



JAY IGNACIO, P. E.
President

March 27, 2018

FILED

2018 MAR 27 P 3:59

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 April 2018

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Adjustment factor for April 2018 is -0.912 cents per kilowatt-hour ("kWh"), a decrease of 1.728 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$176.46, a decrease of \$9.41 compared to rates effective March 1, 2018. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor (-\$8.64), the decrease in the Purchase Power Adjustment Clause rate (-\$0.04), and the credit for the Solar Saver Adjustment (-\$0.73).

Hawai'i Electric Light's fuel composite cost of generation decreased 148.02 cents per million BTU to 1,313.97 cents per million BTU. The distributed generation increased 0.011 cents per kWh to 14.562 cents per kWh. The composite cost of purchased energy decreased 0.662 cents per kWh to 12.616 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 April 1, 2018.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>03/01/18</u>	<u>04/01/18</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,461.99	1,313.97	(148.02)
Dispersed Generation Energy, ¢/kWh	14.551	14.562	0.011
Purchased Energy, ¢/kWh	13.278	12.616	(0.662)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	0.816	(0.912)	(1.728)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	0.816	(0.912)	(1.728)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$185.87	\$176.46	(\$9.41)
600 KWH Consumption - \$/Bill	\$222.68	\$211.39	(\$11.29)

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

ENERGY COST ADJUSTMENT (ECA) FILING - April 1, 2018 (Page 1 of 2)

<u>Line</u>		
1	Effective Date	April 1, 2018
2	Supersedes Factors of	March 1, 2018

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		973.33			
5	Puna Industrial		992.79			
6	Keahole Diesel		1,519.37			
6a	Keahole ULSD		1,479.46			
7	Waimea ULSD Diesel		1,471.74			
8	Hilo Diesel		1,489.91			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,454.55			
9	Puna Diesel		1,494.51			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		29.957			
14	Puna Industrial		6.072			
15	Keahole Diesel		59.352			
15a	Keahole ULSD		0.622			
16	Waimea ULSD Diesel		0.303			
17	Hilo Diesel		0.102			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.031			
18	Puna Diesel		2.991			
19	Wind		0.000			
20	Hydro		0.570			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,313.97			
22	% Input to System kWh Mix		41.364			
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	0.015148	25.669	0.003888		
24	Diesel	0.010424	68.324	0.007122		
25	Other	0.012621	6.007	0.000758		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0117680		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			6.39603		
28	BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu			1,224.44		
29	Base % Input to Sys kWh Mix			46.06		
30	Efficiency Factor, mmbtu/kwh			0.012621		
31	WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))			7.11795		
32	COST LESS BASE (Line 27 - 31)			(0.72192)		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			(0.79231)		
				DG ENERGY COMPONENT		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	14.562
				36	% Input to System kWh Mix	0.737
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.10732
				38	BASE DG ENERGY COMPOSITE COS	15.702
				39	Base % Input to System kWh Mix	0.06
				40	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39)	0.00942
				41	Cost Less Base (Line 37 - 40)	0.09790
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.11464
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(0.79231)
				46	DG (line 44)	0.11464
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(0.67767)

¹ Hilo ULSD same location as Kanoelehua ULSD

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

ENERGY COST ADJUSTMENT (ECA) FILING - April 1, 2018 (Page 2 of 2)

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		14.939
49	PGV	On Peak	12.888
50	PGV	Off Peak	13.136
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	12.888
56	Wailuku Hydro	Off Peak	13.136
57	Hawi Renewable Dev.	On Peak	12.888
58	Hawi Renewable Dev.	Off Peak	13.136
59	Tawhiri (Pakini Nui)	On Peak	12.020
60	Tawhiri (Pakini Nui)	Off Peak	11.690
61			
62	Small Hydro (>100 KW)	On Peak	12.888
63	Small Hydro (>100 KW)	Off Peak	13.136
64	Sch Q Hydro (<100 KW)		12.640
65	FIT		23.800
	PURCHASED ENERGY KWH MIX, %		
66	HEP		22.370
67	PGV	On Peak	16.874
68	PGV	Off Peak	10.608
69	PGV - Addt'l	On Peak	3.375
70	PGV - Addt'l	Off Peak	2.604
71	PGV - Add'l 8 MW	On Peak	4.543
72	PGV - Add'l 8 MW	Off Peak	5.210
73	Wailuku Hydro	On Peak	3.170
74	Wailuku Hydro	Off Peak	2.022
75	Hawi Renewable Dev.	On Peak	4.770
76	Hawi Renewable Dev.	Off Peak	2.463
77	Tawhiri (Pakini Nui)	On Peak	12.553
78	Tawhiri (Pakini Nui)	Off Peak	8.607
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)		0.231
83	FIT		0.600
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		12.616
85	% Input to System kWh Mix		57.899
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		7.30454
87	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh		13.354
88	Base % Input to Sys kWh Mix		53.88
89	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88))		7.19514
90	COST LESS BASE (Lines (86 - 89))		0.10940
91	Loss Factor		1.067
92	Revenue Tax *		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		0.12811

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	(0.54956)
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	(0.362)
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	(0.912)

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR April 1, 2018

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	61.3195	61.3195
Land Transportation Cost - \$/BBL	--	1.2259
Industrial Costs For Filing - \$/BBL	61.3195	62.5455
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	973.33	992.79

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	86.2161	86.2161	86.2161
Land Transportation Cost - \$/BBL	2.8191	1.3624	1.0925
Diesel Costs For Filing - \$/BBL	89.0352	87.5785	87.3086
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,519.37	1,494.51	1,489.91

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	81.9733	81.9733	81.9733	81.9733
Land Transportation Cost - \$/BBL	2.8000	2.3572	1.3727	-
ULSD Costs For Filing - \$/BBL	84.7732	84.3304	83.3460	81.9733
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,479.46	1,471.74	1,454.55	1,430.60

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	1172.4716
\$/BBI Inv Cost:	81.9733
Fuel \$ (Prod Sim Consumption x Unit Cost)	96,111.31
Net kWh (from Prod Sim)	660,000
cents/kWh:	14.562

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 02/28/2018	0	0.00	34,458	2,390,445.19			
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	(31,439)	(2,169,677.05)			
Actual	0	0.00	28,861	1,886,795.67			
Consumed: Estimate	0	0.00	27,671	1,765,619.44			
Actual	0	0.00	(27,775)	(1,772,255.43)			
Balance Per G/L 02/28/2018	<u>0</u>	<u>0.00</u>	<u>31,776</u>	<u>2,100,927.82</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	22,962	1,473,947.39			
Consumed	<u>0</u>	<u>0.00</u>	<u>(22,338)</u>	<u>(1,536,501.46)</u>	106.5901	0.0000	106.5901
Balance @ 03/31/2018	0	0.00	32,400	2,038,373.75			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 03/31/2018	<u>0</u>	<u>0.00</u>	<u>32,400</u>	<u>2,038,373.75</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,038,373.75)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	1,986,752.82			
Total @ 04/01/2018 Avg Price	<u>0</u>	<u>0.00</u>	<u>32,400</u>	<u>1,986,752.82</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 62.9128

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 61.3195

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 02/28/2018	5,830	368,545.27	7,024.55			
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	(2,156)	(128,787.55)	(2,578.02)			
Actual	2,108	145,137.93	2,650.96			
Consumed: Estimate	2,139	136,484.41	2,511.64			
Actual	(2,163)	(138,015.79)	(2,539.82)			
Balance Per G/L 02/28/2018	<u>5,758</u>	<u>383,364.27</u>	<u>7,069.31</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	841	74,516	1,005.62			
Consumed	(716)	<u>(49,249.49)</u>	(862.71)	68.7842	1.2049	69.9891
Balance @ 03/31/2018	<u>5,883</u>	<u>408,631.27</u>	<u>7,212.22</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>5,883</u>	<u>408,631.27</u>	<u>7,212.22</u>		1.2259	
Reverse Fuel Balance	XXXXXXXXXXXX	(408,631.27)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	360,742.80	XXXXXXXXXXXX			
Total @ 04/01/2018 Avg Price	<u>5,883</u>	<u>360,742.80</u>	<u>7,212.22</u>			

Weighted Avg Cost/BBL by Location

69.4597

1.2259

Weighted Avg Cost/BBL @ Avg Cost

61.3195

1.2259

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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCLUD LT	BARREL LT	TOTAL
Balance at 02/28/2018	44,474.4	1,867,925.0	4,724,879.4	124,624.1			
Less: Est'd Inventory Addition	(2,952.8)	(124,019.0)	(259,339.3)	(8,564.1)			
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	(40,347.9)	(1,694,612.0)	(4,375,799.5)	(114,725.2)			
Actual	41,250.7	1,732,531.0	3,988,944.8	116,456.59			
Consumed: Estimate	46,156.0	1,938,553.0	4,049,772.5	130,975.54			
Actual	(43,297.7)	(1,818,502.0)	(3,798,977.6)	(122,864.5)	87.7409		
Balance Per G/L 02/28/2018	45,282.8	1,901,876	4,329,480.32	125,902.44	95.6099		
Purchases	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	45,460.9	1,909,359.0	4,021,740.1	129,263.6	88.4659		
Consumed	(38,410.4)	(1,613,237.0)	(3,847,478.1)	(107,633.64)	100.1676	2.8022	102.9698
Balance @ 03/31/2018	52,333.3	2,197,998	4,503,742.38	147,532.41	86.0588		
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	52,333.3	2,197,998	4,503,742.38	147,532.41	86.0588		
Reverse Fuel Balance	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	(4,503,742.4)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	4,511,971.3	XXXXXXXXXXXXXXXXXX			
Total @ 04/01/2018 Avg Price	52,333.3	2,197,998	4,511,971.28	147,532.41	86.2161		

Weighted Avg Cost/BBL by Location 86.0588 2.8191

Weighted Avg Cost/BBL @ Avg Cost 86.2161 2.8191

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 02/28/2018	3,103.2	130,333.0	313,449.1	4,134.6			
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	(1,378.2)	(57,886.0)	(163,106.0)	(1,528.2)			
Actual	1,497.5	62,896.0	170,874.0	1,881.8			
Consumed: Estimate	1,863.8	78,278.0	163,528.2	2,469.4			
Actual	(1,265.1)	(53,133.0)	(110,998.5)	(1,676.1)			
Balance Per G/L 02/28/2018	3,821.1	160,488	373,746.76	5,281.52			
Purchases		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	340.6	14,305.0	25,064.9	377.7	73.5915		
Consumed	(360.2)	(15,128)	(36,079.42)	(479.92)	100.1676	1.3324	101.5000
Balance @ 03/31/2018	3,801.5	159,665	362,732.26	5,179.25	95.4170		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 03/31/2018	3,801.5	159,665	362,732.26	5,179.25	95.4170		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXXXX	(362,732.26)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXXXX	327,754.57	XXXXXXXXXXXXXXXXXXXX			
Total @ 04/01/2018 Avg Price	3,801.5	159,665	327,754.57	5,179.25	86.2161		

Weighted Avg Cost/BBL by Location

95.4170 1.3624

Weighted Avg Cost/BBL @ Avg Cost

86.2161 1.3624

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCL LT	BARREL LT	TOTAL
Balance at 02/28/2018	1393.9	58,543	121,897	1,739			
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	190.6	8006.0	19052.6	0.0			
Consumed: Estimate	49.3	2069.0	4322.3	61.5			
Actual	-31.0	-1303.0	-2722.1	-38.7			
Balance Per G/L 02/28/2018	1602.7	67,315	142,549.59	1,761.33	88.9413		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	-5.4	-228.0	0.0	-5.3	#DIV/0!		
Consumed	-70.9	-2979.0	-7104.7	-88.5	100.1676	1.2473	101.4149
Balance @ 03/31/2018	1,526.4	64,108	135,444.85	1,667.55	88.7359		
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	1,526.4	64,108	135,444.85	1,667.55	88.7359		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -135,444.85	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 131,598.60	XXXXXXXXXXXX			
Total @ 04/01/2018 Avg Price	1,526.4	64,108	131,598.60	1,667.55	86.2161		

Weighted Avg Cost/BBL by Location

88.7359 1.0925

Weighted Avg Cost/BBL @ Avg Cost

86.2161 1.0925

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

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 02/28/2018	2,253.7	94,656	184,794.45	6,319.37			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(379.4)	(15,934)	(36,087.63)	(1,078.74)			
Actual	189.4	7,954	18,014.37	0.00			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate		(120)	0.00	(8.12)			
Actual		123	0.00	538.49			
Consumed: Estimate	136.7	5,742	10,903.57	381.39			
Actual	(110.3)	(4,632)	(8,795.77)	(307.67)	79.7544		
Balance Per G/L 02/28/2018	2,090.2	87,789	168,828.99	5,844.72	80.7711		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	17,157.00	540.25			
Transfer in	(0.9)	(37)	0.00	(2.50)	0.00		
Consumed	(106.6)	(4,479)	(8,735.01)	(299.03)	81.9090	2.8040	84.7130
Balance @ 03/31/2018	2,172.7	91,253	177,250.98	6,083.43	81.5813		
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	2,172.7	91,253	177,250.98	6,083.43	81.5813		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(177,250.98)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	178,102.50	XXXXXXXXXXXX			
Total @ 04/01/2018 Avg Price	2,172.7	91,253	178,102.50	6,083.43	81.9733		

Weighted Avg Cost/BBL by Location

81.5813 2.8000

Weighted Avg Cost/BBL @ Avg Cost

81.9733 2.8000

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 02/28/2018	1,753.7	73,655.0	144,876.5	4,132.98			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(15,931)	(36,015.16)	(898.51)			
Actual		7,951.0	18,007.6	0.00			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	(4.3)	(179)	0.00	0.00			
Actual	3.8	160	0.00	448.44			
Consumed: Estimate	128.6	5,402	10,257.93	302.89			
Actual	(104.0)	(4,369)	(8,296.36)	(244.97)			
Balance Per G/L 02/28/2018	1,587.8	66,689	128,830.48	3,740.83	81.1360		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	XXXXXXXXXXXX	(35)	0.00	0.00	#DIV/0!		
Consumed	(48.5)	(2,037)	(3,972.59)	(114.30)	81.9090	2.3567	84.2657
Balance @ 03/31/2018	1,538.5	64,617	124,857.89	3,626.53	81.1556		
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	1,538.5	64,617	124,857.89	3,626.53	81.1556		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(124,857.89)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	126,115.85	XXXXXXXXXXXX			
Total @ 04/01/2018 Avg Price	1,538.5	64,617	126,115.85	3,626.53	81.9733		

Weighted Avg Cost/BBL by Location

81.1556 2.3572

Weighted Avg Cost/BBL @ Avg Cost

81.9733 2.3572

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 02/28/2018	1,512.7	63,534.0	122,703.9	1,817.1
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(190.0)	(7,980)	(18,034.80)	(185.93)
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	185.19
Consumed: Estimate	0.0	268	967.04	26.58
Actual	(3.6)	(153)	(290.53)	(4.59)
Balance Per G/L 02/28/2018	1,325.5	55,669	105,345.56	1,838.39
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	190	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(60.2)	(2,527)	(967.04)	(26.58)
Balance @ 03/31/2018	1,455.3	61,122	121,535.52	1,997.74
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	1,455.3	61,122	121,535.52	1,997.74
Reverse Fuel Balance	x	x	(121,535.52)	x
Fuel Balance @ Avg Price	x	x	119,294.50	x
Total @ 04/01/2018 Avg Price	1,455.3	61,122	119,294.50	1,997.74

#DIV/0!

81.909 1.2012

Weighted Avg Cost/BBL by Location

83.5132 1.3727

Weighted Avg Cost/BBL @ Avg Cost

81.9733 1.3727

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 02/28/2018	93.1	3,910	7,398.21	
Less: Est'd Inven Addition	0.0	XXXXXXXXXXXXXXXXXXXX		
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	3.5	149	282.94	
Actual	(4.5)	(190)	(360.79)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 02/28/2018	92.12	3,869	7,320.36	79.4663
Purchases	11.9	499	1,072.80	90.2958
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(8.0)	(337)	(657.22)	81.9090
Balance @ 03/31/2018	96.0	4,031	7,735.94	80.6027
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 03/31/2018	96.0	4,031	7,735.94	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(7,735.94)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	7,867.48	xxxx
Total @ 04/01/2018 Avg Price	96.0	4,031	7,867.48	81.9733

HAWAII ELECTRIC LIGHT COMPANY, INC.
CONTRACT PRICES EFFECTIVE March 1, 2018

TYPE OF OIL BURNED

INDUSTRIAL *	<u>Hill Industrial</u>		<u>Puna Industrial</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	54.90	3.4579	54.90	3.4579
Ocean Transportation	42.56	2.5843	41.02	2.5843
Storage	29.89	2.0521	32.57	2.0521
Wharfage	5.60	0.3400	5.40	0.3400
Fees ²	2.26	0.1425	2.26	0.1800
DIESEL *	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	88.04	5.1586	88.04	5.1586
Ocean Transportation	44.10	1.9761	44.10	2.5843
Storage	27.20	1.5937	27.20	1.5937
Wharfage	5.80	0.3400	5.80	0.3400
Fees ²	3.33	0.1950	3.33	0.1950
	<u>Kona Diesel</u>		<u>CT3 Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	88.04	5.1586	88.04	5.1586
Ocean Transportation	44.10	2.5843	44.10	2.5843
Storage	27.20	1.5937	27.20	1.5937
Wharfage	5.80	0.3400	5.80	0.3400
Fees ²	3.33	0.1950	3.33	0.1950
ULSD **	<u>ULSD</u>			
	<u>¢/MBTU</u>	<u>\$/BBL</u>		
Tax ¹	26.38	1.9537		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		
Fees ²	3.33	0.1950		

¹ Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST Tax and Environmental Response Tax.

² Fees include Custom Duty and Fed Oil Spill Recovery

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 April 1, 2018

		<u>April 1, 2018</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	12.888	6.560
PGV (22 MW)	- off peak	13.136	5.430
WAILUKU HYDRO	- on peak	12.888	7.240
	off peak	13.136	5.970
Other: (<100 KW)	Sch Q Rate	12.640	
		<u>April 1, 2018</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		14.939	
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
April 1, 2018

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$825,100)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$275,033)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$301,853)
5	Estimated MWh Sales (April 1, 2018)	83,297 mwh
6	Adjustment (Line 4 / Line 5)	(0.362) ¢/kwh

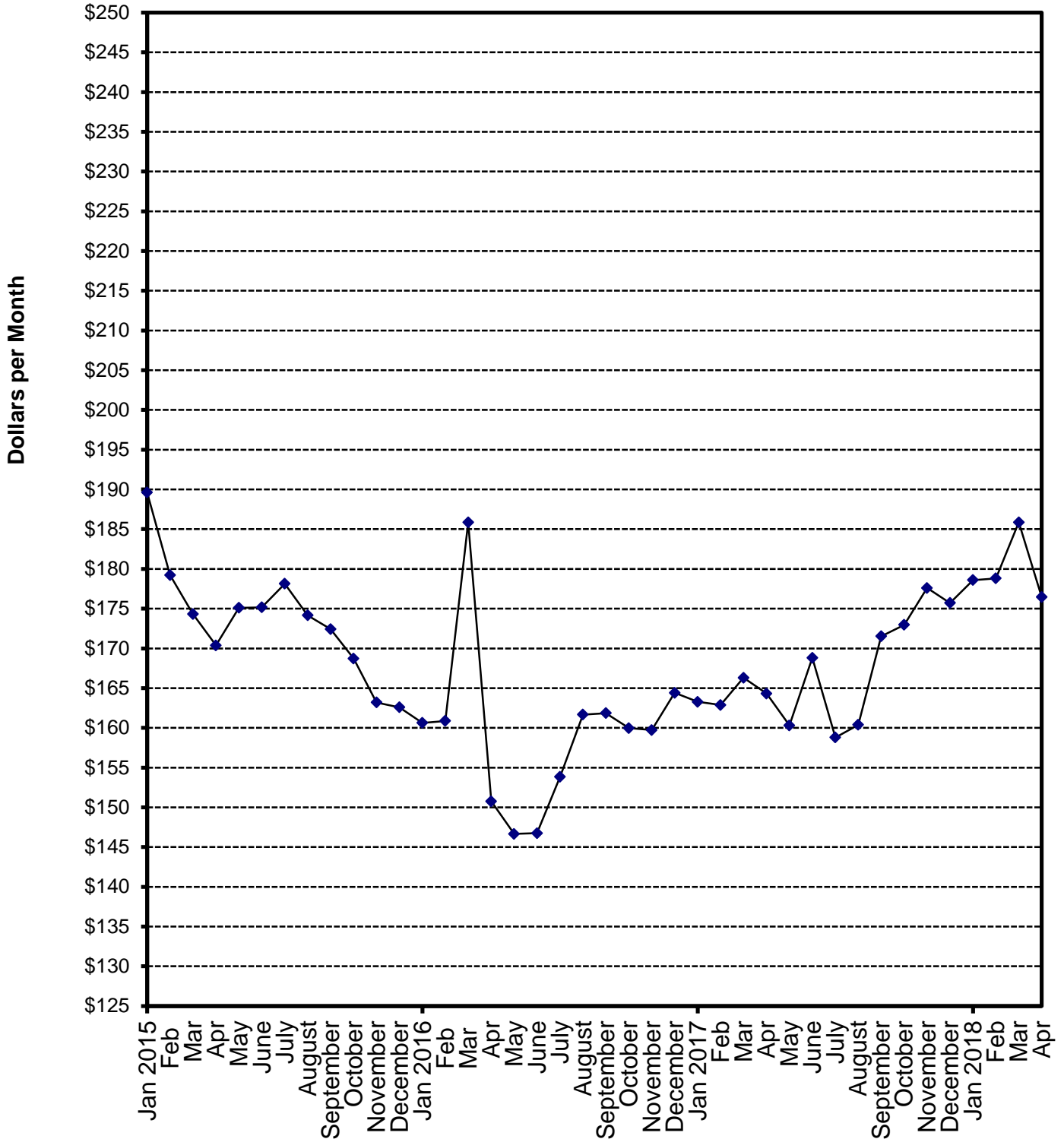
HAWAII ELECTRIC LIGHT COMPANY, INC.
2017 Cumulative Reconciliation Balance

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)		
April					(275,033)		

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 & COMMERCIAL</u>	<u>RESIDENTIAL BILL (\$)</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

**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	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

**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		
	03/01/18	04/01/18	03/01/18	04/01/18	Difference
Base Rates					
effective date:	4/9/2012	4/9/2012			
Base Fuel Energy Charge	¢/kwh 16.2487	16.2487	\$81.24	\$81.24	\$0.00
Non-fuel Fuel Energy Charge	¢/kwh		\$62.72	\$62.72	\$0.00
First 300 kWh per month	¢/kwh 11.2019	11.2019	\$33.61	\$33.61	\$0.00
Next 700 kWh per month	¢/kwh 14.5537	14.5537	\$29.11	\$29.11	\$0.00
Customer Charge	\$ 10.50	10.50	\$10.50	\$10.50	\$0.00
Total Base Charges			\$154.46	\$154.46	\$0.00
Interim Rate Increase 2016 TY	% on base 5.8800%	5.8800%	\$9.08	\$9.08	\$0.00
RBA Rate Adjustment	¢/kwh 0.6313	0.6313	\$3.16	\$3.16	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.3258	2.3184	\$11.63	\$11.59	-\$0.04
PBF Surcharge	¢/kwh 0.4244	0.4244	\$2.12	\$2.12	\$0.00
DSM Adjustment	¢/kwh 0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh 0.0000	(0.1464)	\$0.00	-\$0.73	-\$0.73
Energy Cost Adjustment	¢/kwh 0.8160	(0.9120)	\$4.08	-\$4.56	-\$8.64
Green Infrastructure Fee	\$ 1.3400	1.3400	\$1.34	\$1.34	\$0.00
Avg Residential Bill at 500 kwh			\$185.87	\$176.46	

Increase (Decrease -)	-\$9.41
% Change	-5.06%

	Rate		Charge (\$) at 600 Kwh		
	03/01/18	04/01/18	03/01/18	04/01/18	Difference
Base Rates					
effective date:	4/9/2012	4/9/2012			
Base Fuel/Energy Charge	¢/kwh 16.2487	16.2487	\$97.49	\$97.49	\$0.00
Non-fuel Fuel Energy Charge	¢/kwh		\$77.27	\$77.27	\$0.00
First 300 kWh per month	¢/kwh 11.2019	11.2019	\$33.61	\$33.61	\$0.00
Next 700 kWh per month	¢/kwh 14.5537	14.5537	\$43.66	\$43.66	\$0.00
Customer Charge	\$ 10.50	10.50	\$10.50	\$10.50	\$0.00
Total Base Charges			\$185.26	\$185.26	\$0.00
Interim Rate Increase 2016 TY	% on base 5.8800%	5.8800%	\$10.89	\$10.89	\$0.00
RBA Rate Adjustment	¢/kwh 0.6313	0.6313	\$3.79	\$3.79	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.3258	2.3184	\$13.95	\$13.91	-\$0.04
PBF Surcharge	¢/kwh 0.4244	0.4244	\$2.55	\$2.55	\$0.00
DSM Adjustment	¢/kwh 0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh 0.0000	(0.1464)	\$0.00	-\$0.88	-\$0.88
Energy Cost Adjustment	¢/kwh 0.8160	(0.9120)	\$4.90	-\$5.47	-\$10.37
Green Infrastructure Fee	\$ 1.3400	1.3400	\$1.34	\$1.34	\$0.00
Avg Residential Bill at 600 kwh			\$222.68	\$211.39	

Increase (Decrease -)	-\$11.29
% Change	-5.07%