

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

July 29, 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 August 2015

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment factor for August 2015 is -0.586 cents per kilowatt-hour ("kWh"), a decrease of 0.850 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$174.16, a decrease of \$3.98 compared to the rates effective July 1, 2015. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$4.25) and the increase in the Purchased Power Adjustment Clause rate (+\$0.27).

Hawai'i Electric Light's fuel composite cost of generation increased 177.77 cents per million BTU to 1,463.29 cents per million BTU. The composite cost of distributed generation decreased 0.683 cents per kWh to 15.128 cents per kWh. The composite cost of purchased energy decreased 0.795 cents per kWh to 12.652 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 August 1, 2015.

Sincerely,

/s/ Jay M. Ignacio

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>7/01/15</u>	<u>8/01/15</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,285.52	1,463.29	177.770
Dispersed Generation Energy, ¢/kWh	15.811	15.128	(0.683)
Purchased Energy, ¢/kWh	13.447	12.652	(0.795)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	0.264	(0.586)	(0.850)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	0.264	(0.586)	(0.850)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$178.14	\$174.16	(3.98)
600 KWH Consumption - \$/Bill	\$213.38	\$208.61	(4.77)

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

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

<u>Line</u>		
1	Effective Date	August 1, 2015
2	Supercedes Factors of	July 1, 2015

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		974.22			
5	Puna Industrial		1,012.03			
6	Keahole Diesel		1,608.51			
6a	Keahole ULSD		1,607.89			
7	Waimea ULSD Diesel		1,610.19			
8	Hilo Diesel		1,580.34			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,586.02			
9	Puna Diesel		1,581.15			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		2.325			
14	Puna Industrial		0.000			
15	Keahole Diesel		65.056			
15a	Keahole ULSD		2.860			
16	Waimea ULSD Diesel		3.013			
17	Hilo Diesel		0.610			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.991			
18	Puna Diesel		17.351			
19	Wind		0.000			
20	Hydro		7.794			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,463.29			
22	% Input to System kWh Mix		28.061			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of			
	Fuel Type	Eff Factor	Centrl Stn +	Weighted		
		mmbtu/kwh	Wind/Hydro	Eff Factor		
23	Industrial	0.015148	1.994	0.000302		
24	Diesel	0.010424	90.212	0.009404		
25	Other	0.012621	7.794	0.000984		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0106900		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))				4.38946	
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)				(2.72849)	
33	Revenue Tax Req Multiplier				1.0975	
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))				(2.99452)	
				DG ENERGY COMPONENT		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	15.128
				36	% Input to System kWh Mix	0.571
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.08638
				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)	0.07696
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.09012
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(2.99452)
				46	DG (line 44)	0.09012
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(2.90440)

¹ Hilo ULSD same location as Kanoelehua ULSD

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

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

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		13.472
49	PGV	On Peak	11.449
50	PGV	Off Peak	10.517
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	11.449
56	Wailuku Hydro	Off Peak	10.517
57	Hawi Renewable Dev.	On Peak	11.449
58	Hawi Renewable Dev.	Off Peak	10.517
59	Tawhiri (Pakini Nui)	On Peak	18.590
60	Tawhiri (Pakini Nui)	Off Peak	14.940
61			
62	Small Hydro (>100 KW)	On Peak	11.449
63	Small Hydro (>100 KW)	Off Peak	10.517
64	Sch Q Hydro (<100 KW)		10.740
65	FIT		18.900
	PURCHASED ENERGY KWH MIX, %		
66	HEP		37.114
67	PGV	On Peak	16.422
68	PGV	Off Peak	10.129
69	PGV - Addt'l	On Peak	2.823
70	PGV - Addt'l	Off Peak	2.279
71	PGV - Add'l 8 MW	On Peak	4.108
72	PGV - Add'l 8 MW	Off Peak	4.449
73	Wailuku Hydro	On Peak	1.082
74	Wailuku Hydro	Off Peak	0.762
75	Hawi Renewable Dev.	On Peak	4.182
76	Hawi Renewable Dev.	Off Peak	1.849
77	Tawhiri (Pakini Nui)	On Peak	8.584
78	Tawhiri (Pakini Nui)	Off Peak	5.513
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)		0.170
83	FIT		0.534
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		12.652
85	% Input to System kWh Mix		71.368
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		9.02948
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))		1.83434
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		2.14807

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) (0.75633)	
95	Not Used 0.000	
96	Not Used 0.000	
97	ECA Reconciliation Adjustment 0.170	
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97)) (0.586)	

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

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	61.3757	61.3757
Land Transportation Cost - \$/BBL	--	2.3822
Industrial Costs For Filing - \$/BBL	61.3757	63.7580
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	974.22	1,012.03

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	91.5162	91.5162	91.5162
Land Transportation Cost - \$/BBL	2.7424	1.1392	1.0921
Diesel Costs For Filing - \$/BBL	94.2585	92.6553	92.6082
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,608.51	1,581.15	1,580.34

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	89.8542	89.8542	89.8542	89.8542
Land Transportation Cost - \$/BBL	2.2778	2.4099	1.0250	-
ULSD Costs For Filing - \$/BBL	92.1319	92.2641	90.8792	89.8542
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,607.89	1,610.19	1,586.02	1,568.14

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	865.3578
\$/BBI Inv Cost:	89.8542
Fuel \$ (Prod Sim Consumption x Unit Cost)	77,756.00
Net kWh (from Prod Sim)	514,000
cents/kWh:	15.128

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 06/30/2015	3,761	0.00	23,482	1,439,155.98			
Less: Est'd Inventory Addn			(8,540)	(539,994.88)			
Purchases: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	(28,296)	(1,643,477.50)			
Actual	0	0.00	40,065	2,397,434.48			
Consumed: Estimate	0	0.00	37,118	2,140,468.91			
Actual	0	0.00	(37,705)	(2,174,319.15)			
Balance Per G/L 06/30/2015	3,761	0.00	26,124	1,619,267.84			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	36,559	2,263,819.91			
Consumed	0	0.00	(39,002)	(2,370,389.45)	106.5901	0.0000	106.5901
Balance @ 07/31/2015	3,761	0.00	23,681	1,512,698.30			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 07/31/2015	<u>3,761</u>	<u>0.00</u>	<u>23,681</u>	<u>1,512,698.30</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxxx	(1,512,698.30)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxxx	1,453,438.98			
Total @ 9/30/2013 Avg Price	<u>3,761</u>	<u>0.00</u>	<u>23,681</u>	<u>1,453,438.98</u>			

Weighted Avg Cost/BBL by Location 0.0000 63.8781

Weighted Avg Cost/BBL @ Avg Cost 0.0000 61.3757

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 06/30/2015	2,006	118,580.34	7,487.49			
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	(27)	0.00	(35.64)			
Actual	616	0.00	0.00			
Consumed: Estimate	663	38,232.96	2,496.50			
Actual	(1,084)	(62,510.59)	(4,081.80)			
Balance Per G/L 06/30/2015	<u>2,174</u>	<u>94,302.71</u>	<u>5,866.55</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	346	0	456.72			
Consumed	(237)	<u>(14,403.94)</u>	(884.60)	60.7761	3.7325	64.5086
Balance @ 07/31/2015	<u>2,283</u>	<u>79,898.77</u>	<u>5,438.67</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>2,283</u>	<u>79,898.77</u>	<u>5,438.67</u>		<u>2.3822</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(79,898.77)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	140,120.82	XXXXXXXXXXXX			
Total @ 07/31/2015 Avg Price	<u>2,283</u>	<u>140,120.82</u>	<u>5,438.67</u>			

Weighted Avg Cost/BBL by Location

34.9973

2.3822

Weighted Avg Cost/BBL @ Avg Cost

61.3757

2.3822

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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 06/30/2015	50,702.9	2,129,522.0	4,542,190.3	133,117.5			
Less: Est'd Inventory Addition	(3,318.0)	(139,356.0)	(279,468.7)	(9,623.2)			
Purchases: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Transfers out: Estimate		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfers in: Estimate	(40,797.4)	(1,713,490.0)	(3,782,449.9)	(118,324.6)			
Actual	40,619.5	1,706,018.0	3,647,894.6	115,852.41			
Consumed: Estimate	36,659.0	1,539,677.0	3,078,240.3	105,724.52			
Actual	(32,119.4)	(1,349,015.0)	(2,697,053.6)	(92,632.4)	83.9696		
Balance Per G/L 06/30/2015	51,746.6	2,173,356	4,509,353.02	134,114.26	87.1430		
Purchases	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	30,695.9	1,289,229.0	2,858,170.9	89,027.4	93.1124		
Consumed	(25,185.4)	(1,057,786.0)	(2,238,592.5)	(66,121.70)	88.8846	2.6254	91.5100
Balance @ 07/31/2015	57,257.1	2,404,799	5,128,931.40	157,019.96	89.5772		
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	57,257.1	2,404,799	5,128,931.40	157,019.96	89.5772		
Reverse Fuel Balance	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	(5,128,931.4)	xxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	5,239,951.5	xxxxxxxxxxxxxx			
Total @ 07/31/2015 Avg Price	57,257.1	2,404,799	5,239,951.47	157,019.96	91.5162		

Weighted Avg Cost/BBL by Location 89.5772 2.7424

Weighted Avg Cost/BBL @ Avg Cost 91.5162 2.7424

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 06/30/2015	10,172.0	427,222.0	872,154.5	12,227.5			
Less: Est'd Inven Addition	(6,880.0)	(288,960.0)	(579,489.2)	(7,781.3)			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers in: Estimate	(621.1)	(26,088.0)	(59,780.7)	(702.5)			
Actual	1,361.9	57,200.0	146,274.7	1,703.2			
Consumed: Estimate	819.5	34,418.0	68,811.1	1,170.4			
Actual	(1,504.9)	(63,204.0)	(126,362.3)	(2,149.2)			
Balance Per G/L 06/30/2015	3,347.3	140,588	321,608.17	4,467.98			
Purchases		XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		
Transfer out		XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		
Transfer in	8,356.9	350,989.0	779,426.5	9,451.6	93.2676		
Consumed	(7,590.9)	(318,817)	(674,712.42)	(9,125.00)	88.8846	1.2021	90.0867
Balance @ 07/31/2015	4,113.3	172,760	426,322.21	4,794.61	103.6440		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 07/31/2015	17,427.0	731,935	#####	19,852.41	96.7988		
Reverse Fuel Balance		XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	#####	XXXXXXXXXXXXXX		
Fuel Balance @ Avg Price		XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	#####	XXXXXXXXXXXXXX		
Total @ 07/31/2015 Avg Price	17,427.0	731,935	#####	19,852.41	91.5162		

Weighted Avg Cost/BBL by Location 96.7988 1.1392

Weighted Avg Cost/BBL @ Avg Cost 91.5162 1.1392

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 06/30/2015	1693.8	71,139	146,406	1,866			
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	9.6	403.0	805.7	10.6			
Actual	-7.6	-320.0	-639.8	-8.4			
Balance Per G/L 06/30/2015	1695.8	71,222	146,572.02	1,868.03	86.4343		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	-13.6	-570.0	0.0	-13.5	0.0000		
Consumed	-70.0	-2942.0	-6226.2	-77.2	88.8846	1.1016	89.9862
Balance @ 07/31/2015	1,612.1	67,710	140,345.87	1,777.32	87.0555		
Inven From Offsite/Transfers	178.6	7501.2	16910.5	178.3			
Est'd Inventory Addition	0.0	1.8	3.8	0.0			
Fuel Balance @ Avg Price	1,790.8	75,213	157,260.17	1,955.64	87.8163		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -157,260.17	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 163,885.83	XXXXXXXXXXXX			
Total @ 07/31/2015 Avg Price	1,790.8	75,213	163,885.83	1,955.64	91.5162		

Weighted Avg Cost/BBL by Location

87.8163 1.0921

Weighted Avg Cost/BBL @ Avg Cost

91.5162 1.0921

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 06/30/2015	1,623.4	68,181.0	149,763.3	3,962.84			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(39,648)	(87,863.98)	(2,280.89)			
Actual		31,668.0	70,179.5	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(3.1)	(132)	0.00	0.00			
Actual	9.2	388	0.00	1,821.81			
Consumed: Estimate	487.0	20,456	47,417.49	1,240.08			
Actual	(546.5)	(22,953)	(53,205.60)	(1,409.34)			
Balance Per G/L 06/30/2015	1,380.0	57,960	126,290.65	3,334.50	91.5150		
ULSD Purchases	376.2	15,801	33,893.15	909.01	90.0900		
Estimated Purchases	190.0	7,980	17,117.10	459.08			
Transfer in	xxxxxxxxxxxx	79	0.00	0.00	#DIV/0!		
Consumed	(594.2)	(24,956)	(56,977.10)	(1,450.48)	95.8903	2.4411	98.3314
Balance @ 07/31/2015	1,353.9	56,864	120,323.80	3,252.10	88.8717		
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	1,353.9	56,864	120,323.80	3,252.10	88.8717		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(263,836.30)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	274,594.34	xxxxxxxxxxxx			
Total @ 07/31/2015 Avg Price	1,353.9	56,864	131,081.84	3,252.10	96.8176		

Weighted Avg Cost/BBL by Location

88.8717 2.4020

Weighted Avg Cost/BBL @ Avg Cost

96.8176 2.4020

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 06/30/2015	1,504.2	63,176.0	147,514.8	1,544.6		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	(566.7)	(23,802)	(52,747.65)	(505.24)		
Actual	376.7	15,822	35,063.16	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate		0	0.00	0.00		
Actual		0	0.00	376.04		
Consumed: Estimate	348.1	14,621	33,891.82	391.53		
Actual	(333.2)	(13,995)	(32,440.74)	(369.80)		
Balance Per G/L 06/30/2015	1,329.1	55,822	131,281.40	1,437.18		
ULSD Purchases	188	7,901	16,947.65	187.78	90.09002658	
Estimated Purchases	0	-	-	-		
Transfer in	19	778	0.00	18.49		
Consumed	(194.3)	(8,160)	(18,630.12)	(226.41)	95.8903	1.0269
Balance @ 07/31/2015	1,341.5	56,341	129,598.94	1,417.04		
Inventory From Offsite/Transfers	0.0	0	0.00	0.00		
Est'd Inventory Addition	1,567.5	65,837	132,168.09	1,564.73		
Fuel Balance @ Avg Price	2,909.0	122,178	261,767.03	2,981.77		
Reverse Fuel Balance	x	x	(261,767.03)	x		
Fuel Balance @ Avg Price	x	x	261,385.78	x		
Total @ 07/31/2015 Avg Price	2,909.0	122,178	261,385.78	2,981.77		

Weighted Avg Cost/BBL by Location 89.9852 1.0250

Weighted Avg Cost/BBL @ Avg Cost 89.8542 1.0250

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 06/30/2015	94.8	3,982	10,779.04	
Less: Est'd Inven Addition	0.0	XXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	6.5	275	637.46	
Actual	(17.1)	(720)	(1,668.98)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 06/30/2015	84.21	3,537	9,747.52	115.7466
Purchases	24.7	1,038	2,226.51	90.0900
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(39.1)	(1,644)	(3,753.42)	95.8903
Balance @ 07/31/2015	91.2	3,831	10,151.11	111.2886
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 07/31/2015	91.2	3,831	10,151.11	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(10,151.11)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	8,195.98	xxxx
Total @ 07/31/2015 Avg Price	91.2	3,831	8,195.98	89.8542

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

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	55.04	3.4674	55.04	3.4674
Ocean Transportation	58.91	3.7116	58.91	3.7116
Storage	17.20	1.0833	17.20	1.0833
Wharfage	3.81	0.2400	3.81	0.2400

DIESEL *	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	91.92	5.5940	95.46	5.5940
Ocean Transportation	63.34	3.7116	63.34	3.7116
Storage	18.49	1.0833	18.49	1.0833
Wharfage	4.10	0.2400	4.10	0.2400

	<u>Kona Diesel</u>		<u>CT3 Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	91.92	5.5940	91.92	5.5940
Ocean Transportation	63.34	3.7116	63.34	3.7116
Storage	18.49	1.0833	18.49	1.0833
Wharfage	4.10	0.2400	4.10	0.2400

ULSD **	<u>ULSD</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>
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 August 1, 2015

		August 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	11.449	6.560
PGV (22 MW)	- off peak	10.517	5.430
WAILUKU HYDRO	- on peak	11.449	7.240
	.	10.517	5.970
Other: (<100 KW)	Sch Q Rate	10.74	
		August 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		13.472	
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
August 1, 2015

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be returned or collected	\$421,800
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	\$140,600
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$154,310
5	Estimated MWh Sales (August 1, 2015)	90,609 mwh
6	Adjustment (Line 4 / Line 5)	0.170 ¢/kwh

HAWAII ELECTRIC LIGHT COMPANY, INC.
2015 FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY
(Thousand \$)

<u>LINE</u>	<u>DESCRIPTION</u>	Info Only June 2015 YTD Total <u>No Deadband</u>	collectn by <u>company*</u>	Basis for Recon June 2015 YTD Total <u>Deadband</u>	Collection or Refund by <u>Company</u>
ACTUAL COSTS:					
1	Generation	\$39,619.7		\$39,619.7	
2	Distributed Generation	\$6.6		\$6.6	
3	Purch Power	\$36,958.1		\$36,958.1	
4	TOTAL	<u>\$76,584.4</u>		<u>\$76,584.4</u>	
FUEL FILING COST (1)					
5	Generation	\$39,476.0		\$39,626.7	
6	Distributed Generation	\$6.6		\$6.6	
7	Purch Power	\$36,958.1		\$36,958.1	
8	TOTAL	<u>\$76,440.7</u>		<u>\$76,591.4</u>	
BASE FUEL COST					
9	Generation	\$35,656.8		\$35,656.8	
10	Distributed Generation	\$3.0		\$3.0	
11	Purch Power	\$39,481.7		\$39,481.7	
12	TOTAL	<u>\$75,141.5</u>		<u>\$75,141.5</u>	
13	FUEL-BASE COST (Line 8-12)	\$1,299.2		\$1,449.9	
14	ACTUAL FOA LESS TAX	\$244.8		\$244.8	
15	Less: FOA reconciliation adj for prior year	-\$410.3		-\$410.3	
16	ADJUSTED FOA LESS TAX	<u>\$655.1</u>		<u>\$655.1</u>	
17	FOA-(FUEL-BASE) (Line 16-13)	-\$644.1	under	-\$794.8	under
ADJUSTMENTS:					
18	Current year FOA accrual reversal	-\$745.8		-\$745.8	
19	Other prior year FOA	\$0.0		\$0.0	
20	Other	<u>\$0.0</u>		<u>\$0.0</u>	
21	QUARTERLY FOA RECONCILIATION (Line 17+18+19+20)	<u>-\$1,389.9</u>	under	<u>-\$1,540.6</u>	under
22	First Quarter FOA reconciliation			-1,118.8	under
23	FOA Reconciliation to be Returned or Collected			-421.8	under

* Over means an over-collection by the Company.
Under means an under-collection by the Company.

**Hawai'i Electric Light Company
DEADBAND CALCULATION
2015**

Jan 1 - Jun, 2015
YTD

	Notes	
<u>Industrial</u>		
Industrial Efficiency Factor (per D&O), BTU/kWh*	f	15,148
Industrial Deadband Definition, +/- BTU/kWh	d	100
Industrial Portion of Recorded Sales, kWh	a	86,629,947
Industrial Consumption (Recorded), MMBTU	b	1,253,862
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	14,474
Lower limit of Industrial Deadband, BTU/kWh	e= f-d	15,048
Higher limit of Industrial Deadband, BTU/kWh	g=f+d	15,248
Industrial Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	15,048
<u>Diesel</u>		
Diesel Efficiency Factor (per D&O), BTU/kWh*	f	10,424
Diesel Deadband Definition, +/- BTU/kWh	d	100
Diesel Portion of Recorded Sales, MWh	a	146,495,327
Diesel Consumption (Recorded), MMBTU	b	1,570,603
Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	10,721
Lower limit of Diesel Deadband, BTU/kWh	e= f-d	10,324
Higher limit of Diesel Deadband, BTU/kWh	g=f+d	10,524
Diesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	10,524
<u>Biodiesel</u>		
Biodiesel Efficiency Factor (per D&O), BTU/kWh*	f	0
Biodiesel Deadband Definition, +/- BTU/kWh	d	100
Biodiesel Portion of Recorded Sales, MWh	a	0
Biodiesel Consumption (Recorded), MMBTU	b	0
Biodiesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	0
Lower limit of Biodiesel Deadband, BTU/kWh	e= f-d	-100
Higher limit of Biodiesel Deadband, BTU/kWh	g=f+d	100
Biodiesel Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	0
<u>Hydro</u>		
Hydro Efficiency Factor (per D&O), BTU/kWh*	f	12,621
Hydro Deadband Definition, +/- BTU/kWh	d	100
Hydro Portion of Recorded Sales, MWh	a	8,794,396
Hydro Consumption (Recorded), MMBTU	b	107,369
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	12,209
Lower limit of Hydro Deadband, BTU/kWh	e= f-d	12,521
Higher limit of Hydro Deadband, BTU/kWh	g=f+d	12,721
Hydro Efficiency Factor for cost-recovery, BTU/kWh	h=c, e, or g	12,521

* YTD Efficiency Factor (per D&O) is actual YTD & projected to the end of the year weighted by calendar days in the year.

HAWAII ELECTRIC LIGHT COMPANY, INC.
GENERATION FUEL FILING COST AND GENERATION BASE FUEL COST
WITHOUT and WITH DEADBAND
2015

	Without Deadband	With Deadband
	<u>Jan 1 - Jun 30</u>	<u>Jan 1 - Jun 30</u>
<u>INDUSTRIAL FUEL FILING COST</u>		
Industrial Portion of Recorded Sales , kWh	86,629,947	86,629,947
Industrial Efficiency Factor (mmbtu/kwh)	0.015148	0.015048
Mmbtu adjusted for Sales Efficiency Factor	1,312,270	1,303,607
\$/mmbtu	<u>\$10.7278</u>	<u>\$10.7278</u>
TOTAL INDUSTRIAL \$000s TO BE RECOVERED	\$14,077.758	\$13,984.823
<u>DIESEL FUEL FILING COST</u>		
Diesel Portion of Recorded Sales, kWh	146,495,327	146,495,327
Diesel Efficiency Factor (mmbtu/kwh)	0.010424	0.010524
Mmbtu adjusted for Sales Efficiency Factor	1,527,067	1,541,717
\$/mmbtu	<u>\$16.6320</u>	<u>\$16.6320</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$25,398.195	\$25,641.846
<u>HYDRO FUEL FILING COST</u>		
Hydro Portion of Recorded Sales , kWh	8,794,396	8,794,396
Hydro Efficiency Factor (mmbtu/kwh)	0.012621	0.012521
Mmbtu adjusted for Sales Efficiency Factor	110,994	110,115
\$/mmbtu	<u>\$0.0000</u>	<u>\$0.0000</u>
TOTAL HYDRO \$000s TO BE RECOVERED	\$0.000	\$0.000
TOTAL GENERATION FUEL FILING COST, \$000s	\$39,476.0	\$39,626.7
<u>CALCULATION OF GENERATION BASE FUEL COST</u>		
TOTAL GENERATION BASE FUEL COST, \$000s	\$35,656.8	\$35,656.8
TOTAL GENERATION FUEL FILING COST, \$000s YTD	\$39,476.0	\$39,626.7
TOTAL GENERATION BASE FUEL COST YTD	\$35,656.8	\$35,656.8

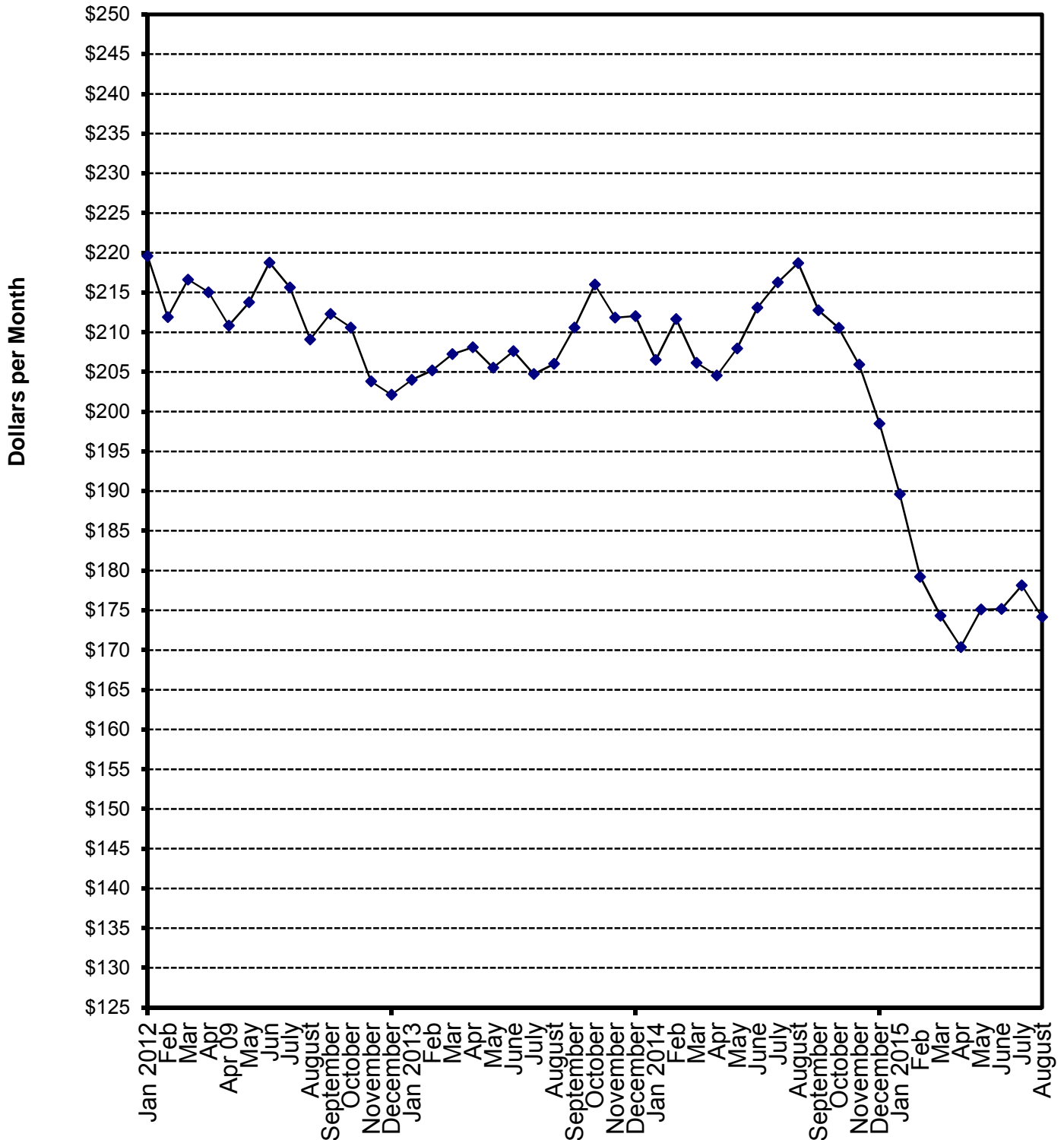
HAWAII ELECTRIC LIGHT COMPANY, INC.
2015 Cumulative Reconciliation Balance

<u>Month</u>	(1) <u>YTD FOA Reconciliation</u>	<u>Qtr</u>	(2) <u>FOA Rec Adjust Variance</u>	(3) <u>FOA Rec Less Variance</u>	(4) <u>Try to Collect</u>	(5) <u>Actual Collect</u>	(6) <u>Month-end Cumulative Balance</u>
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	385,321	(325,290)
July					372,933		
August	(421,800)	[2]	12,240	(434,040)	140,600		
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**

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>RESIDENTIAL BILL (\$) @ 500 KWH</u>	<u>RESIDENTIAL BILL (\$) @ 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

**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
8/1/2015-8/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3703 CENTS/KWH

* 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			
	7/01/15	8/01/15	7/01/15	8/01/15	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	2.3157	2.3703	\$11.58	\$11.85	\$0.27
PBF Surcharge	¢/kwh	0.4749	0.4749	\$2.37	\$2.37	\$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	0.2640	(0.5860)	\$1.32	-\$2.93	-\$4.25
Green Infrastructure Fee	\$	1.4200	1.4200	\$1.42	\$1.42	\$0.00
Avg Residential Bill at 500 kwh				\$178.14	\$174.16	
				Increase (Decrease -)		-\$3.98
				% Change		-2.23%

	Rate		Charge (\$) at 600 Kwh			
	7/01/15	8/01/15	7/01/15	8/01/15	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	2.3157	2.3703	\$13.89	\$14.22	\$0.33
PBF Surcharge	¢/kwh	0.4749	0.4749	\$2.85	\$2.85	\$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	0.2640	(0.5860)	\$1.58	-\$3.52	-\$5.10
Green Infrastructure Fee	\$	1.4200	1.4200	\$1.42	\$1.42	\$0.00
Avg Residential Bill at 600 kwh				\$213.38	\$208.61	
				Increase (Decrease -)		-\$4.77
				% Change		-2.24%