



June 1, 2017

JAY IGNACIO, P. E.
President

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

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Adjustment Factor for June 2017
Revised Attachments Reflecting RBA Rate Adjustment

Enclosed for filing are revised Attachments 1, 8, 9A, 9B, and 10 of Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment filing, reflecting the impact of the Company's Revenue Balancing Account ("RBA") rate adjustment, as approved by the Commission in order No. 34581.

On May 26, 2017, Hawai'i Electric Light filed its energy cost adjustment factor for June 2017 and indicated that it would file the enclosed revised attachments after the Commission issued its decision on the Company's RBA rate adjustment proposal submitted in Transmittal No. 17-03 and incorporate the impact in the customer bill analysis. There is no change to the energy cost adjustment factor as filed on May 26, 2017.

A residential customer consuming 500 kWh of electricity will be paying \$168.82, an increase of \$8.52 compared to the rates effective May 1, 2017. The increase in the typical bill is due to the increase in the energy cost adjustment factor (+\$8.46), the decrease in the Purchased Power Adjustment (-\$0.09), and the increase in the RBA rate adjustment (+\$0.15).

For the Commission's convenience, Hawai'i Electric Light is refileing all of the attachments included in the May 26, 2017 filing. The revised attachments are notated with "Revised 6/1/17" in the headers; the other attachments are unchanged.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>5/01/17</u>	<u>6/01/17</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,025.09	1,177.21	152.12
Dispersed Generation Energy, ¢/kWh	8.618	13.078	4.460
Purchased Energy, ¢/kWh	11.669	12.132	0.463
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(3.035)	(1.343)	1.692
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(3.035)	(1.343)	1.692
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$160.30	\$168.82	\$8.52
600 KWH Consumption - \$/Bill	\$192.02	\$202.25	\$10.23

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

ENERGY COST ADJUSTMENT (ECA) FILING - June 1, 2017 (Page 1 of 2)

<u>Line</u>		
1	Effective Date	June 1, 2017
2	Supercedes Factors of	May 1, 2017

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT					
FUEL PRICES, ¢/mmbtu					
3					
4	Hill Industrial		863.38		
5	Puna Industrial		881.07		
6	Keahole Diesel		1,502.68		
6a	Keahole ULSD		1,363.82		
7	Waimea ULSD Diesel		1,358.81		
8	Hilo Diesel		1,476.32		
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,335.47		
9	Puna Diesel		1,471.77		
10	Wind		0.00		
11	Hydro		0.00		
BTU MIX, %					
12					
13	Hill Industrial		43.414		
14	Puna Industrial		6.468		
15	Keahole Diesel		47.301		
15a	Keahole ULSD		0.050		
16	Waimea ULSD Diesel		0.016		
17	Hilo Diesel		0.000		
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.002		
18	Puna Diesel		2.289		
19	Wind		0.000		
20	Hydro		0.460		
			100.000		
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,177.21		
22	% Input to System kWh Mix		51.340		
EFFICIENCY FACTOR, mmbtu/kWh					
	(A)	(B)	(C)	(D)	
		Eff Factor	Percent of Centrl Stn + Wind/Hydro	Weighted Eff Factor	
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Wind/Hydro</u>		
23	Industrial	0.015148	38.365	0.005812	
24	Diesel	0.010424	56.733	0.005914	
25	Other	0.012621	4.902	0.000619	
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)				
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0123450	
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			7.46107	
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)			0.34312	
33	Revenue Tax Req Multiplier			1.0975	
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			0.37657	
				<u>DG ENERGY COMPONENT</u>	
	35	COMPOSITE COST OF DG ENERGY, ¢/kWh ²		13.078	
	36	% Input to System kWh Mix ²		0.033	
	37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)		0.00432	
	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)		(0.00510)	
	42	Loss Factor		1.067	
	43	Revenue Tax Req Multiplier		1.0975	
	44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)		(0.00597)	
				SUMMARY OF	
	45	Cntrl Stn+Wind/Hydro (line 34)		0.37657	
	46	DG (line 44)		(0.00597)	
	47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)		0.37060	

¹ Hilo ULSD same location as Kanoelehua ULSD

² There is no forecast for February 2017 based on the production simulation files received on November 28, 2016 from R. Wang.

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

ENERGY COST ADJUSTMENT (ECA) FILING - June 1, 2017 (Page 2 of 2)

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		13.005
49	PGV	On Peak	11.339
50	PGV	Off Peak	11.345
51	PGV - Add'l 5 MW	On Peak	12.670
52	PGV - Add'l 5 MW	Off Peak	12.670
53	PGV - Add'l 8 MW	On Peak	6.440
54	PGV - Add'l 8 MW	Off Peak	6.440
55	Wailuku Hydro	On Peak	11.339
56	Wailuku Hydro	Off Peak	11.345
57	Hawi Renewable Dev.	On Peak	11.339
58	Hawi Renewable Dev.	Off Peak	11.345
59	Tawhiri (Pakini Nui)	On Peak	13.640
60	Tawhiri (Pakini Nui)	Off Peak	12.410
61			
62	Small Hydro (>100 KW)	On Peak	11.339
63	Small Hydro (>100 KW)	Off Peak	11.345
64	Sch Q Hydro (<100 KW)		11.020
65	FIT		23.800
	PURCHASED ENERGY KWH MIX, %		
66	HEP		23.174
67	PGV	On Peak	13.368
68	PGV	Off Peak	8.192
69	PGV - Addt'l	On Peak	2.674
70	PGV - Addt'l	Off Peak	3.581
71	PGV - Add'l 8 MW	On Peak	1.229
72	PGV - Add'l 8 MW	Off Peak	3.516
73	Wailuku Hydro	On Peak	3.074
74	Wailuku Hydro	Off Peak	2.187
75	Hawi Renewable Dev.	On Peak	7.274
76	Hawi Renewable Dev.	Off Peak	3.339
77	Tawhiri (Pakini Nui)	On Peak	17.292
78	Tawhiri (Pakini Nui)	Off Peak	10.460
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)		0.270
83	FIT		0.370
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		12.132
85	% Input to System kWh Mix		48.627
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		5.89943
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))		(1.29571)
91	Loss Factor		1.067
92	Revenue Tax *		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		(1.51732)

Line	SYSTEM COMPOSITE		
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))		(1.14672)
95	Not Used		0.000
96	Not Used		0.000
97	ECA Reconciliation Adjustment		(0.196)
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))		(1.343)

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR June 1, 2017

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	54.3929	54.3929
Land Transportation Cost - \$/BBL	--	1.1142
Industrial Costs For Filing - \$/BBL	54.3929	55.5072
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	863.38	881.07

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	85.1026	85.1026	85.1026
Land Transportation Cost - \$/BBL	2.9546	1.1428	1.4098
Diesel Costs For Filing - \$/BBL	88.0573	86.2454	86.5124
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,502.68	1,471.77	1,476.32

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	75.4789	75.4789	75.4789	75.4789
Land Transportation Cost - \$/BBL	2.6679	2.3811	1.0435	-
ULSD Costs For Filing - \$/BBL	78.1469	77.8600	76.5225	75.4789
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,363.82	1,358.81	1,335.47	1,317.26

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	48.5150
\$/BBI Inv Cost:	75.4789
Fuel \$ (Prod Sim Consumption x Unit Cost)	3,661.86
Net kWh (from Prod Sim)	28,000
cents/kWh:	13.078

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 04/30/2017	0	0.00	19,839	867,755.33			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	(22,345)	(1,001,812.43)			
Actual	0	0.00	21,901	1,028,518.75			
Consumed: Estimate	0	0.00	35,258	1,883,834.94			
Actual	0	0.00	(28,643)	(1,551,949.69)			
Balance Per G/L 04/30/2017	<u>0</u>	<u>0.00</u>	<u>26,010</u>	<u>1,226,346.90</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	27,533	1,539,576.20			
Consumed	<u>0</u>	<u>0.00</u>	<u>(15,882)</u>	<u>(748,836.30)</u>	106.5901	0.0000	106.5901
Balance @ 05/31/2017	0	0.00	37,661	2,017,086.80			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 05/31/2017	<u>0</u>	<u>0.00</u>	<u>37,661</u>	<u>2,017,086.80</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,017,086.80)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,048,492.82			
Total @ 06/01/2017 Avg Price	<u>0</u>	<u>0.00</u>	<u>37,661</u>	<u>2,048,492.82</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 53.5590
 Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 54.3929

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 04/30/2017	5,234	257,895.45	5,397.40			
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	(3,127)	(145,343.44)	(3,739.08)			
Actual	3,016	151,275.79	3,803.65			
Consumed: Estimate	2,962	158,259.66	2,339.98			
Actual	(2,593)	(163,144.85)	(2,335.06)			
Balance Per G/L 04/30/2017	<u>5,492</u>	<u>258,942.61</u>	<u>5,466.89</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	3,282	179,058	3,924.42			
Consumed	(3,369)	<u>(158,848.35)</u>	(3,369.00)	47.1500	1.0000	48.1500
Balance @ 05/31/2017	<u>5,405</u>	<u>279,152.55</u>	<u>6,022.31</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>5,405</u>	<u>279,152.55</u>	<u>6,022.31</u>		<u>1.1142</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(279,152.55)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	293,993.89	XXXXXXXXXXXX			
Total @ 06/01/2017 Avg Price	<u>5,405</u>	<u>293,993.89</u>	<u>6,022.31</u>			

Weighted Avg Cost/BBL by Location

51.6471

1.1142

Weighted Avg Cost/BBL @ Avg Cost

54.3929

1.1142

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCLUD LT	BARREL LT	TOTAL
Balance at 04/30/2017	38,258.8	1,606,868.0	2,545,551.7	103,937.5			
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	(54,013.6)	(2,268,570.0)	(3,785,627.8)	(144,367.5)			
Actual	46,920.5	1,970,662.0	3,350,994.4	123,963.83			
Consumed: Estimate	44,565.0	1,871,728.0	3,507,618.3	114,086.28			
Actual	(45,237.0)	(1,899,953.0)	(3,534,515.7)	(117,394.7)	78.1333		
Balance Per G/L 04/30/2017	30,493.7	1,280,735	2,084,020.85	80,225.36	68.3427		
Purchases	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	49,412.7	2,075,334.0	3,983,812.4	140,500.1	80.6232		
Consumed	(47,340.4)	(1,988,296.0)	(3,240,922.5)	(124,505.20)	68.4600	2.6300	71.0900
Balance @ 05/31/2017	32,566.0	1,367,773	2,826,910.77	96,220.27	86.8055		
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	32,566.0	1,367,773	2,826,910.77	96,220.27	86.8055		
Reverse Fuel Balance	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	(2,826,910.8)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	2,771,454.5	XXXXXXXXXXXXXXXXXX			
Total @ 06/01/2017 Avg Price	32,566.0	1,367,773	2,771,454.53	96,220.27	85.1026		

Weighted Avg Cost/BBL by Location

86.8055 2.9546

Weighted Avg Cost/BBL @ Avg Cost

85.1026 2.9546

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 04/30/2017	3,594.0	150,950.0	258,932.2	3,758.0			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(1,630.6)	(68,484.0)	(104,396.7)	(1,699.5)			
Actual	1,550.1	65,104.0	116,288.0	1,763.8			
Consumed: Estimate	1,566.3	65,785.0	123,281.1	1,629.0			
Actual	(1,451.3)	(60,954.0)	(146,116.7)	(1,274.6)			
Balance Per G/L 04/30/2017	3,628.6	152,401	247,987.96	4,176.62			
Purchases		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	776.0	32,590.0	72,975.8	860.4	94.0468		
Consumed	(479.7)	(20,147)	(32,839.61)	(551.64)	68.4600	1.1500	69.6100
Balance @ 05/31/2017	3,924.9	164,844	288,124.19	4,485.35	73.4101		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 05/31/2017	3,924.9	164,844	288,124.19	4,485.35	73.4101		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXXXX	(288,124.19)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXXXX	334,015.70	XXXXXXXXXXXXXXXXXXXX			
Total @ 06/01/2017 Avg Price	3,924.9	164,844	334,015.70	4,485.35	85.1026		

Weighted Avg Cost/BBL by Location

73.4101 1.1428

Weighted Avg Cost/BBL @ Avg Cost

85.1026 1.1428

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCL LT	BARREL LT	TOTAL
Balance at 04/30/2017	1623.5	68,185	127,776	1,686			
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	1.5	62.0	39.3	0.0			
Consumed: Estimate	13.6	573.0	1073.8	14.2			
Actual	-8.9	-375.0	-17514.9	595.6			
Balance Per G/L 04/30/2017	1629.6	68,445	111,374.18	2,295.92	68.3427		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX		
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX		
Transfer in	4.2	176.0	0.0	3.5	0.0000		
Consumed	-10.3	-431.0	-702.5	-10.6	68.4600	1.0300	69.4900
Balance @ 05/31/2017	1,623.6	68,190	110,671.65	2,288.89	68.1656		
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	1,623.6	68,190	110,671.65	2,288.89	68.1656		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -110,671.65	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 138,170.21	XXXXXXXXXXXX			
Total @ 06/01/2017 Avg Price	1,623.6	68,190	138,170.21	2,288.89	85.1026		

Weighted Avg Cost/BBL by Location

68.1656 1.4098

Weighted Avg Cost/BBL @ Avg Cost

85.1026 1.4098

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 04/30/2017	2,004.4	84,184	149,714.28	5,123.45			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	0.0	0	0.00	0.00			
Actual	0.0	0	(1,354.85)	0.00			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate		166	0.00	10.56			
Actual		(277)	0.00	0.00			
Consumed: Estimate	151.4	6,360	11,257.20	387.66			
Actual	(177.1)	(7,438)	(13,253.62)	(322.86)	74.8389		
Balance Per G/L 04/30/2017	1,976.1	82,995	146,363.01	5,198.81	74.0677		
Purchases	377.8	15,868	30,458.04	1,074.26	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	13.0	546	0.00	36.96	0.00		
Consumed	(122.7)	(5,153)	(9,275.40)	(322.68)	75.6000	2.6300	78.2300
Balance @ 05/31/2017	2,244.2	94,256	167,545.65	5,987.36	74.6575		
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	2,244.2	94,256	167,545.65	5,987.36	74.6575		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(167,545.65)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	169,389.10	XXXXXXXXXXXX			
Total @ 06/01/2017 Avg Price	2,244.2	94,256	169,389.10	5,987.36	75.4789		

Weighted Avg Cost/BBL by Location

74.6575 2.6679

Weighted Avg Cost/BBL @ Avg Cost

75.4789 2.6679

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 04/30/2017	1,497.7	62,905.0	111,517.9	3,508.87			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		0	0.00	0.00			
Actual		0.0	(1,325.4)	0.00			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	(1.9)	(80)	0.00	0.00			
Actual	21.8	915	0.00	0.00			
Consumed: Estimate	158.0	6,638	11,749.26	371.41			
Actual	(160.8)	(6,752)	(12,042.08)	(321.62)			
Balance Per G/L 04/30/2017	1,514.9	63,626	109,899.66	3,558.66	72.5456		
ULSD Purchases	188.8	7,930	15,236.70	447.25	80.6988		
Estimated Purchases	190.0	7,980	15,332.77	450.07			
Transfer in	XXXXXXXXXXXX	(847)	0.00	0.00	#DIV/0!		
Consumed	(165.0)	(6,929)	(12,472.20)	(387.69)	75.6000	2.3500	77.9500
Balance @ 05/31/2017	1,708.6	71,760	127,996.93	4,068.29	74.9146		
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	1,708.6	71,760	127,996.93	4,068.29	74.9146		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(127,996.93)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	128,961.15	XXXXXXXXXXXX			
Total @ 06/01/2017 Avg Price	1,708.6	71,760	128,961.15	4,068.29	75.4789		

Weighted Avg Cost/BBL by Location

74.9146 2.3811

Weighted Avg Cost/BBL @ Avg Cost

75.4789 2.3811

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 04/30/2017	1,372.7	57,654.0	103,194.3	1,423.3		
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		495	0.00	10.84		
Actual		(686)	0.00	0.53		
Consumed: Estimate	24.3	1,022	1,808.94	29.10		
Actual	(19.9)	(837)	(1,226.87)	(18.01)		
Balance Per G/L 04/30/2017	1,372.6	57,648	103,776.37	1,445.76		
ULSD Purchases	189	7,922	15,205.98	184.58	1.92	
Estimated Purchases	0	-	-	-		
Transfer in	(9)	(383)	0.00	(8.92)		
Consumed	(48.8)	(2,049)	(3,688.20)	(52.70)	75.6	1.0500
Balance @ 05/31/2017	1,503.3	63,138	115,294.15	1,568.72		
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	1,503.3	63,138	115,294.15	1,568.72		
Reverse Fuel Balance	x	x	(115,294.15)	x		
Fuel Balance @ Avg Price	x	x	113,466.40	x		
Total @ 06/01/2017 Avg Price	1,503.3	63,138	113,466.40	1,568.72		

Weighted Avg Cost/BBL by Location

76.6948 1.0435

Weighted Avg Cost/BBL @ Avg Cost

75.4789 1.0435

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2017

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 04/30/2017	119.8	5,033	8,931.95	
Less: Est'd Inven Addition	0.0	XXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	2.7	115	203.55	
Actual	(3.7)	(155)	819.23	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 04/30/2017	118.88	4,993	9,954.73	83.7370
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(14.9)	(625)	(1,125.00)	75.6000
Balance @ 05/31/2017	104.0	4,368	8,829.73	84.9013
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 05/31/2017	104.0	4,368	8,829.73	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(8,829.73)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	7,849.81	xxxx
Total @ 06/01/2017 Avg Price	104.0	4,368	7,849.81	75.4789

HAWAII ELECTRIC LIGHT COMPANY, INC.
CONTRACT PRICES EFFECTIVE May 1, 2017

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	49.88	3.1422	49.88	3.1422
Ocean Transportation	44.10	2.6774	42.50	2.6774
Storage	28.69	1.9687	31.25	1.9687
Wharfage	4.78	0.2900	4.60	0.2900
Fees ²	1.13	0.0712	1.13	0.0900
	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
DIESEL *	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	80.37	4.7092	80.37	4.7092
Ocean Transportation	45.69	1.9761	45.69	2.6774
Storage	26.13	1.5312	26.13	1.5312
Wharfage	4.95	0.2900	4.95	0.2900
Fees ²	1.67	0.0975	1.67	0.0975
	<u>Kona Diesel</u>		<u>CT3 Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	77.43	4.5367	77.57	4.5452
Ocean Transportation	54.12	3.1715	62.55	3.6655
Storage	22.22	1.3021	18.31	1.0729
Wharfage	4.61	0.2700	4.27	0.2500
Fees ²	1.67	0.0975	1.67	0.0975
	<u>ULSD</u>			
ULSD **	<u>¢/MBTU</u>	<u>\$/BBL</u>		
Tax ¹	26.38	1.9056		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		
Fees ²	1.67	0.0975		

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 June 1, 2017

		<u>June 1, 2017</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	11.339	6.560
PGV (22 MW)	- off peak	11.345	5.430
WAILUKU HYDRO	- on peak	11.339	7.240
	.	11.345	5.970
Other: (<100 KW)	Sch Q Rate	11.020	
		<u>June 1, 2017</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		13.005	
PGV Addtl 5 MW	- on peak	12.6700	0.0000
	- off peak	12.6700	0.0000
PGV Addtl 8 MW	- on peak	6.4400	0.0000
	- off peak	6.4400	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
June 1, 2017

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$445,100)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$148,367)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$162,835)
5	Estimated MWh Sales (June 1, 2017)	83,138 mwh
6	Adjustment (Line 4 / Line 5)	(0.196) ¢/kwh

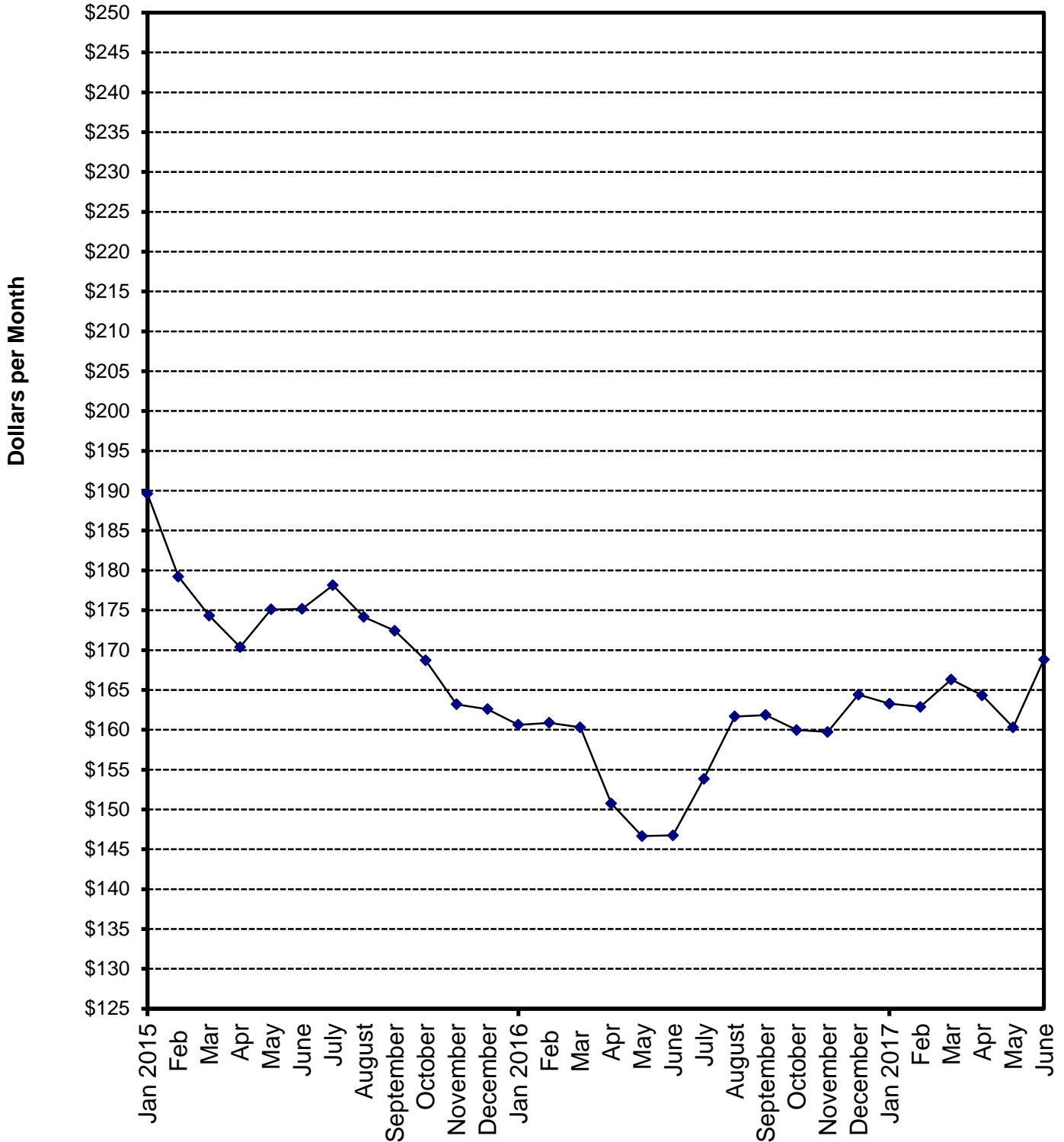
HAWAII ELECTRIC LIGHT COMPANY, INC.
2016 Cumulative Reconciliation Balance

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	791,200	[3]	44,375	746,825	(263,733)	(262,906)	565,708
December 15					(263,733)	(256,311)	309,397
January 16					(263,733)	(264,541)	44,856
February	(282,600)	[4]	10,260	(292,860)	94,200	95,382	(152,622)
March					94,200	96,004	(56,618)
April					94,200	97,345	40,727
May	2,320,900	[1]	2,178	2,318,722	(773,633)	(790,776)	1,568,673
June					(773,633)	(817,839)	750,834
July					(773,633)	(821,946)	(71,112)
August	645,200	[2]	(58,204)	703,404	(215,067)	(232,600)	399,692
September					(215,067)	(231,769)	167,923
October					(215,067)	(232,984)	(65,061)
November	785,400	[3]	(82,548)	867,948	(261,800)	(268,646)	534,241
December					(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)		
June					(148,367)		

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, 2014	6.796	206.51	247.73
February 1, 2014	7.754	211.65	253.89
March 1, 2014	6.650	206.15	247.28
April 1, 2014	6.679	204.55	245.36
May 1, 2014	7.005	207.96	249.46
June 1, 2014	7.247	213.09	255.62
July 1, 2014	7.697	216.27	259.42
August 1, 2014	8.086	218.71	262.36
September 1, 2014	6.885	212.75	255.20
October 1, 2014	6.447	210.55	252.56
November 1, 2014	5.634	205.93	247.03
December 1, 2014	4.143	198.49	237.84
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

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
1/1/2014-1/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.3444 CENTS/KWH
2/1/2014-2/28/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4149 CENTS/KWH
3/1/2014-3/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4170 CENTS/KWH
4/1/2014-4/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4162 CENTS/KWH
4/1/2014-4/30/2014	SOLARSAVER ADJUSTMENT	-0.3486 CENTS/KWH
5/1/2014-5/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4248 CENTS/KWH
5/1/2014-5/31/2014	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2014-6/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4244 CENTS/KWH
6/1/2014-5/31/15	RBA RATE ADJUSTMENT	1.2225 CENTS/KWH
7/1/2014-7/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4252 CENTS/KWH
7/1/2014-11/30/14	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	1.0157 CENTS/KWH
8/1/2014-8/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.5250 CENTS/KWH
9/1/2014-9/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.5341 CENTS/KWH
10/1/2014-10/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.5314 CENTS/KWH
11/1/2014-11/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4226 CENTS/KWH
12/1/2014-12/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4235 CENTS/KWH
12/1/2014-6/30/15	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7583 CENTS/KWH
12/1/2014-6/30/15	GREEN INFRASTRUCTURE FEE	1.2900 DOLLARS/MONTH
1/1/2015-1/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.4245 CENTS/KWH
2/1/2015-2/28/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2273 CENTS/KWH
3/1/2015-3/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2539 CENTS/KWH
4/1/2015-4/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2424 CENTS/KWH
4/1/2015-4/30/2015	SOLARSAVER ADJUSTMENT	-0.3084 CENTS/KWH
5/1/2015-5/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3109 CENTS/KWH
5/1/2015-4/30/16	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2015-6/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3064 CENTS/KWH
6/1/2015-6/7/2015	RBA RATE ADJUSTMENT	0.0000 CENTS/KWH
6/8/2015-05/31/16	RBA RATE ADJUSTMENT	1.3971 CENTS/KWH
7/1/2015-7/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3157 CENTS/KWH
7/1/2015-06/30/16	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4749 CENTS/KWH
7/1/2015-12/31/2015	GREEN INFRASTRUCTURE FEE	1.4200 DOLLARS/MONTH
8/1/2015-8/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3703 CENTS/KWH
9/1/2015-9/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3651 CENTS/KWH
10/1/2015-10/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3699 CENTS/KWH
11/1/2015-11/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3204 CENTS/KWH
12/1/2015-12/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3299 CENTS/KWH
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

**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		
	5/01/17	6/01/17	5/01/17	6/01/17	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
RBA Rate Adjustment	¢/kwh 1.4241	1.4533	\$7.12	\$7.27	\$0.15
Purchased Power Adj. Clause	¢/kwh 1.9396	1.9225	\$9.70	\$9.61	-\$0.09
PBF Surcharge	¢/kwh 0.5865	0.5865	\$2.93	\$2.93	\$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 (3.0350)	(1.3430)	-\$15.18	-\$6.72	\$8.46
Green Infrastructure Fee	\$ 1.2700	1.2700	\$1.27	\$1.27	\$0.00
Avg Residential Bill at 500 kwh			\$160.30	\$168.82	

Increase (Decrease -)	\$8.52
% Change	5.32%

	Rate		Charge (\$) at 600 Kwh		
	5/01/17	6/01/17	5/01/17	6/01/17	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
RBA Rate Adjustment	¢/kwh 1.4241	1.4533	\$8.54	\$8.72	\$0.18
Purchased Power Adj. Clause	¢/kwh 1.9396	1.9225	\$11.64	\$11.54	-\$0.10
PBF Surcharge	¢/kwh 0.5865	0.5865	\$3.52	\$3.52	\$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 (3.0350)	(1.3430)	-\$18.21	-\$8.06	\$10.15
Green Infrastructure Fee	\$ 1.2700	1.2700	\$1.27	\$1.27	\$0.00
Avg Residential Bill at 600 kwh			\$192.02	\$202.25	

Increase (Decrease -)	\$10.23
% Change	5.33%