



February 24, 2017

JAY IGNACIO, P. E.
President

FILED
2017 FEB 24 P 3:50
PUBLIC UTILITIES
COMMISSION

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 March 2017

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment factor for March 2017 is -2.274 cents per kilowatt-hour ("kWh"), an increase of 0.682 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$166.31, an increase of \$3.44 compared to the rates effective February 1, 2017. The increase in the typical residential bill is due to the increase in the energy cost adjustment factor (+\$3.41) and the increase in the Purchased Power Adjustment Clause rate (+\$0.03).

Hawai'i Electric Light's fuel composite cost of generation increased 75.88 cents per million BTU to 1,127.99 cents per million BTU. The composite cost of distributed generation in March is 12.746 cents per kWh. The composite cost of purchased energy increased 0.386 cents per kWh to 11.860 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 March 1, 2017.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>2/01/17</u>	<u>3/01/17</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,052.11	1,127.99	75.88
Dispersed Generation Energy, ¢/kWh	0.000	12.746	12.746
Purchased Energy, ¢/kWh	11.474	11.860	0.386
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(2.956)	(2.274)	0.682
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(2.956)	(2.274)	0.682
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$162.87	\$166.31	\$3.44
600 KWH Consumption - \$/Bill	\$195.09	\$199.24	\$4.15

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

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

<u>Line</u>		
1	Effective Date	March 1, 2017
2	Supercedes Factors of	February 1, 2017

GENERATION COMPONENT

<u>CENTRAL STATION WITH WIND/HYDRO COMPONENT</u>						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		850.33			
5	Puna Industrial		864.84			
6	Keahole Diesel		1,401.13			
6a	Keahole ULSD		1,299.90			
7	Waimea ULSD Diesel		1,301.19			
8	Hilo Diesel		1,367.01			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,275.48			
9	Puna Diesel		1,376.50			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		42.687			
14	Puna Industrial		6.282			
15	Keahole Diesel		47.181			
15a	Keahole ULSD		0.216			
16	Waimea ULSD Diesel		0.174			
17	Hilo Diesel		0.044			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.106			
18	Puna Diesel		3.094			
19	Wind		0.000			
20	Hydro		0.216			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,127.99			
22	% Input to System kWh Mix		50.346			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of			
			Centrl Stn +	Weighted		
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Wind/Hydro</u>	<u>Eff Factor</u>		
		<u>mmbtu/kwh</u>				
23	Industrial	0.015148	37.744	0.005717		
24	Diesel	0.010424	57.606	0.006005		
25	Other	0.012621	4.650	0.000587		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0123090		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			6.99025		
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)			(0.12770)		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			(0.14015)		
				<u>DG ENERGY COMPONENT</u>		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh ²	12.746
				36	% Input to System kWh Mix ²	0.114
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.01453
				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)	0.00511
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.00598
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(0.14015)
				46	DG (line 44)	0.00598
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(0.13417)

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 - March 1, 2017 (Page 2 of 2)

Line	<u>PURCHASED ENERGY COMPONENT</u>		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		13.887
49	PGV	On Peak	11.378
50	PGV	Off Peak	11.578
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	11.378
56	Wailuku Hydro	Off Peak	11.578
57	Hawi Renewable Dev.	On Peak	11.378
58	Hawi Renewable Dev.	Off Peak	11.578
59	Tawhiri (Pakini Nui)	On Peak	14.210
60	Tawhiri (Pakini Nui)	Off Peak	12.650
61			
62	Small Hydro (>100 KW)	On Peak	11.378
63	Small Hydro (>100 KW)	Off Peak	11.578
64	Sch Q Hydro (<100 KW)		11.140
65	FIT		23.800
	PURCHASED ENERGY KWH MIX, %		
66	HEP		15.441
67	PGV	On Peak	24.381
68	PGV	Off Peak	14.731
69	PGV - Addt'l	On Peak	4.855
70	PGV - Addt'l	Off Peak	3.483
71	PGV - Add'l 8 MW	On Peak	2.996
72	PGV - Add'l 8 MW	Off Peak	6.258
73	Wailuku Hydro	On Peak	2.680
74	Wailuku Hydro	Off Peak	1.949
75	Hawi Renewable Dev.	On Peak	4.295
76	Hawi Renewable Dev.	Off Peak	2.194
77	Tawhiri (Pakini Nui)	On Peak	9.950
78	Tawhiri (Pakini Nui)	Off Peak	6.181
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		0.375
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		11.860
85	% Input to System kWh Mix		49.540
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		5.87544
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))		(1.31970)
91	Loss Factor		1.067
92	Revenue Tax R		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		(1.54541)

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	(1.67958)
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	(0.594)
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	(2.274)

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

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	53.5710	53.5710
Land Transportation Cost - \$/BBL	--	0.9137
Industrial Costs For Filing - \$/BBL	53.5710	54.4846
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	850.33	864.84

DIESEL FUEL COSTS:

	KEAHOLE	PUNA CT-3	HILO
Average Diesel Fuel Cost - \$/BBL	79.3882	79.3882	79.3882
Land Transportation Cost - \$/BBL	2.7180	1.2745	0.7183
Diesel Costs For Filing - \$/BBL	82.1062	80.6627	80.1065
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,401.13	1,376.50	1,367.01

ULSD FUEL COSTS:

	KEAHOLE	WAIMEA	HILO	DISPERSED GENERATION
Average ULSD Fuel Cost - \$/BBL	72.2126	72.2126	72.2126	72.2126
Land Transportation Cost - \$/BBL	2.2715	2.3456	0.8726	-
ULSD Costs For Filing - \$/BBL	74.4842	74.5583	73.0853	72.2126
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,299.90	1,301.19	1,275.48	1,260.26

Dispersed Generation, cents per kWh

	COMPOSITE COST OF DISP. GEN.
BBIs Fuel:	180.0405
\$/BBI Inv Cost:	72.2126
Fuel \$ (Prod Sim Consumption x Unit Cost)	13,001.20
Net kWh (from Prod Sim)	102,000
cents/kWh:	12.746

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 01/31/2017	0	0.00	33,419	1,779,168.69			
Less: Est'd Inventory Addn			(6,261)	(340,763.55)			
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	(28,116)	(1,565,697.24)			
Actual	0	0.00	29,219	1,632,817.39			
Consumed: Estimate	0	0.00	34,526	1,798,752.81			
Actual	0	0.00	(33,896)	(1,761,566.00)			
Balance Per G/L 01/31/2017	0	0.00	28,891	1,542,712.10			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	39,652	2,126,727.98			
Consumed	0	0.00	(29,609)	(1,581,120.60)	106.5901	0.0000	106.5901
Balance @ 02/28/2017	0	0.00	38,934	2,088,319.48			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 02/28/2017	0	0.00	38,934	2,088,319.48			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,088,319.48)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,085,732.16			
Total @ 9/30/2013 Avg Price	0	0.00	38,934	2,085,732.16			

Weighted Avg Cost/BBL by Location #DIV/0! 53.6374

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 53.5710

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 01/31/2017	5,421	268,523.98	3,990.07			
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	(1,758)	(100,411.46)	(2,102.11)			
Actual	1,353	78,242.40	1,659.69			
Consumed: Estimate	2,592	135,039.31	1,759.45			
Actual	<u>(2,306)</u>	<u>(98,279.78)</u>	<u>(1,565.35)</u>			
Balance Per G/L 01/31/2017	<u>5,302</u>	<u>283,114.45</u>	<u>3,741.75</u>			
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	2,451	128,030	2,930.76			
Consumed	(2,019)	<u>(107,814.60)</u>	(1,433.49)	53.4000	0.7100	54.1100
Balance @ 02/28/2017	5,734	<u>303,330.01</u>	5,239.02			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>5,734</u>	<u>303,330.01</u>	<u>5,239.02</u>		0.9137	
Reverse Fuel Balance	xxxxxxxxxxxx	(303,330.01)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	307,175.94	xxxxxxxxxxxx			
Total @ 03/01/2017 Avg Price	<u>5,734</u>	<u>307,175.94</u>	<u>5,239.02</u>			

Weighted Avg Cost/BBL by Location

52.9002

0.9137

Weighted Avg Cost/BBL @ Avg Cost

53.5710

0.9137

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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 01/31/2017	39,295.3	1,650,401.0	2,910,619.8	98,410.2			
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		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate	(39,098.4)	(1,642,133.0)	(2,879,841.3)	(104,502.2)			
Actual	39,298.0	1,650,516.0	2,952,901.9	103,558.28			
Consumed: Estimate	47,127.0	1,979,334.0	3,585,525.8	132,106.41			
Actual	(46,942.1)	(1,971,568.0)	(3,538,313.4)	(141,170.5)	75.3761		
Balance Per G/L 01/31/2017	39,679.8	1,666,550	3,030,892.96	88,402.13	76.3838		
Purchases	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	39,024.2	1,639,018.0	2,980,717.9	104,304.0	76.3812		
Consumed	(43,465.7)	(1,825,558.0)	(3,322,515.6)	(96,928.44)	76.4400	2.2300	78.6700
Balance @ 02/28/2017	35,238.3	1,480,010	2,689,095.32	95,777.68	76.3116		
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	35,238.3	1,480,010	2,689,095.32	95,777.68	76.3116		
Reverse Fuel Balance	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	(2,689,095.3)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	2,797,508.3	xxxxxxxxxxxxxxx			
Total @ 03/01/2017 Avg Price	35,238.3	1,480,010	2,797,508.26	95,777.68	79.3882		

Weighted Avg Cost/BBL by Location 76.3116 2.7180

Weighted Avg Cost/BBL @ Avg Cost 79.3882 2.7180

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 01/31/2017	2,232.1	93,750.0	181,039.4	2,556.8			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actua		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers out: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actua		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(2,520.9)	(105,878.0)	(183,147.5)	(2,627.5)			
Actua	1,668.8	70,091.0	144,482.4	1,963.8			
Consumed: Estimate	4,572.9	192,062.0	347,916.7	6,237.0			
Actua	(3,070.2)	(128,950.0)	(270,096.3)	(4,112.1)			
Balance Per G/L 01/31/2017	2,882.7	121,075	220,194.63	4,017.98			
Purchases		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	1,981.6	83,228.0	145,405.8	2,369.5	73.3773		
Consumed	(1,627.0)	(68,335)	(124,369.70)	(2,261.56)	76.4400	1.3900	77.8300
Balance @ 02/28/2017	3,237.3	135,968	241,230.72	4,125.92	74.5153		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 02/28/2017	3,237.3	135,968	241,230.72	4,125.92	74.5153		
Reverse Fuel Balance		xxxxxxxxxxxx	(241,230.72)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxx	257,006.10	xxxxxxxxxxxx			
Total @ 03/01/2017 Avg Price	3,237.3	135,968	257,006.10	4,125.92	79.3882		

Weighted Avg Cost/BBL by Location 74.5153 1.2745

Weighted Avg Cost/BBL @ Avg Cost 79.3882 1.2745

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 01/31/2017	1425.4	59,868	107,725	1,231			
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	0.0	0.0	0.0	0.0			
Consumed: Estimate	10.9	458.0	829.7	9.4			
Actual	-8.7	-367.0	490.9	-1.4			
Balance Per G/L 01/31/2017	1427.6	59,959	109,045.22	1,239.12	76.3838		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	-1088.8	-45728.0	0.0	-1001.6	0.0000		
Consumed	-9.7	-406.0	-738.9	-8.4	76.4400	0.8700	77.3100
Balance @ 02/28/2017	329.2	13,825	108,306.30	229.16	329.0318		
Inven From Offsite/Transfers	0.0	0.0	0.0	0.0			
Est'd Inventory Addition	36.1	1516.2	2833.1	33.2			
Fuel Balance @ Avg Price	365.3	15,341	111,139.44	262.37	304.2693		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -111,139.44	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 28,997.87	XXXXXXXXXXXX			
Total @ 03/01/2017 Avg Price	365.3	15,341	28,997.87	262.37	79.3882		

Weighted Avg Cost/BBL by Location

304.2693 0.7183

Weighted Avg Cost/BBL @ Avg Cost

79.3882 0.7183

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

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 01/31/2017	1,981.7	83,230	140,511.07	5,204.90			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(181.9)	(7,638)	(13,672.02)	(486.07)			
Actual	181.9	7,638	14,970.48	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(54)	0.00	(3.44)			
Actual		123	0.00	486.07			
Consumed: Estimate	140.1	5,884	9,959.75	446.78			
Actual	(120.6)	(5,064)	(7,925.36)	(1,186.15)	65.7317		
Balance Per G/L 01/31/2017	2,002.8	84,119	143,843.92	4,462.09	71.8202		
Purchases	188.9	7,933	15,078.96	504.84	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	5.5	232	0.00	14.76	0.00		
Consumed	(226.2)	(9,500)	(16,245.00)	(504.40)	71.8200	2.2300	74.0500
Balance @ 02/28/2017	1,971.0	82,784	142,677.88	4,477.29	72.3868		
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	1,971.0	82,784	142,677.88	4,477.29	72.3868		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(142,677.88)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	142,334.53	xxxxxxxxxxxx			
Total @ 03/01/2017 Avg Price	1,971.0	82,784	142,334.53	4,477.29	72.2126		

Weighted Avg Cost/BBL by Location

72.3868 2.2715

Weighted Avg Cost/BBL @ Avg Cost

72.2126 2.2715

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 01/31/2017	1,413.8	59,379.0	100,995.9	3,325.04			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(14,284.20)	(423.07)			
Actual		7,953.0	15,595.1	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(2.3)	(96)	0.00	0.00			
Actual	1.1	47	0.00	421.64			
Consumed: Estimate	215.8	9,064	15,342.48	509.57			
Actual	(195.3)	(8,202)	(14,766.83)	(434.25)			
Balance Per G/L 01/31/2017	1,432.5	60,165	102,882.46	3,398.93	71.8202		
ULSD Purchases	189.2	7,945	15,101.78	421.22	79.8332		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxx	219	0.00	0.00	#DIV/0!		
Consumed	(167.8)	(7,049)	(12,053.79)	(397.77)	71.8200	2.3700	74.1900
Balance @ 02/28/2017	1,459.0	61,280	105,930.45	3,422.38	72.6025		
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	1,459.0	61,280	105,930.45	3,422.38	72.6025		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(105,930.45)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	105,361.67	xxxxxxxxxxxx			
Total @ 03/01/2017 Avg Price	1,459.0	61,280	105,361.67	3,422.38	72.2126		

Weighted Avg Cost/BBL by Location

72.6025 2.3456

Weighted Avg Cost/BBL @ Avg Cost

72.2126 2.3456

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 01/31/2017	86.4	3,630	6,539.80	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	1.4	59	99.87	
Actual	(1.8)	(76)	(461.42)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 01/31/2017	86.02	3,613	6,178.25	71.8202
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(6.0)	(254)	(434.34)	71.8200
Balance @ 02/28/2017	80.0	3,359	5,743.91	71.8203
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 02/28/2017	80.0	3,359	5,743.91	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(5,743.91)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	5,775.29	xxxx
Total @ 03/01/2017 Avg Price	80.0	3,359	5,775.29	72.2126

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR March 1, 2017

		<u>March 1, 2017</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	11.378	6.560
PGV (22 MW)	- off peak	11.578	5.430
WAILUKU HYDRO	- on peak	11.378	7.240
	.	11.578	5.970
Other: (<100 KW)	Sch Q Rate	11.140	
		<u>March 1, 2017</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		13.887	
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
March 1, 2017

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$1,366,400)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$455,467)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$499,881)
5	Estimated MWh Sales (March 1, 2017)	84,165 mwh
6	Adjustment (Line 4 / Line 5)	(0.594) ¢/kwh

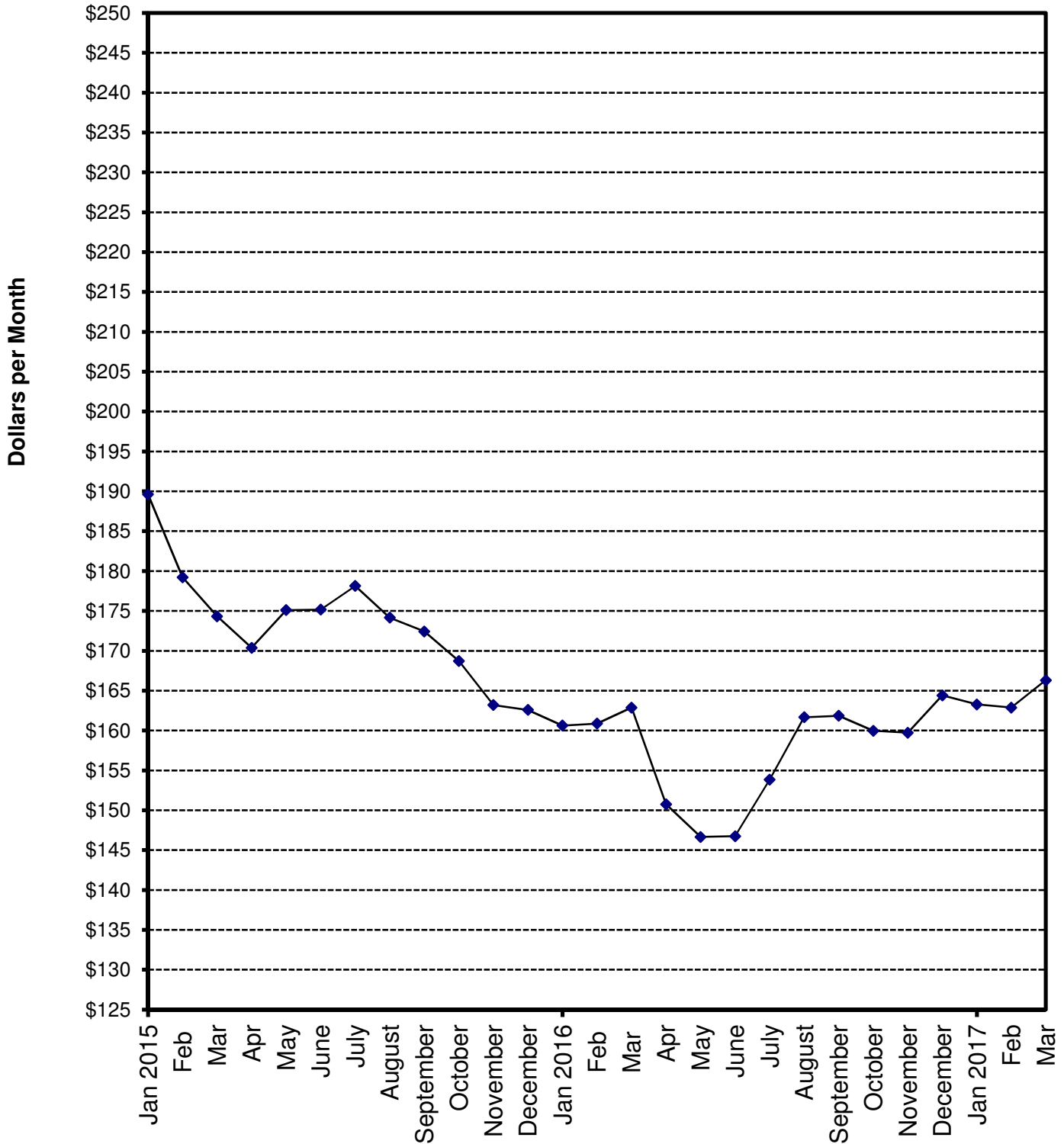
HAWAII ELECTRIC LIGHT COMPANY, INC.
2016 Cumulative Reconciliation Balance

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)		
March					(455,467)		

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 &</u> <u>COMMERCIAL</u>	<u>RESIDENTIAL BILL (\$)</u> <u>@ 500 KWH</u>	<u>RESIDENTIAL BILL (\$)</u> <u>@ 600 KWH</u>
January 1, 2012	9.690	214.24	256.34
January 3, 2012	10.759	219.59	262.75
February 1, 2012	9.220	211.89	253.52
March 1, 2012	10.165	216.62	259.19
April 1, 2012	10.031	215.03	257.28
April 9, 2012	8.553	210.84	252.91
May 1, 2012	8.749	213.77	256.42
June 1, 2012	9.747	218.76	262.41
July 1, 2012	9.320	215.64	258.68
August 1, 2012	7.991	209.09	250.82
September 1, 2012	8.636	212.31	254.69
October 1, 2012	8.294	210.60	252.63
November 1, 2012	6.967	203.82	244.49
December 1, 2012	6.629	202.13	242.46
January 1, 2013	6.897	204.02	244.72
February 1, 2013	7.250	205.19	246.14
March 1, 2013	7.659	207.24	248.59
April 1, 2013	8.128	208.10	249.63
May 1, 2013	7.378	205.53	246.54
June 1, 2013	7.159	207.61	249.02
July 1, 2013	6.537	204.73	245.57
August 1, 2013	6.470	206.02	247.13
September 1, 2013	7.377	210.60	252.62
October 1, 2013	8.458	216.00	259.11
November 1, 2013	7.878	211.84	254.11
December 1, 2013	7.910	212.03	254.35
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

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
01/01/12 - 12/31/12	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.6766 CENTS/KWH
01/01/12 - 04/08/12	INTERIM RATE INCREASE 2010 TEST YEAR	1.74 PERCENT ON BASE
04/01/12 - 04/08/12	FIRM CAPACITY SURCHARGE	0.6427 PERCENT ON BASE
04/01/12 - 04/30/12	SOLARSAVER ADJUSTMENT	-0.3899 CENTS/KWH
04/09/12	FINAL RATE INCREASE (1.28%), DOCKET NO. 2009-0164 (2010 TEST YEAR)	
04/09/12 - 7/31/2012	PURCHASED POWER ADJUSTMENT CLAUSE	2.4355 CENTS/KWH
05/01/12-3/31/13	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/18/12 - 5/31/2013	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	-0.1952 CENTS/KWH
8/1/2012 - 10/31/2012	PURCHASED POWER ADJUSTMENT CLAUSE	2.4540 CENTS/KWH
11/1/2012-1/31/13	PURCHASED POWER ADJUSTMENT CLAUSE	2.4237 CENTS/KWH
01/01/13-6/30/13	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7850 CENTS/KWH
02/01/13-4/30/13	PURCHASED POWER ADJUSTMENT CLAUSE	2.3063 CENTS/KWH
04/01/13 - 04/30/13	SOLARSAVER ADJUSTMENT	-0.2964 CENTS/KWH
05/01/13 - 03/31/14	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/13- 07/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.2452 CENTS/KWH
6/1/2013-5/31/14	RBA RATE ADJUSTMENT	0.4383 CENTS/KWH
7/1/2013-6/30/14	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.8312 CENTS/KWH
8/1/2013-8/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.5712 CENTS/KWH
9/1/2013-9/30/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.5832 CENTS/KWH
10/1/2013-10/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.5802 CENTS/KWH
11/1/2013-11/30/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.3272 CENTS/KWH
12/1/2013-12/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.3347 CENTS/KWH
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

**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			
	2/01/17	3/01/17	2/01/17	3/01/17	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	1.4241	\$7.12	\$7.12	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.3737	2.3809	\$11.87	\$11.90	\$0.03
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	(2.9560)	(2.2740)	-\$14.78	-\$11.37	\$3.41
Green Infrastructure Fee	\$	1.2700	1.2700	\$1.27	\$1.27	\$0.00
Avg Residential Bill at 500 kwh				\$162.87	\$166.31	

Increase (Decrease -)	\$3.44
% Change	2.11%

	Rate		Charge (\$) at 600 Kwh			
	2/01/17	3/01/17	2/01/17	3/01/17	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	1.4241	\$8.54	\$8.54	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.3737	2.3809	\$14.24	\$14.29	\$0.05
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	(2.9560)	(2.2740)	-\$17.74	-\$13.64	\$4.10
Green Infrastructure Fee	\$	1.2700	1.2700	\$1.27	\$1.27	\$0.00
Avg Residential Bill at 600 kwh				\$195.09	\$199.24	

Increase (Decrease -)	\$4.15
% Change	2.13%