2015-06-26 HELCO ECAC - July 2015.pdf

State of Hawaii

Public Utilities Commission

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Form:	Hawaii PUC eFile Non-Docketed
Entity:	Hawaii Electric Light Company, Inc.
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JAY IGNACIO, P. E.
President

June 26, 2015

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 July 2015

Hawai‘i Electric Light Company, Inc.’s (“Hawai‘i Electric Light”) energy cost adjustment factor for July 2015 is 0.264 cents per kilowatt-hour (“kWh”), an increase of 0.843 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying $178.14, an increase of $2.98 compared to the rates effective June 8, 2015. The increase in the typical residential bill is due to the increase in the energy cost adjustment factor (+$4.22), the increase in the Purchased Power Adjustment Clause rate (+$0.05), the decrease in the Public Benefits Fund Surcharge (-$1.42), and the increase in the Green Infrastructure Fee (+$0.13).

Hawai‘i Electric Light’s fuel composite cost of generation increased 110.96 cents per million BTU to 1,285.52 cents per million BTU. The composite cost of distributed generation decreased 0.864 cents per kWh to 15.811 cents per kWh. The composite cost of purchased energy increased 0.651 cents per kWh to 13.447 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 July 1, 2015.

Sincerely,

/s/ Jay M. Ignacio

Attachments

cc: Division of Consumer Advocacy

ATTACHMENT 1

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	EFFECTIVE DATES		
	6-08-15	7/01/15	Change
Composite Cost			
Generation, ¢/mmbtu	1,174.56	1,285.52	110.960
Dispersed Generation Energy, ¢/kWh	16.675	15.811	(0.864)
Purchased Energy, ¢/kWh	12.796	13.447	0.651
Residential Schedule "R"			
Energy Cost Adjustment - ¢/kWh	(0.579)	0.264	0.843
Others - "G,J,P,F"			
Energy Cost Adjustment - ¢/kWh	(0.579)	0.264	0.843
Residential Customer with:			
500 KWH Consumption - $/Bill	$175.16	$178.14	2.98
600 KWH Consumption - $/Bill	$209.85	$213.38	3.53

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

ENERGY COST ADJUSTMENT (ECA) FILING - July 1, 2015 (Page 1 of 2)

Line		
1	Effective Date	July 1, 2015
2	Supercedes Factors of	June 1, 2015

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT

	FUEL PRICES, ¢/mmbtu	
3		
4	Hill Industrial	964.70
5	Puna Industrial	1,023.95
6	Keahole Diesel	1,561.61
6a	Keahole ULSD	1,714.07
7	Waimea ULSD Diesel	1,716.08
8	Hilo Diesel	1,535.60
8a	Hilo (Kanoelehua) ULSD Diesel[1]	1,691.40
9	Puna Diesel	1,537.32
10	Wind	0.00
11	Hydro	0.00
	BTU MIX, %	
12		
13	Hill Industrial	27.050
14	Puna Industrial	0.000
15	Keahole Diesel	57.759
15a	Keahole ULSD	0.381
16	Waimea ULSD Diesel	0.498
17	Hilo Diesel	0.440
17a	Hilo (Kanoelehua) ULSD Diesel[1]	0.498
18	Puna Diesel	6.007
19	Wind	0.000
20	Hydro	7.367
		100.000
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb	1,285.52
22	% Input to System kWh Mix	32.730

EFFICIENCY FACTOR, mmbtu/kWh

	(A)	(B)	(C)	(D)
	Fuel Type	Eff Factor mmbtu/kwh	Percent of Centrl Stn + Wind/Hydro	Weighted Eff Factor
23	Industrial	0.015148	25.861	0.003917
24	Diesel	0.010424	66.772	0.006960
25	Other	0.012621	7.367	0.000930

(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)

26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]	0.0118070
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))	4.96780
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)	(2.15015)
33	Revenue Tax Req Multiplier	1.0975
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))	(2.35979)

DG ENERGY COMPONENT

35	COMPOSITE COST OF DG ENERGY, ¢/kWh	15.811
36	% Input to System kWh Mix	0.076
37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.01202
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)	0.00260
42	Loss Factor	1.067
43	Revenue Tax Req Multiplier	1.0975
44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.00304

SUMMARY OF TOTAL GENERATION FACTOR, ¢/kWh

45	Cntrl Stn+Wind/Hydro (line 34)	(2.35979)
46	DG (line 44)	0.00304
47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(2.35675)

[1] Hilo ULSD same location as Kanoelehua ULSD

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

ENERGY COST ADJUSTMENT (ECA) FILING - July 1, 2015 (Page 2 of 2)

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		13.920
49	PGV	On Peak	11.484
50	PGV	Off Peak	10.501
51	PGV - Add'l 5 MW	On Peak	12.300
52	PGV - Add'l 5 MW	Off Peak	12.300
53	PGV - Add'l 8 MW	On Peak	9.380
54	PGV - Add'l 8 MW	Off Peak	6.250
55	Wailuku Hydro	On Peak	11.484
56	Wailuku Hydro	Off Peak	10.501
57	Hawi Renewable Dev.	On Peak	11.484
58	Hawi Renewable Dev.	Off Peak	10.501
59	Tawhiri (Pakini Nui)	On Peak	18.790
60	Tawhiri (Pakini Nui)	Off Peak	15.110
61			
62	Small Hydro (>100 KW)	On Peak	11.484
63	Small Hydro (>100 KW)	Off Peak	10.501
64	Sch Q Hydro (<100 KW)		10.750
65	FIT		18.900
	PURCHASED ENERGY KWH MIX, %		
66	HEP		48.873
67	PGV	On Peak	12.767
68	PGV	Off Peak	6.946
69	PGV - Addt'l	On Peak	0.000
70	PGV - Addt'l	Off Peak	1.129
71	PGV - Add'l 8 MW	On Peak	1.981
72	PGV - Add'l 8 MW	Off Peak	2.259
73	Wailuku Hydro	On Peak	1.429
74	Wailuku Hydro	Off Peak	0.926
75	Hawi Renewable Dev.	On Peak	4.394
76	Hawi Renewable Dev.	Off Peak	1.838
77	Tawhiri (Pakini Nui)	On Peak	10.118
78	Tawhiri (Pakini Nui)	Off Peak	6.595
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)		0.178
83	FIT		0.567
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		13.447
85	% Input to System kWh Mix		67.194
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		9.03558
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))		1.84044
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		2.15522

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	(0.20153)
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	0.466
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	0.264

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR July 1, 2015

INDUSTRIAL FUEL COSTS:	HILO	PUNA
Average Industrial Fuel Cost - $/BBL	60.7761	60.7761
Land Transportation Cost - $/BBL	--	3.7325
Industrial Costs For Filing - $/BBL	60.7761	64.5087
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	964.70	1,023.95

DIESEL FUEL COSTS:	KEAHOLE	PUNA CT-3	HILO
Average Diesel Fuel Cost - $/BBL	88.8846	88.8846	88.8846
Land Transportation Cost - $/BBL	2.6254	1.2021	1.1016
Diesel Costs For Filing - $/BBL	91.5101	90.0867	89.9862
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,561.61	1,537.32	1,535.60

ULSD FUEL COSTS:	KEAHOLE	WAIMEA	HILO	DISPERSED GENERATION
Average ULSD Fuel Cost - $/BBL	95.8903	95.8903	95.8903	95.8903
Land Transportation Cost - $/BBL	2.3262	2.4411	1.0269	-
ULSD Costs For Filing - $/BBL	98.2165	98.3314	96.9172	95.8903
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,714.07	1,716.08	1,691.40	1,673.48

Dispersed Generation, cents per kWh

DIESEL FUEL COSTS:	COMPOSITE COST OF DISP. GEN.
BBls Fuel:	110.4712
$/BBl Inv Cost:	95.8903
Fuel $ (Prod Sim Consumption x Unit Cost)	10,593.11
Net kWh (from Prod Sim)	67,000
cents/kWh:	15.811

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL				
					COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 05/31/2015	3,761	0.00	20,579	1,217,399.42			
Less: Est'd Inventory Addn			(2,482)	(148,422.23)			
Purchases: Estimate	xxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	(17,661)	(1,044,837.22)			
Actual	0	0.00	23,888	1,405,276.99			
Consumed: Estimate	0	0.00	35,269	2,095,094.99			
Actual	0	0.00	(35,829)	(2,128,359.43)			
Balance Per G/L 05/31/2015	3,761	0.00	23,764	1,396,152.51			
Purchases	xxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	0	0.00	28,296	1,643,477.50			
Consumed	0	0.00	(37,118)	(2,140,468.91)	106.5901	0.0000	106.5901
Balance @ 06/30/2015	3,761	0.00	14,942	899,161.10			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	8,540	539,994.88			
Fuel Balance @ 06/30/2015	3,761	0.00	23,482	1,439,155.98			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxxxx	(1,439,155.98)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxxxx	1,427,144.98			
Total @ 9/30/2013 Avg Price	3,761	0.00	23,482	1,427,144.98			
Weighted Avg Cost/BBL by Location		0.0000		61.2876			
Weighted Avg Cost/BBL @ Avg Cost		0.0000		60.7761			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL EXCLUDE LT	LT	TOTAL
Balance at 05/31/2015	2,642	156,813.30	9,948.35			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Consumed: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Balance Per G/L 05/31/2015	2,642	156,813.30	9,948.35			
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	27	0	35.64			
Consumed	(663)	(38,232.96)	(2,496.50)	57.6666	3.7655	61.4321
Balance @ 06/30/2015	2,006	118,580.34	7,487.49			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	2,006	118,580.34	7,487.49		3.7325	
Reverse Fuel Balance	xxxxxxxxxxxx	(118,580.34)	xxxxxxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	121,916.91	xxxxxxxxxxxxxxxxxxxx			
Total @ 06/30/2015 Avg Price	2,006	121,916.91	7,487.49			
Weighted Avg Cost/BBL by Location		59.1128	3.7325			
Weighted Avg Cost/BBL @ Avg Cost		60.7761	3.7325			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 05/31/2015	48,814.5	2,050,210.0	4,084,437.4	140,781.1			
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		xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxx			
Transfers in: Estimate	(52,888.5)	(2,221,318.0)	(4,412,192.0)	(153,392.6)			
Actual	53,609.1	2,251,583.0	4,425,223.8	152,653.29			
Consumed: Estimate	34,021.2	1,428,892.0	2,915,739.2	106,486.48			
Actual	(40,309.9)	(1,693,014.0)	(3,454,696.4)	(135,634.1)	85.7035		
Balance Per G/L 05/31/2015	43,246.5	1,816,353	3,558,512.00	110,894.21	82.2844		
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxx			
Transfer in	40,797.4	1,713,490.0	3,782,449.9	118,324.6	92.7131		
Consumed	(36,659.0)	(1,539,677.0)	(3,078,240.3)	(105,724.52)	83.9696	2.8840	86.8536
Balance @ 06/30/2015	47,384.9	1,990,166	4,262,721.52	123,494.33	89.9595		
Inventory From Offsite/Transfers	3,318.0	139,356.0	279,468.7	9,623.20			
Est'd Inventory Addition	0.0	0	0.0	0.00			
Fuel Balance @ Avg Price	50,702.9	2,129,522	4,542,190.27	133,117.53	89.5844		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxxxx	(4,542,190.3)	xxxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxxxx	4,506,708.5	xxxxxxxxxxxxxxxxx			
Total @ 06/30/2015 Avg Price	50,702.9	2,129,522	4,506,708.53	133,117.53	88.8846		

Weighted Avg Cost/BBL by Location	89.5844	2.6254
Weighted Avg Cost/BBL @ Avg Cost	88.8846	2.6254

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER BARREL EXCL LT	LT	TOTAL
Balance at 05/31/2015	3,725.0	156,451.0	322,017.6	5,320.0			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers out: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	0.7	29.0	0.0	0.8			
Actual	1.7	71.0	0.0	0.0			
Consumed: Estimate	67.6	2,840.0	5,795.2	98.1			
Actual	(304.7)	(12,799.0)	(26,117.1)	(504.7)			
Balance Per G/L 05/31/2015	3,490.3	146,592	301,695.68	4,914.07			
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	621.1	26,088.0	59,780.7	702.5	96.2431		
Consumed	(819.5)	(34,418)	(68,811.10)	(1,170.35)	83.9696	1.4282	85.3978
Balance @ 06/30/2015	3,292.0	138,262	292,665.31	4,446.23	88.9033		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 06/30/2015	10,172.0	427,222	872,154.46	12,227.51	85.7411		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	(872,154.46)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	904,130.14	xxxxxxxxxxxx			
Total @ 06/30/2015 Avg Price	10,172.0	427,222	904,130.14	12,227.51	88.8846		

Weighted Avg Cost/BBL by Location	85.7411	1.2021
Weighted Avg Cost/BBL @ Avg Cost	88.8846	1.2021

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 05/31/2015	1699.3	71,370	146,861	1,872			
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	16.4	688.0	1403.9	19.6			
Actual	-12.3	-516.0	-1052.9	-14.7			
Balance Per G/L 05/31/2015	1703.4	71,542	147,211.79	1,876.43	86.4233		
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	0.0	0.0	0.0	0.0	0.0000		
Consumed	-9.6	-403.0	-805.7	-10.6	83.9696	1.1014	85.0710
Balance @ 06/30/2015	1,693.8	71,139	146,406.08	1,865.86	86.4372		
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	1,693.8	71,139	146,406.08	1,865.86	86.4372		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxx	-146,406.08	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	150,551.50	xxxxxxxxxxxx			
Total @ 06/30/2015 Avg Price	1,693.8	71,139	150,551.50	1,865.86	88.8846		
Weighted Avg Cost/BBL by Location			86.4372	1.1016			
Weighted Avg Cost/BBL @ Avg Cost			88.8846	1.1016			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 05/31/2015	2,152.4	90,400	209,830.58	6,658.85			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(378.7)	(15,906)	(30,759.03)	(1,098.39)			
Actual	188.7	7,926	15,327.30	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(160)	0.00	(11.05)			
Actual		140	0.00	547.33			
Consumed: Estimate	315.0	13,231	32,172.00	986.02			
Actual	(386.5)	(16,232)	(39,469.11)	(3,043.47)	102.1256		
Balance Per G/L 05/31/2015	1,890.5	79,399	187,101.74	4,039.30	98.9719		
Purchases	754.3	31,680	70,206.07	2,187.65	0.0000		
Estimated Purchases	380.0	15,960	35,368.97	1,102.11			
Transfer in	11.7	493	0.00	34.04	0.00		
Consumed	(390.5)	(16,399)	(38,013.27)	(1,207.95)	97.3570	3.0937	100.4507
Balance @ 06/30/2015	2,646.0	111,133	254,663.50	6,155.16	96.2438		
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	2,646.0	111,133	254,663.50	6,155.16	96.2438		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(254,663.50)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	253,727.92	xxxxxxxxxxxx			
Total @ 06/30/2015 Avg Price	2,646.0	111,133	253,727.92	6,155.16	95.8903		
Weighted Avg Cost/BBL by Location			96.2438	2.3262			
Weighted Avg Cost/BBL @ Avg Cost			95.8903	2.3262			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 05/31/2015	1,557.9	65,431.0	147,099.4	3,966.53			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(23,839)	(46,099.87)	(1,371.43)			
Actual		15,859.0	30,668.1	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxx			
Transfers in: Estimate	7.2	304	0.00	0.00			
Actual	7.0	294	0.00	912.35			
Consumed: Estimate	338.5	14,217	34,569.52	891.61			
Actual	(557.4)	(23,409)	(56,920.42)	(1,477.04)			
Balance Per G/L 05/31/2015	1,163.3	48,857	109,316.76	2,922.03	93.9743		
ULSD Purchases	754.0	31,668	70,179.49	1,821.81	93.0762		
Estimated Purchases	190.0	7,980	17,684.49	459.08			
Transfer in	xxxxxxxxxxx	132	0.00	0.00	#DIV/0!		
Consumed	(487.0)	(20,456)	(47,417.49)	(1,240.08)	97.3570	2.5461	99.9031
Balance @ 06/30/2015	1,623.4	68,181	149,763.24	3,962.84	92.2553		
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	1,623.4	68,181	149,763.24	3,962.84	92.2553		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxxx	(149,763.24)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxxx	155,664.14	xxxxxxxxxxx			
Total @ 06/30/2015 Avg Price	1,623.4	68,181	155,664.14	3,962.84	95.8903		
Weighted Avg Cost/BBL by Location			92.2553	2.4411			
Weighted Avg Cost/BBL @ Avg Cost			95.8903	2.4411			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 05/31/2015	1,308.1	54,939.0	130,954.4	1,451.7		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	0.0	0	0.00	0.00		
Actual	0.0	0	0.00	0.00		
Transfers out: Estimate		x	x	x		
Actual		x	x	x		
Transfers in: Estimate		0	0.00	0.00		
Actual		0	0.00	0.00		
Consumed: Estimate	130.7	5,489	13,346.84	134.21		
Actual	(153.2)	(6,433)	(15,642.23)	(155.00)		
Balance Per G/L 05/31/2015	1,285.6	53,995	128,658.98	1,430.94		
ULSD Purchases	377	15,822	35,063.16	376.04	93.07626849	
Estimated Purchases	190	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(348.1)	(14,621)	(33,891.82)	(391.53)	97.35699552	1.1098
Balance @ 06/30/2015	1,504.2	63,176	147,514.81	1,544.65		
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	1,504.2	63,176	147,514.81	1,544.65		
Reverse Fuel Balance	x	x	(147,514.81)	x		
Fuel Balance @ Avg Price	x	x	144,237.22	x		
Total @ 06/30/2015 Avg Price	1,504.2	63,176	144,237.22	1,544.65		
Weighted Avg Cost/BBL by Location			98.0692	1.0269		
Weighted Avg Cost/BBL @ Avg Cost			95.8903	1.0269		

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
June 2015

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 05/31/2015	98.8	4,148	10,300.68	
Less: Est'd Inven Addition	0.0	XXXXXXXX	XXXXXXXXX	
Purchases: Estimate	(14.2)	(595)	(1,150.62)	
Actual	14.2	595	1,150.61	
Consumed: Estimate	8.1	339	824.30	
Actual	(5.5)	(230)	291.53	
	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx	
	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx	
	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx	
	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx	
Balance Per G/L 05/31/2015	101.36	4,257	11,416.50	112.6364
Purchases	0.0	0	0.00	0.0000
Transfer out	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx	
Transfer in	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx	
Consumed	(6.5)	(275)	(637.46)	97.3570
Balance @ 06/30/2015	94.8	3,982	10,779.04	113.6916
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 06/30/2015	94.8	3,982	10,779.04	
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxx	(10,779.04) xxxx	
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxx	9,091.31 xxxx	
Total @ 06/30/2015 Avg Price	94.8	3,982	9,091.31	95.8903

HAWAII ELECTRIC LIGHT COMPANY, INC.
CONTRACT PRICES EFFECTIVE June 1, 2015

TYPE OF OIL BURNED

INDUSTRIAL *	Hill Industrial ¢/MBTU	Hill Industrial $/BBL	Puna Industrial ¢/MBTU	Puna Industrial $/BBL
Tax [1]	52.82	3.3270	52.82	3.3270
Ocean Transportation	57.15	3.6002	57.15	3.6002
Storage	17.20	1.0833	17.20	1.0833
Wharfage	3.65	0.2300	3.65	0.2300

DIESEL *	Hilo Diesel ¢/MBTU	Hilo Diesel $/BBL	Waimea Diesel ¢/MBTU	Waimea Diesel $/BBL
Tax [1]	94.00	5.7223	97.66	5.7223
Ocean Transportation	61.44	3.6002	61.44	3.6002
Storage	18.49	1.0833	18.49	1.0833
Wharfage	3.92	0.2300	3.92	0.2300

	Kona Diesel ¢/MBTU	Kona Diesel $/BBL	CT3 Diesel ¢/MBTU	CT3 Diesel $/BBL
Tax [1]	94.00	5.7223	94.00	5.7223
Ocean Transportation	61.44	3.6002	61.44	3.6002
Storage	18.49	1.0833	18.49	1.0833
Wharfage	3.92	0.2300	3.92	0.2300

ULSD **	ULSD ¢/MBTU	ULSD $/BBL
Tax [1]	33.71	1.9320
Ocean Transportation	0.00	0.0000
Storage	0.00	0.0000
Wharfage	0.00	0.0000

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

Note: Since the components above are not accounted for separately in inventory, contract prices for the current month are being provided. Contract prices are considered accurate pending actual delivery of fuel.

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

** ULSD includes Waimea, Kanoelehua, and Keahole.

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

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR July 1, 2015

		July 1, 2015 (¢/kWh)	Floor Rates (¢/kWh)
PGV (25 MW)	- on peak	11.484	6.560
PGV (22 MW)	- off peak	10.501	5.430
WAILUKU HYDRO	- on peak	11.484	7.240
	.	10.501	5.970
Other: (<100 KW)	Sch Q Rate	10.75	

		July 1, 2015 (¢/kWh)	Floor Rates (¢/kWh)
HEP		13.920	
PGV Addtl 5 MW	- on peak	12.3000	0.0000
	- off peak	12.3000	0.0000
PGV Addtl 8 MW	- on peak	9.3800	0.0000
	- off peak	6.2500	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
July 1, 2015

Line No.	Description	Amount
1	Amount to be returned or collected	$1,118,800
2	Monthly Amount ($^1/_3$ x Line 1)	$372,933
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	$409,300
5	Estimated MWh Sales (July 1, 2015)	87,862 mwh
6	Adjustment (Line 4 / Line 5)	0.466 ¢/kwh

HAWAII ELECTRIC LIGHT COMPANY, INC.

2015 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	(373,000)	[3]	8,070	(381,070)	124,333	125,960	(208,168)
December 14					124,333	124,559	(83,609)
January 15					124,333	117,173	33,564
February	534,600	[4]	5,320	529,280	(178,200)	(180,037)	382,807
March					(178,200)	(176,746)	206,061
April					(178,200)	(179,220)	26,841
May	(1,118,800)	[1]	(7,543)	(1,111,257)	372,933	373,805	(710,611)
June					372,933		
July					372,933		
August							
September							
October							
November							
December							

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))

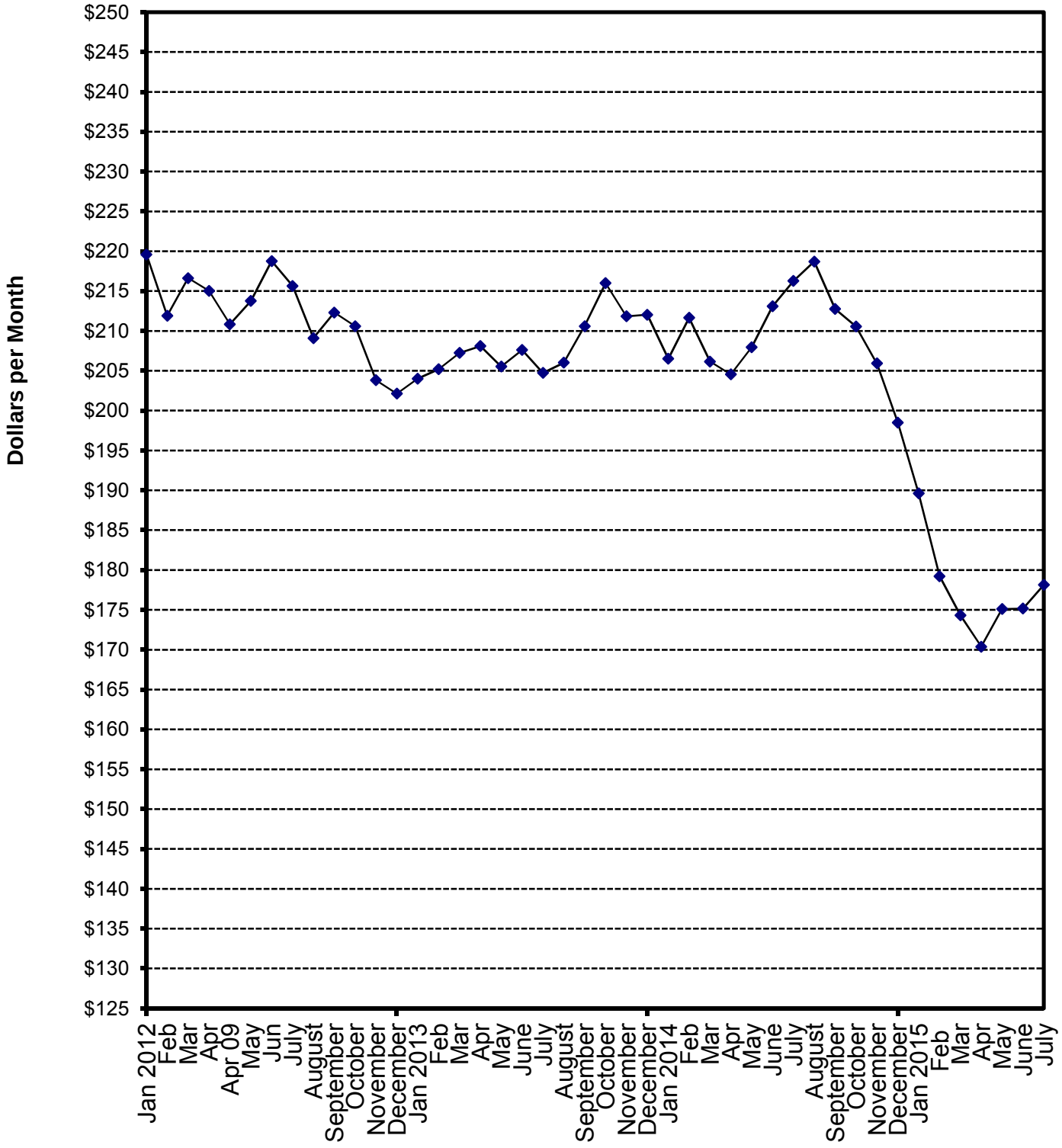
Col(3): FOA reconciliation generated in the current quarter. The YTD FOA reconciliation difference minus the adjustment variance. Col(1)-Col(2)

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

EFFECTIVE DATE	FUEL FACTOR CENTS / KWH RESIDENTIAL & COMMERCIAL	RESIDENTIAL BILL ($) @ 500 KWH	@ 600 KWH
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

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	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	PURCHASED POWER ADJUSTMENT CLAUSE	2.4237 CENTS/KWH
01/01/13	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7850 CENTS/KWH
02/01/13	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	RBA RATE ADJUSTMENT	0.4383 CENTS/KWH
7/1/2013	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	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	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	**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	**RBA RATE ADJUSTMENT**	**1.3971 CENTS/KWH**
7/1/2015-7/31/2015	**PURCHASED POWER ADJUSTMENT CLAUSE**	**2.3157 CENTS/KWH**
7/1/2015	**RESIDENTIAL PBF SURCHARGE ADJUSTMENT**	**0.4749 CENTS/KWH**
7/1/2015	**GREEN INFRASTRUCTURE FEE**	**1.4200 DOLLARS/MONTH**

* Surcharges currently in effect are in **BOLD**

**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		
		6/08/15	7/01/15	6/08/15	7/01/15	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	1.3971	1.3971	$6.99	$6.99	$0.00
Purchased Power Adj. Clause	¢/kwh	2.3064	2.3157	$11.53	$11.58	$0.05
PBF Surcharge	¢/kwh	0.7583	0.4749	$3.79	$2.37	-$1.42
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	(0.5790)	0.2640	-$2.90	$1.32	$4.22
Green Infrastructure Fee	$	1.2900	1.4200	$1.29	$1.42	$0.13
Avg Residential Bill at 500 kwh				$175.16	$178.14	
				Increase (Decrease -)		$2.98
				% Change		1.70%

		Rate		Charge ($) at 600 Kwh		
		6/08/15	7/01/15	6/08/15	7/01/15	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	1.3971	1.3971	$8.38	$8.38	$0.00
Purchased Power Adj. Clause	¢/kwh	2.3064	2.3157	$13.84	$13.89	$0.05
PBF Surcharge	¢/kwh	0.7583	0.4749	$4.55	$2.85	-$1.70
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	(0.5790)	0.2640	-$3.47	$1.58	$5.05
Green Infrastructure Fee	$	1.2900	1.4200	$1.29	$1.42	$0.13
Avg Residential Bill at 600 kwh				$209.85	$213.38	
				Increase (Decrease -)		$3.53
				% Change		1.68%