg Cost

91.5417 1.0982

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 11/30/2018	1,924.4	80,823	180,127.07	5,420.86			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(20,189.40)	(540.25)			
Actual	189.0	7,936	18,431.82	0.00			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate		(72)	0.00	(4.87)			
Actual		270	0.00	537.27			
Consumed: Estimate	304.1	12,771	28,349.04	857.69			
Actual	(257.8)	(10,828)	(25,702.87)	140.35	99.6971		
Balance Per G/L 11/30/2018	1,974.3	82,920	181,015.66	6,411.05	91.6867		
Purchases	189.1	7,943	18,398.66	537.74	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	1.7	70	0.00	4.74	0.00		
Consumed	(100.7)	(4,231)	(9,735.24)	(283.78)	96.6391	2.8170	99.4560
Balance @ 12/31/2018	2,064.3	86,702	189,679.08	6,669.76	91.8839		
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	2,064.3	86,702	189,679.08	6,669.76	91.8839		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(189,679.08)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	190,752.04	XXXXXXXXXXXX			
Total @ 01/01/2019 Avg Price	2,064.3	86,702	190,752.04	6,669.76	92.4037		

Weighted Avg Cost/BBL by Location 91.8839 3.2310

Weighted Avg Cost/BBL @ Avg Cost 92.4037 3.2310

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 11/30/2018	1,293.4	54,321.0	137,123.8	2,014.7		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	(190.0)	(7,980)	(20,189.40)	(185.93)		
Actual	188.9	7,932	18,421.13	0.00		
Transfers out: Estimate			x	x		x
Actual			x	x		x
Transfers in: Estimate		0	0.00	0.00		
Actual		21	0.00	184.82		
Consumed: Estimate	210.3	8,834	967.04	26.58		
Actual	(144.1)	(6,051)	(11,722.55)	(553.36)		
Balance Per G/L 11/30/2018	1,359.0	57,077	124,599.99	1,486.80		
ULSD Purchases	189	7,944	18,401.21	185.10		2.32
Estimated Purchases	0	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(65.5)	(2,752)	(967.04)	(26.58)	96.63907092	1.5577
Balance @ 12/31/2018	1,482.6	62,269	142,034.16	1,645.31		
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	1,482.6	62,269	142,034.16	1,645.31		
Reverse Fuel Balance	x	x	(142,034.16)	x		
Fuel Balance @ Avg Price	x	x	136,997.29	x		
Total @ 01/01/2019 Avg Price	1,482.6	62,269	136,997.29	1,645.31		
Weighted Avg Cost/BBL by Location			95.8010	1.1098		
Weighted Avg Cost/BBL @ Avg Cost			92.4037	1.1098		

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
December 2018

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 11/30/2018	130.0	5,460	10,680.09	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	13.8	578	1,283.04	
Actual	(12.1)	(510)	104.58	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 11/30/2018	131.62	5,528	12,067.71	91.6867
Purchases	11.9	498	1,153.55	97.2873
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(2.7)	(113)	(260.01)	96.6391
Balance @ 12/31/2018	140.8	5,913	12,961.25	92.0637
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 12/31/2018	140.8	5,913	12,961.25	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(12,961.25)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	13,009.12	xxxx
Total @ 01/01/2019 Avg Price	140.8	5,913	13,009.12	92.4037

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR January 1, 2019

		<u>January 1, 2019</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	15.749	6.560
PGV (22 MW)	- off peak	14.410	5.430
WAILUKU HYDRO	- on peak	15.749	7.240
	off peak	14.410	5.970
Other: (<100 KW)	Sch Q Rate	14.830	
		<u>January 1, 2019</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		13.075	
PGV Addtl 5 MW	- on peak	12.8600	0.0000
	- off peak	12.8600	0.0000
PGV Addtl 8 MW	- on peak	6.5400	0.0000
	- off peak	6.5400	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
January 1, 2019

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$917,000)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$305,667)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$335,473)
5	Estimated MWh Sales (January 1, 2019)	88,316 mwh
6	Adjustment (Line 4 / Line 5)	(0.380) ¢/kwh

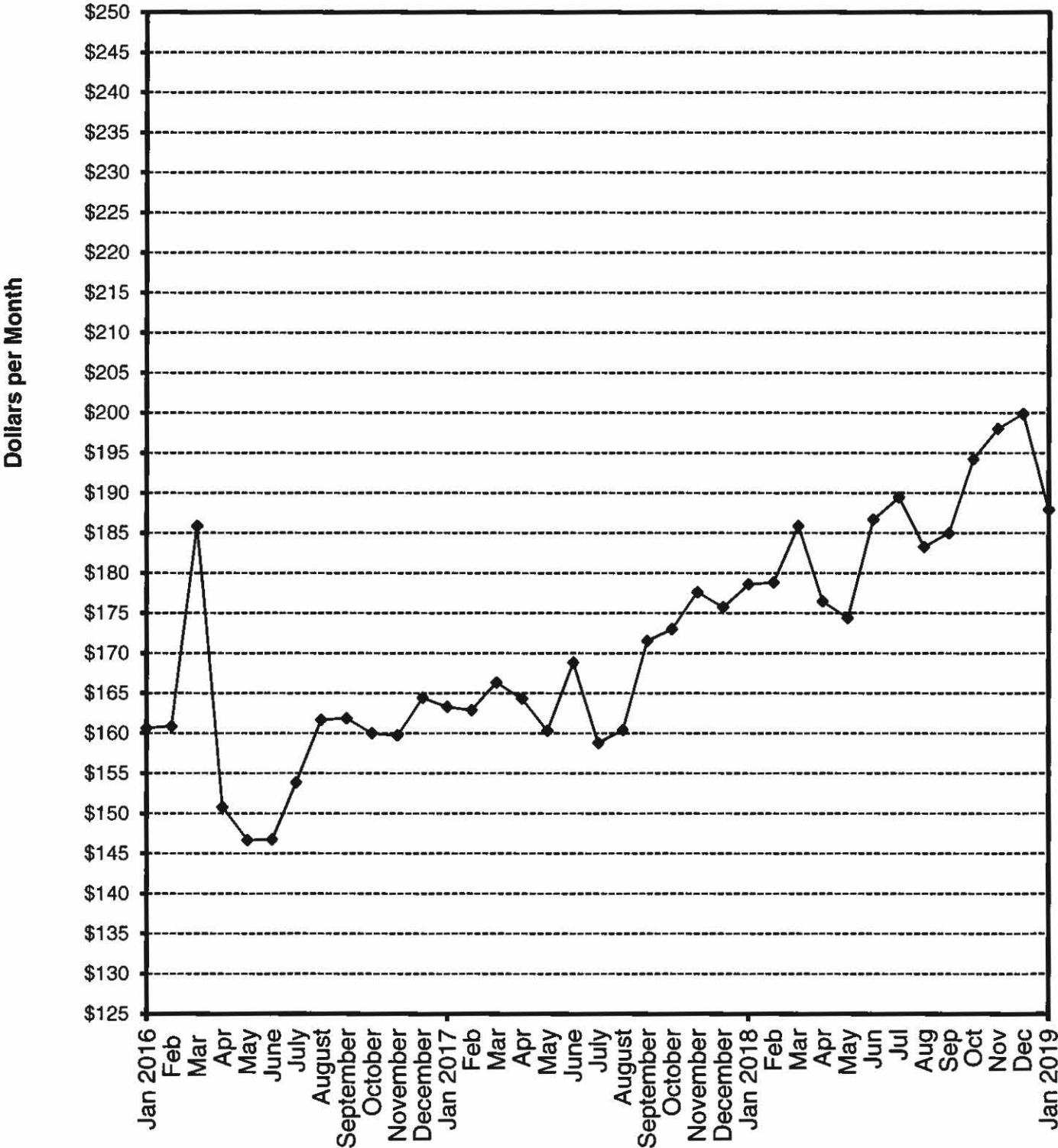
HAWAII ELECTRIC LIGHT COMPANY, INC.
2018 Cumulative Reconciliation Balance

Month	(1) YTD FOA Reconciliation	Qtr	(2) FOA Rec Adjust Variance	(3) FOA Rec Less Variance	(4) Try to Collect	(5) Actual Collect	(6) Month-end Cumulative Balance
November	785,400	[3]	(82,548)	867,948	(261,800)	(268,646)	534,241
December 16					(261,800)	(283,626)	250,615
January 17					(261,800)	(265,764)	(15,149)
February	1,366,400	[4]	(46,589)	1,412,989	(455,467)	(473,124)	924,716
March					(455,467)	(479,559)	445,157
April					(455,467)	(478,693)	(33,536)
May	445,100	(1)	(45,713)	490,813	(148,367)	(154,562)	302,715
June					(148,367)	(151,295)	151,420
July					(148,367)	(157,548)	(6,128)
August	500,800	[2]	(32,349)	533,149	(166,933)	(180,924)	346,097
September					(166,933)	(178,788)	167,309
October					(166,933)	(178,629)	(11,320)
November	714,200	[3]	(35,027)	749,227	(238,067)	(250,818)	487,089
December					(238,067)	(243,403)	243,686
January 18					(238,067)	(242,224)	1,462
February	825,100	[4]	(29,783)	854,883	(275,033)	(279,869)	576,476
March					(275,033)	(283,895)	292,581
April					(275,033)	(291,829)	752
May	1,153,900	(1)	(17,855)	1,171,755	(384,633)	(398,709)	773,798
June					(384,633)	(387,715)	386,083
July					(384,633)	(399,033)	(12,950)
August	699,900	[2]	(33,954)	733,854	(233,300)	(244,658)	476,246
September					(233,300)	(240,110)	236,136
October					(233,300)	(241,346)	(5,210)
November	917,000	[3]	(32,568)	949,568	(305,667)	(309,251)	635,107
December 18					(305,667)		
January 19					(305,667)		

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 BILL (\$)</u>	
	<u>COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2015	2.369	189.62	227.20
February 1, 2015	0.485	179.22	214.71
March 1, 2015	-0.519	174.32	208.85
April 1, 2015	-0.990	170.37	204.10
May 1, 2015	-0.420	175.10	209.79
June 8, 2015	-0.579	175.16	209.85
July 1, 2015	0.264	178.14	213.38
August 1, 2015	-0.586	174.16	208.61
September 1, 2015	-0.927	172.43	206.54
October 1, 2015	-1.671	168.73	202.10
November 1, 2015	-2.727	163.20	195.47
December 1, 2015	-2.859	162.59	194.74
January 1, 2016	-3.223	160.63	192.41
February 1, 2016	-2.962	160.87	192.69
March 1, 2016	-4.311	154.26	184.76
April 1, 2016	-4.715	150.76	180.57
May 1, 2016	-5.554	146.66	175.64
June 1, 2016	-5.546	146.74	175.74
July 1, 2016	-4.248	153.85	184.31
August 1, 2016	-3.094	161.67	193.69
September 1, 2016	-3.040	161.85	193.90
October 1, 2016	-3.427	159.97	191.65
November 1, 2016	-3.514	159.72	191.35
December 1, 2016	-2.584	164.41	196.97
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

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
04/09/12	FINAL RATE INCREASE (1.28%), DOCKET NO. 2009-0164 (2010 TEST YEAR)	
1/1/2016-1/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	2.3260 CENTS/KWH
1/1/2016-06/30/16	GREEN INFRASTRUCTURE FEE	1.3000 DOLLARS/MONTH
2/1/2016 - 2/29/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1114 CENTS/KWH
3/1/2016 - 3/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1401 CENTS/KWH
4/1/2016 - 4/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1228 CENTS/KWH
4/1/2016 - 4/30/16	SOLARSAVER ADJUSTMENT	-0.2779 CENTS/KWH
5/1/2016 - 5/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8623 CENTS/KWH
5/1/2016	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2016 - 6/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8442 CENTS/KWH
6/1/2016	RBA RATE ADJUSTMENT	1.4241 CENTS/KWH
7/1/2016-7/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8909 CENTS/KWH
7/1/2016	GREEN INFRASTRUCTURE FEE	1.1300 DOLLARS/MONTH
7/1/2016	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5865 CENTS/KWH
8/1/2016-8/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3000 CENTS/KWH
9/1/2016-9/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.2824 CENTS/KWH
10/1/2016-10/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.2930 CENTS/KWH
11/1/2016-11/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3298 CENTS/KWH
12/1/2016-12/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3371 CENTS/KWH
1/1/2017-1/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	2.3400 CENTS/KWH
1/1/2017	GREEN INFRASTRUCTURE FEE	1.2700 DOLLARS/MONTH
2/1/2017 - 2/28/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3737 CENTS/KWH
3/1/2017 - 3/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3809 CENTS/KWH
4/1/2017-4/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3781 CENTS/KWH
4/1/2017-4/30/17	SOLARSAVER ADJUSTMENT	-0.2462 CENTS/KWH
5/1/2017-5/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	1.9396 CENTS/KWH
5/1/2017	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2017-6/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	1.9225 CENTS/KWH
6/1/2017	RBA RATE ADJUSTMENT	1.4533 CENTS/KWH
7/1/2017 - 7/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	1.9710 CENTS/KWH
7/1/2017- 12/31/17	GREEN INFRASTRUCTURE FEE	1.1800 DOLLARS/MONTH
7/1/2017	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4244 CENTS/KWH
8/1/2017-8/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7161 CENTS/KWH
9/1/2017-9/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7515 CENTS/KWH
8/31/2017-4/30/18	INTERIM RATE INCREASE 2016	5.8800 PERCENT ON BASE
8/31/2017	RBA RATE ADJUSTMENT	0.6313 CENTS/KWH
10/1/2017 - 10/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7257 CENTS/KWH
11/1/2017 - 11/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.4067 CENTS/KWH
12/1/2017 - 12/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.4090 CENTS/KWH
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

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

**Hawaii Electric Light Company, Inc.
Calculations of the Average Residential Customer Bill**

	Rate		Charge (\$) at 500 Kwh		
	12/01/18	01/01/19	12/01/18	01/01/19	Difference
Base Rates					
effective date:	10/1/2018	10/1/2018			
Base Fuel Energy Charge	¢/kwh 10.2440	10.2440	\$51.22	\$51.22	\$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			\$134.57	\$134.57	\$0.00
Interim Rate Increase 2016 TY	% on base 0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh 1.0006	1.0006	\$5.00	\$5.00	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.0577	2.0548	\$10.29	\$10.27	-\$0.02
PBF Surcharge	¢/kwh 0.4658	0.4658	\$2.33	\$2.33	\$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 Adjustment	¢/kwh 9.2920	6.8670	\$46.46	\$34.34	-\$12.12
Green Infrastructure Fee	\$ 1.2100	1.3500	\$1.21	\$1.35	\$0.14
Avg Residential Bill at 500 kwh			\$199.86	\$187.86	

Increase (Decrease -)	-\$12.00
% Change	-6.00%

	Rate		Charge (\$) at 600 Kwh		
	12/01/18	01/01/19	12/01/18	01/01/19	Difference
Base Rates					
effective date:	10/1/2018	10/1/2018			
Base Fuel/Energy Charge	¢/kwh 10.2440	10.2440	\$61.46	\$61.46	\$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			\$161.19	\$161.19	\$0.00
Interim Rate Increase 2016 TY	% on base 0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh 1.0006	1.0006	\$6.00	\$6.00	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.0577	2.0548	\$12.35	\$12.33	-\$0.02
PBF Surcharge	¢/kwh 0.4658	0.4658	\$2.79	\$2.79	\$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 Adjustment	¢/kwh 9.2920	6.8670	\$55.75	\$41.20	-\$14.55
Green Infrastructure Fee	\$ 1.2100	1.3500	\$1.21	\$1.35	\$0.14
Avg Residential Bill at 600 kwh			\$239.29	\$224.86	

Increase (Decrease -)	-\$14.43
% Change	-6.03%