

# State of Hawaii



## Public Utilities Commission

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Form: Hawaii PUC eFile Non-Docketed  
Entity: Hawaii Electric Light Company,  
Inc.  
Confirmation  
Number: LYND15132506241  
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JAY IGNACIO, P. E.  
President

August 27, 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 September 2015

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment factor for September 2015 is -0.927 cents per kilowatt-hour ("kWh"), a decrease of 0.341 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$172.43, a decrease of \$1.73 compared to the rates effective August 1, 2015. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$1.71) and the decrease in the Purchased Power Adjustment Clause rate (-\$0.02).

Hawai'i Electric Light's fuel composite cost of generation decreased 31.17 cents per million BTU to 1,432.12 cents per million BTU. The composite cost of distributed generation decreased 0.124 cents per kWh to 15.004 cents per kWh. The composite cost of purchased energy decreased 0.353 cents per kWh to 12.299 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 September 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>8/01/15</u>	<u>9/01/15</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,463.29	1,432.12	(31.170)
Dispersed Generation Energy, ¢/kWh	15.128	15.004	(0.124)
Purchased Energy, ¢/kWh	12.652	12.299	(0.353)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(0.586)	(0.927)	(0.341)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(0.586)	(0.927)	(0.341)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$174.16	\$172.43	(1.73)
600 KWH Consumption - \$/Bill	\$208.61	\$206.54	(2.07)

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

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

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

**GENERATION COMPONENT**

<b>CENTRAL STATION WITH WIND/HYDRO COMPONENT</b>					
FUEL PRICES, ¢/mmbtu					
3					
4	Hill Industrial		920.49		
5	Puna Industrial		944.84		
6	Keahole Diesel		1,530.93		
6a	Keahole ULSD		1,551.32		
7	Waimea ULSD Diesel		1,546.20		
8	Hilo Diesel		1,493.50		
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		1,516.46		
9	Puna Diesel		1,503.57		
10	Wind		0.00		
11	Hydro		0.00		
BTU MIX, %					
12					
13	Hill Industrial		2.811		
14	Puna Industrial		0.000		
15	Keahole Diesel		80.802		
15a	Keahole ULSD		2.950		
16	Waimea ULSD Diesel		3.061		
17	Hilo Diesel		2.176		
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		2.877		
18	Puna Diesel		0.000		
19	Wind		0.000		
20	Hydro		5.323		
			100.000		
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,432.12		
22	% Input to System kWh Mix		30.854		
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	2.094	0.000317	
24	Diesel	0.010424	92.583	0.009651	
25	Other	0.012621	5.323	0.000672	
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)				
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0106400	
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))				4.70146
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)				(2.41649)
33	Revenue Tax Req Multiplier				1.0975
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))				(2.65210)
				<b>DG ENERGY COMPONENT</b>	
35	COMPOSITE COST OF DG ENERGY, ¢/kWh				15.004
36	% Input to System kWh Mix				0.755
37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)				0.11328
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)				0.10386
42	Loss Factor				1.067
43	Revenue Tax Req Multiplier				1.0975
44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)				0.12162
				<b>SUMMARY OF</b>	
				TOTAL GENERATION FACTOR, ¢/kWh	
45	Cntrl Stn+Wind/Hydro (line 34)				(2.65210)
46	DG (line 44)				0.12162
47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)				(2.53048)

<sup>1</sup> Hilo ULSD same location as Kanoelehua ULSD

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

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

Line	<b>PURCHASED ENERGY COMPONENT</b>		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		12.834
49	PGV	On Peak	10.895
50	PGV	Off Peak	10.010
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	10.895
56	Wailuku Hydro	Off Peak	10.010
57	Hawi Renewable Dev.	On Peak	10.895
58	Hawi Renewable Dev.	Off Peak	10.010
59	Tawhiri (Pakini Nui)	On Peak	18.380
60	Tawhiri (Pakini Nui)	Off Peak	14.780
61			
62	Small Hydro (>100 KW)	On Peak	10.895
63	Small Hydro (>100 KW)	Off Peak	10.010
64	Sch Q Hydro (<100 KW)		10.210
65	FIT		18.900
	PURCHASED ENERGY KWH MIX, %		
66	HEP		35.615
67	PGV	On Peak	16.387
68	PGV	Off Peak	10.517
69	PGV - Addt'l	On Peak	3.278
70	PGV - Addt'l	Off Peak	2.390
71	PGV - Add'l 8 MW	On Peak	4.341
72	PGV - Add'l 8 MW	Off Peak	4.673
73	Wailuku Hydro	On Peak	0.536
74	Wailuku Hydro	Off Peak	0.337
75	Hawi Renewable Dev.	On Peak	3.636
76	Hawi Renewable Dev.	Off Peak	1.640
77	Tawhiri (Pakini Nui)	On Peak	9.661
78	Tawhiri (Pakini Nui)	Off Peak	5.806
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)		0.186
83	FIT		0.997
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		12.299
85	% Input to System kWh Mix		68.391
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		8.41141
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))		1.21627
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		1.42429

Line	<b>SYSTEM COMPOSITE</b>	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	(1.10619)
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	0.179
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	(0.927)

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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	57.9909	57.9909
Land Transportation Cost - \$/BBL	--	1.5340
Industrial Costs For Filing - \$/BBL	57.9909	59.5249
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	920.49	944.84

**DIESEL FUEL COSTS:**

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	86.9603	86.9603	86.9603
Land Transportation Cost - \$/BBL	2.7522	1.1487	0.5587
Diesel Costs For Filing - \$/BBL	89.7126	88.1090	87.5190
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,530.93	1,503.57	1,493.50

**ULSD FUEL COSTS:**

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	86.2049	86.2049	86.2049	86.2049
Land Transportation Cost - \$/BBL	2.6857	2.3925	0.6880	-
ULSD Costs For Filing - \$/BBL	88.8906	88.5975	86.8929	86.2049
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,551.32	1,546.20	1,516.46	1,504.45

**Dispersed Generation, cents per kWh**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	1178.3595
\$/BBI Inv Cost:	86.2049
Fuel \$ (Prod Sim Consumption x Unit Cost)	101,580.40
Net kWh (from Prod Sim)	677,000
cents/kWh:	15.004

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 07/31/2015	3,761	0.00	23,681	1,512,698.30			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	(36,559)	(2,263,819.91)			
Actual	0	0.00	36,577	2,291,248.94			
Consumed: Estimate	0	0.00	39,002	2,370,389.45			
Actual	0	0.00	(33,332)	(2,110,926.98)			
Balance Per G/L 07/31/2015	3,761	0.00	29,369	1,799,589.80			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	29,721	1,698,678.31			
Consumed	0	0.00	(14,609)	(896,638.24)	106.5901	0.0000	106.5901
Balance @ 08/31/2015	3,761	0.00	44,481	2,601,629.87			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 08/31/2015	<u>3,761</u>	<u>0.00</u>	<u>44,481</u>	<u>2,601,629.87</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,601,629.87)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,579,493.61			
Total @ 9/30/2013 Avg Price	<u>3,761</u>	<u>0.00</u>	<u>44,481</u>	<u>2,579,493.61</u>			

Weighted Avg Cost/BBL by Location 0.0000 58.4886

Weighted Avg Cost/BBL @ Avg Cost 0.0000 57.9909

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 07/31/2015	2,283	79,898.77	5,438.67			
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	(346)	0.00	(456.72)			
Actual	346	0.00	0.00			
Consumed: Estimate	237	14,403.94	884.60			
Actual	(176)	49,326.24	(656.93)			
Balance Per G/L 07/31/2015	<u>2,344</u>	<u>143,628.95</u>	<u>5,209.62</u>			
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	3,704	194,106	4,889.28			
Consumed	(968)	<u>(59,411.72)</u>	(2,306.01)	61.3757	2.3822	63.7580
Balance @ 08/31/2015	5,080	<u>278,323.41</u>	7,792.89			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>5,080</u>	<u>278,323.41</u>	<u>7,792.89</u>		1.5340	
Reverse Fuel Balance	xxxxxxxxxxxx	(278,323.41)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	294,593.82	xxxxxxxxxxxx			
Total @ 08/31/2015 Avg Price	<u>5,080</u>	<u>294,593.82</u>	<u>7,792.89</u>			

Weighted Avg Cost/BBL by Location

54.7881

1.5340

Weighted Avg Cost/BBL @ Avg Cost

57.9909

1.5340



**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 07/31/2015	57,257.1	2,404,799.0	5,128,931.4	157,020.0			
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	(30,695.9)	(1,289,229.0)	(2,858,170.9)	(89,027.4)			
Actual	34,450.0	1,446,899.0	3,182,103.6	97,659.18			
Consumed: Estimate	25,185.4	1,057,786.0	2,238,592.5	66,121.70			
Actual	(31,503.2)	(1,323,134.0)	(2,724,597.9)	(88,744.3)	86.4864		
Balance Per G/L 07/31/2015	54,693.4	2,297,121	4,966,858.71	143,029.13	90.8128		
Purchases	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	47,129.5	1,979,437.0	4,106,295.2	136,689.6	87.1280		
Consumed	(52,727.3)	(2,214,548.0)	(4,825,402.9)	(144,597.63)	91.5162	2.7424	94.2585
Balance @ 08/31/2015	49,095.5	2,062,010	4,247,751.04	135,121.05	86.5202		
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	49,095.5	2,062,010	4,247,751.04	135,121.05	86.5202		
Reverse Fuel Balance	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	(4,247,751.0)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	4,269,359.7	xxxxxxxxxxxxxxx			
Total @ 08/31/2015 Avg Price	49,095.5	2,062,010	4,269,359.74	135,121.05	86.9603		

Weighted Avg Cost/BBL by Location 86.5202 2.7522

Weighted Avg Cost/BBL @ Avg Cost 86.9603 2.7522

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 07/31/2015	17,427.0	731,935.4	1,686,915.1	19,852.4			
Less: Est'd Inven Addition	(13,313.7)	(559,175.4)	#####	(15,057.8)			
Purchases: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers out: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(8,356.9)	(350,989.0)	(779,426.5)	(9,451.6)			
Actual	8,363.9	351,285.0	779,935.9	9,360.8			
Consumed: Estimate	7,590.9	318,817.0	674,712.4	9,125.0			
Actual	(6,702.5)	(281,506.0)	(646,686.3)	(8,090.4)			
Balance Per G/L 07/31/2015	5,008.7	210,367	454,857.70	5,738.40			
Purchases		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	(25.1)	(1,055.0)	(2,739.5)	(28.4)	109.0615		
Consumed	(1,531.8)	(64,336)	(140,185.32)	(1,745.04)	91.5162	1.1392	92.6554
Balance @ 08/31/2015	3,451.8	144,976	311,932.86	3,964.95	90.3679		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 08/31/2015	3,451.8	144,976	311,932.86	3,964.95	90.3679		
Reverse Fuel Balance		xxxxxxxxxxxx	(311,932.86)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxx	300,170.56	xxxxxxxxxxxx			
Total @ 08/31/2015 Avg Price	3,451.8	144,976	300,170.56	3,964.95	86.9603		

Weighted Avg Cost/BBL by Location 90.3679 1.1487

Weighted Avg Cost/BBL @ Avg Cost 86.9603 1.1487

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 07/31/2015	1790.8	75,213	157,260	1,956			
Less: Est'd Inven Addition	-178.6	-7,503	-16,914	-178			
Purchases: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	13.6	570.0	0.0	13.5			
Actual	178.1	7482.0	17760.9	188.1			
Consumed: Estimate	70.0	2942.0	6226.2	77.2			
Actual	-52.8	-2219.0	1043.8	-1273.8			
Balance Per G/L 07/31/2015	1821.1	76,485	165,376.66	782.33	90.8131		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0.0	0.0	0.0	0.0	0.0000		
Consumed	-439.2	-18446.0	-40193.0	-479.6	91.5162	1.0921	92.6082
Balance @ 08/31/2015	1,381.9	58,039	125,183.63	302.71	90.5896		
Inven From Offsite/Transfers	1067.7	44843.4	93726.6	1065.8			
Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Fuel Balance @ Avg Price	2,449.6	102,882	218,910.26	1,368.49	89.3666		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -218,910.26	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 213,016.00	XXXXXXXXXXXX			
Total @ 08/31/2015 Avg Price	2,449.6	102,882	213,016.00	1,368.49	86.9603		

Weighted Avg Cost/BBL by Location

89.3666 0.5587

Weighted Avg Cost/BBL @ Avg Cost

86.9603 0.5587

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 07/31/2015	2,688.0	112,896	249,949.67	21,449.96			
Less: Est'd Inventory Addition	(727.4)						
Purchases: Estimate	(190.0)	(7,980)	(17,117.10)	(551.06)			
Actual	188.0	7,894	16,885.26	0.00			
Transfers out: Estimate		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate		(238)	0.00	(16.44)			
Actual		359	0.00	545.12			
Consumed: Estimate	519.6	21,823	49,824.14	1,208.68			
Actual	(506.8)	(21,284)	(51,466.00)	(15,793.06)	101.5585		
Balance Per G/L 07/31/2015	1,974.3	82,920	186,746.70	5,162.97	94.5895		
Purchases	188.2	7,906	15,871.30	545.95	0.0000		
Estimated Purchases	190.0	7,980	16,019.86	551.06			
Transfer in	5.1	215	0.00	14.85	0.00		
Consumed	(469.7)	(19,729)	(42,207.93)	(1,069.96)	89.8542	2.2778	92.1319
Balance @ 08/31/2015	1,887.9	79,292	176,429.93	5,204.86	93.4528		
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	2,246.0	94,332	203,509.52	6,032.06	90.6098		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxx	(203,509.52)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxx	193,616.27	xxxxxxxxxxx			
Total @ 08/31/2015 Avg Price	2,246.0	94,332	193,616.27	6,032.06	86.2049		

Weighted Avg Cost/BBL by Location

90.6098      2.6857

Weighted Avg Cost/BBL @ Avg Cost

86.2049      2.6857

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 07/31/2015	3,056.0	128,352.0	263,836.3	7,364.71			
Less: Est'd Inven Addition	(1,702.1)	(71,488.0)	(143,512.50)	(4,112.60)			
Purchases: Estimate		(23,781)	(51,010.25)	(1,368.09)			
Actual		23,707.0	50,804.1	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(1.9)	(79)	0.00	0.00			
Actual	1.5	62	0.00	1,363.83			
Consumed: Estimate	594.2	24,956	56,977.10	1,450.48			
Actual	(541.2)	(22,729)	(44,219.02)	(1,356.80)			
Balance Per G/L 07/31/2015	1,404.8	59,000	132,875.72	3,341.53	94.5895		
ULSD Purchases	376.4	15,810	31,738.58	909.53	84.3150		
Estimated Purchases	190.0	7,980	16,019.85	459.08			
Transfer in	xxxxxxxxxxxx	278	0.00	0.00	#DIV/0!		
Consumed	(453.3)	(19,039)	(40,731.75)	(1,092.44)	89.8542	2.4099	92.2641
Balance @ 08/31/2015	1,524.5	64,029	139,902.40	3,617.69	91.7694		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	1,255.5	52,731	0.00	3,033.54			
Fuel Balance @ Avg Price	2,780.0	116,760	139,902.40	6,651.23	50.3246		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(234,844.82)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	239,649.70	xxxxxxxxxxxx			
Total @ 08/31/2015 Avg Price	2,780.0	116,760	144,707.29	6,651.23	52.0530		

Weighted Avg Cost/BBL by Location

50.3246 2.3925

Weighted Avg Cost/BBL @ Avg Cost

52.0530 2.3925

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 07/31/2015	2,909.0	122,178.0	261,767.0	2,981.8		
Less: Est'd Inventory Addition	(1,567.5)	(65,837)	(132,168.09)	(1,564.73)		
Purchases: Estimate	(188.1)	(7,901)	(16,947.65)	(187.78)		
Actual	188.1	7,901	16,947.65	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate		(778)	0.00	(18.49)		
Actual		664	0.00	375.92		
Consumed: Estimate	194.3	8,160	18,630.12	226.41		
Actual	(208.5)	(8,756)	(22,940.75)	(1,244.08)		
Balance Per G/L 07/31/2015	1,324.5	55,631	125,288.30	569.02		
ULSD Purchases	188	7,909	15,877.33	187.97	84.31506638	
Estimated Purchases	190	-	-	-		
Transfer in	(4)	(153)	0.00	(3.64)		
Consumed	(394.4)	(16,565)	(35,438.91)	(491.49)	89.85416907	1.0250
Balance @ 08/31/2015	1,304.8	54,802	121,746.58	451.52		
Inventory From Offsite/Transfers	0.0	0	0.00	0.00		
Est'd Inventory Addition	1,438.2	60,404	108,757.69	1,435.60		
Fuel Balance @ Avg Price	2,743.0	115,206	230,504.27	1,887.12		
Reverse Fuel Balance	x	x	(230,504.27)	x		
Fuel Balance @ Avg Price	x	x	236,460.12	x		
Total @ 08/31/2015 Avg Price	2,743.0	115,206	236,460.12	1,887.12		

Weighted Avg Cost/BBL by Location 84.0336 0.6880

Weighted Avg Cost/BBL @ Avg Cost 86.2049 0.6880

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
August 2015

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 07/31/2015	91.2	3,831	10,151.11	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	(46.1)	(1,938)	(4,157.01)	
Actual	50.6	2,125	4,545.39	
Consumed: Estimate	39.1	1,644	3,753.42	
Actual	(29.0)	(1,220)	(4,288.94)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 07/31/2015	105.76	4,442	10,003.97	94.5895
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(5.3)	(222)	(474.94)	89.8542
Balance @ 08/31/2015	100.5	4,220	9,529.03	94.8387
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 08/31/2015	100.5	4,220	9,529.03	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(9,529.03)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	8,661.54	xxxx
Total @ 08/31/2015 Avg Price	100.5	4,220	8,661.54	86.2049

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

TYPE OF OIL BURNED

	<u>Hill Industrial</u>		<u>Puna Industrial</u>	
<b>INDUSTRIAL *</b>	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	49.74	3.1332	49.74	3.1332
Ocean Transportation	57.24	3.6059	57.24	3.6059
Storage	17.20	1.0833	17.20	1.0833
Wharfage	3.81	0.2400	3.81	0.2400
	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
<b>DIESEL *</b>	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	87.99	5.3501	91.30	5.3501
Ocean Transportation	61.53	3.6059	61.53	3.6059
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>	
<b>ULSD **</b>	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	87.99	5.3501	87.99	5.3501
Ocean Transportation	61.53	3.6059	61.53	3.6059
Storage	18.49	1.0833	18.49	1.0833
Wharfage	4.10	0.2400	4.10	0.2400
	<u>ULSD</u>			
<b>ULSD **</b>	<u>¢/MBTU</u>	<u>\$/BBL</u>		
Tax <sup>1</sup>	33.71	1.9320		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		

<sup>1</sup> 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 September 1, 2015

		September 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	10.895	6.560
PGV (22 MW)	- off peak	10.010	5.430
WAILUKU HYDRO	- on peak	10.895	7.240
	.	10.010	5.970
Other: (<100 KW)	Sch Q Rate	10.210	

		September 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		12.834	
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**  
September 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 (September 1, 2015)	86,373 mwh
6	Adjustment (Line 4 / Line 5)	0.179 ¢/kwh

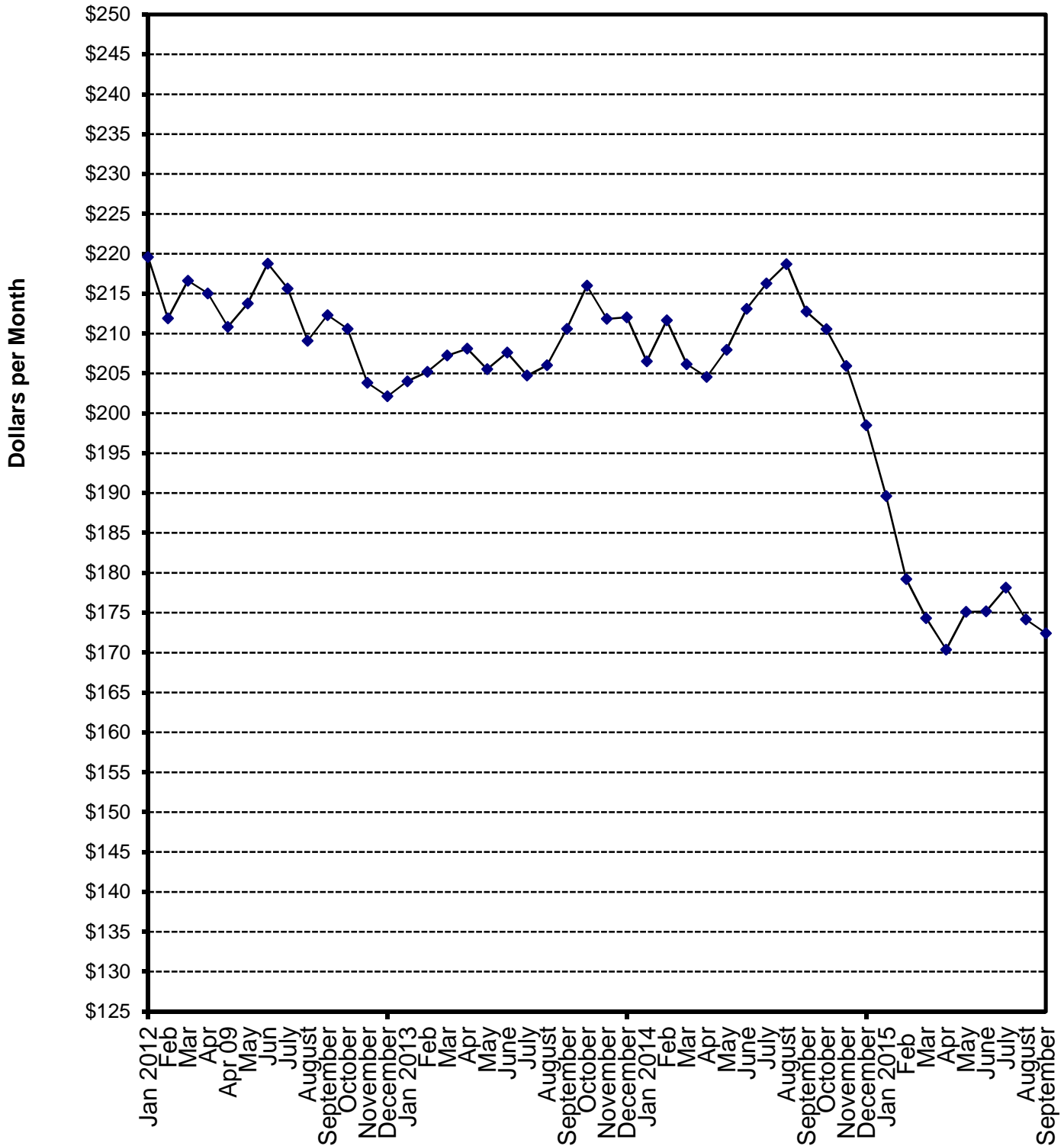
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2015 Cumulative Reconciliation Balance

<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	400,805	75,515
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 BILL (\$)</u>	
	<u>RESIDENTIAL &amp; COMMERCIAL</u>	<u>@ 500 KWH</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	

**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
<b>04/09/12</b>	<b>FINAL RATE INCREASE (1.28%), DOCKET NO. 2009-0164 (2010 TEST YEAR)</b>	
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
<b>5/1/2015</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
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
<b>6/8/2015</b>	<b>RBA RATE ADJUSTMENT</b>	<b>1.3971 CENTS/KWH</b>
7/1/2015-7/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3157 CENTS/KWH
<b>7/1/2015</b>	<b>RESIDENTIAL PBF SURCHARGE ADJUSTMENT</b>	<b>0.4749 CENTS/KWH</b>
<b>7/1/2015</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.4200 DOLLARS/MONTH</b>
8/1/2015-8/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3703 CENTS/KWH
<b>9/1/2015-9/30/2015</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.3651 CENTS/KWH</b>

\* 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			
	8/01/15	9/01/15	8/01/15	9/01/15	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				\$154.46	\$154.46	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	1.3971	1.3971	\$6.99	\$6.99	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.3703	2.3651	\$11.85	\$11.83	-\$0.02
<b>PBF Surcharge</b>	¢/kwh	0.4749	0.4749	\$2.37	\$2.37	\$0.00
<b>DSM Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Adjustment</b>	¢/kwh	(0.5860)	(0.9270)	-\$2.93	-\$4.64	-\$1.71
<b>Green Infrastructure Fee</b>	\$	1.4200	1.4200	\$1.42	\$1.42	\$0.00
<b>Avg Residential Bill at 500 kwh</b>				\$174.16	\$172.43	
				Increase (Decrease -)		-\$1.73
				% Change		-0.99%

	Rate		Charge (\$) at 600 Kwh			
	8/01/15	9/01/15	8/01/15	9/01/15	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				\$185.26	\$185.26	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	1.3971	1.3971	\$8.38	\$8.38	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.3703	2.3651	\$14.22	\$14.19	-\$0.03
<b>PBF Surcharge</b>	¢/kwh	0.4749	0.4749	\$2.85	\$2.85	\$0.00
<b>DSM Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Adjustment</b>	¢/kwh	(0.5860)	(0.9270)	-\$3.52	-\$5.56	-\$2.04
<b>Green Infrastructure Fee</b>	\$	1.4200	1.4200	\$1.42	\$1.42	\$0.00
<b>Avg Residential Bill at 600 kwh</b>				\$208.61	\$206.54	
				Increase (Decrease -)		-\$2.07
				% Change		-0.99%