

# 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

September 28, 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 October 2015

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment factor for October 2015 is -1.671 cents per kilowatt-hour ("kWh"), a decrease of 0.744 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$168.73, a decrease of \$3.70 compared to the rates effective September 1, 2015. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$3.72) and an increase in the Purchased Power Adjustment Clause rate (+\$0.02).

Hawai'i Electric Light's fuel composite cost of generation decreased 199.30 cents per million BTU to 1,232.82 cents per million BTU. The composite cost of distributed generation decreased 0.232 cents per kWh to 14.772 cents per kWh. The composite cost of purchased energy decreased 0.477 cents per kWh to 11.822 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 October 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>9/01/15</u>	<u>10/01/15</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,432.12	1,232.82	(199.300)
Dispersed Generation Energy, ¢/kWh	15.004	14.772	(0.232)
Purchased Energy, ¢/kWh	12.299	11.822	(0.477)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(0.927)	(1.671)	(0.744)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(0.927)	(1.671)	(0.744)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$172.43	\$168.73	(3.70)
600 KWH Consumption - \$/Bill	\$206.54	\$202.10	(4.44)

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

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

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

**GENERATION COMPONENT**

<b>CENTRAL STATION WITH WIND/HYDRO COMPONENT</b>						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		869.48			
5	Puna Industrial		889.98			
6	Keahole Diesel		1,454.85			
6a	Keahole ULSD		1,616.72			
7	Waimea ULSD Diesel		1,625.13			
8	Hilo Diesel		1,409.57			
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		1,593.80			
9	Puna Diesel		1,426.40			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		27.222			
14	Puna Industrial		0.000			
15	Keahole Diesel		66.024			
15a	Keahole ULSD		0.867			
16	Waimea ULSD Diesel		0.667			
17	Hilo Diesel		0.233			
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		0.467			
18	Puna Diesel		0.000			
19	Wind		0.000			
20	Hydro		4.520			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,232.82			
22	% Input to System kWh Mix		32.232			
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	20.910	0.003167		
24	Diesel	0.010424	74.570	0.007773		
25	Other	0.012621	4.520	0.000570		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0115100		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			4.57364		
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)			(2.54431)		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			(2.79238)		
				<b>DG ENERGY COMPONENT</b>		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	14.772
				36	% Input to System kWh Mix	0.230
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.03398
				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)	0.02456
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.02876
				<b>SUMMARY OF</b>		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(2.79238)
				46	DG (line 44)	0.02876
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(2.76362)

<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 - October 1, 2015 (Page 2 of 2)

Line	<b>PURCHASED ENERGY COMPONENT</b>		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		11.979
49	PGV	On Peak	10.220
50	PGV	Off Peak	9.457
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	10.220
56	Wailuku Hydro	Off Peak	9.457
57	Hawi Renewable Dev.	On Peak	10.220
58	Hawi Renewable Dev.	Off Peak	9.457
59	Tawhiri (Pakini Nui)	On Peak	18.160
60	Tawhiri (Pakini Nui)	Off Peak	14.610
61			
62	Small Hydro (>100 KW)	On Peak	10.220
63	Small Hydro (>100 KW)	Off Peak	9.457
64	Sch Q Hydro (<100 KW)		9.590
65	FIT		18.900
	PURCHASED ENERGY KWH MIX, %		
66	HEP		33.742
67	PGV	On Peak	16.661
68	PGV	Off Peak	10.566
69	PGV - Addt'l	On Peak	3.331
70	PGV - Addt'l	Off Peak	2.398
71	PGV - Add'l 8 MW	On Peak	4.462
72	PGV - Add'l 8 MW	Off Peak	4.673
73	Wailuku Hydro	On Peak	0.920
74	Wailuku Hydro	Off Peak	0.656
75	Hawi Renewable Dev.	On Peak	3.326
76	Hawi Renewable Dev.	Off Peak	1.179
77	Tawhiri (Pakini Nui)	On Peak	10.111
78	Tawhiri (Pakini Nui)	Off Peak	6.440
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)		0.132
83	FIT		1.403
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		11.822
85	% Input to System kWh Mix		67.538
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		7.98434
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))		0.78920
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		0.92418

Line	<b>SYSTEM COMPOSITE</b>	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) (1.83944)	
95	Not Used 0.000	
96	Not Used 0.000	
97	ECA Reconciliation Adjustment 0.168	
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97)) (1.671)	

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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	54.7775	54.7775
Land Transportation Cost - \$/BBL	--	1.2910
Industrial Costs For Filing - \$/BBL	54.7775	56.0684
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	869.48	889.98

**DIESEL FUEL COSTS:**

	KEAHOLE	PUNA CT-3	HILO
Average Diesel Fuel Cost - \$/BBL	82.4594	82.4594	82.4594
Land Transportation Cost - \$/BBL	2.7950	1.1278	0.1415
Diesel Costs For Filing - \$/BBL	85.2544	83.5872	82.6010
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,454.85	1,426.40	1,409.57

**ULSD FUEL COSTS:**

	KEAHOLE	WAIMEA	HILO	DISPERSED GENERATION
Average ULSD Fuel Cost - \$/BBL	90.7871	90.7871	90.7871	90.7871
Land Transportation Cost - \$/BBL	1.8510	2.3327	0.5373	-
ULSD Costs For Filing - \$/BBL	92.6382	93.1199	91.3245	90.7871
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,616.72	1,625.13	1,593.80	1,584.42

**Dispersed Generation, cents per kWh**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	349.8255
\$/BBI Inv Cost:	90.7871
Fuel \$ (Prod Sim Consumption x Unit Cost)	31,759.66
Net kWh (from Prod Sim)	215,000
cents/kWh:	14.772

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 08/31/2015	3,761	0.00	44,481	2,601,629.87			
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	(29,721)	(1,698,678.31)			
Actual	0	0.00	26,419	1,534,849.86			
Consumed: Estimate	0	0.00	14,609	896,638.24			
Actual	0	0.00	(17,113)	(1,050,322.35)			
Balance Per G/L 08/31/2015	<u>3,761</u>	<u>0.00</u>	<u>38,675</u>	<u>2,284,117.31</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	18,516	928,503.04			
Consumed	<u>0</u>	<u>0.00</u>	<u>(21,650)</u>	<u>(1,255,502.99)</u>	106.5901	0.0000	106.5901
Balance @ 09/30/2015	3,761	0.00	35,541	1,957,117.36			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 09/30/2015	<u>3,761</u>	<u>0.00</u>	<u>35,541</u>	<u>1,957,117.36</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(1,957,117.36)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	1,946,845.85			
Total @ 9/30/2013 Avg Price	<u>3,761</u>	<u>0.00</u>	<u>35,541</u>	<u>1,946,845.85</u>			

Weighted Avg Cost/BBL by Location 0.0000 55.0665

Weighted Avg Cost/BBL @ Avg Cost 0.0000 54.7775

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 08/31/2015	5,080	278,323.41	7,792.89			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers out: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	(3,704)	(194,106.18)	(4,889.28)			
Actual	2,615	140,453.81	3,280.20			
Consumed: Estimate	968	59,411.72	2,306.01			
Actual	(982)	(60,270.94)	(2,339.32)			
Balance Per G/L 08/31/2015	<u>3,977</u>	<u>223,811.82</u>	<u>6,150.50</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	6,301	340,671	7,534.36			
Consumed	(1,713)	(99,338.41)	(2,627.74)	57.9909	1.5340	59.5249
Balance @ 09/30/2015	<u>8,565</u>	<u>465,144.70</u>	<u>11,057.12</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>8,565</u>	<u>465,144.70</u>	<u>11,057.12</u>		<u>1.2910</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(465,144.70)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	469,168.98	XXXXXXXXXXXX			
Total @ 09/30/2015 Avg Price	<u>8,565</u>	<u>469,168.98</u>	<u>11,057.12</u>			

Weighted Avg Cost/BBL by Location

54.3076

1.2910

Weighted Avg Cost/BBL @ Avg Cost

54.7775

1.2910



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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 08/31/2015	49,095.5	2,062,010.0	4,247,751.0	135,121.1			
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		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate	(47,129.5)	(1,979,437.0)	(4,106,295.2)	(136,689.6)			
Actual	50,916.0	2,138,473.0	4,375,274.8	143,074.29			
Consumed: Estimate	52,727.3	2,214,548.0	4,825,402.9	144,597.63			
Actual	(51,753.1)	(2,173,629.0)	(4,736,244.4)	(141,927.6)	91.5162		
Balance Per G/L 08/31/2015	53,856.3	2,261,965	4,605,889.10	144,175.80	85.5218		
Purchases	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	42,296.0	1,776,434.0	3,498,185.4	122,671.2	82.7071		
Consumed	(44,304.8)	(1,860,803.0)	(3,852,761.6)	(121,935.76)	86.9603	2.7522	89.7125
Balance @ 09/30/2015	51,847.5	2,177,596	4,251,312.87	144,911.26	81.9964		
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	51,847.5	2,177,596	4,251,312.87	144,911.26	81.9964		
Reverse Fuel Balance	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	(4,251,312.9)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	4,275,316.3	xxxxxxxxxxxxxxx			
Total @ 09/30/2015 Avg Price	51,847.5	2,177,596	4,275,316.27	144,911.26	82.4594		

Weighted Avg Cost/BBL by Location 81.9964 2.7950

Weighted Avg Cost/BBL @ Avg Cost 82.4594 2.7950

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 08/31/2015	3,451.8	144,976.0	311,932.9	3,965.0			
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	25.1	1,055.0	2,739.5	28.4			
Actual	(90.7)	(3,808.0)	0.0	0.0			
Consumed: Estimate	1,531.8	64,336.0	140,185.3	1,745.0			
Actual	(938.9)	(39,432.0)	(85,920.6)	(1,250.7)			
Balance Per G/L 08/31/2015	3,979.2	167,127	368,937.06	4,487.75			
Purchases		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	0.0	0.0	0.0	0.0	#DIV/0!		
Consumed	0.0	0	0.00	0.00	86.9603	1.1487	88.1090
Balance @ 09/30/2015	3,979.2	167,127	368,937.06	4,487.75	92.7161		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 09/30/2015	3,979.2	167,127	368,937.06	4,487.75	92.7161		
Reverse Fuel Balance		xxxxxxxxxxxx	(368,937.06)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxx	328,123.67	xxxxxxxxxxxx			
Total @ 09/30/2015 Avg Price	3,979.2	167,127	328,123.67	4,487.75	82.4594		

Weighted Avg Cost/BBL by Location 92.7161 1.1278

Weighted Avg Cost/BBL @ Avg Cost 82.4594 1.1278

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 08/31/2015	2449.6	102,882	218,910	1,368			
Less: Est'd Inven Addition	-1067.7	-44,843	-93,727	-1,066			
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	11.3	473.0	0.0	0.0			
Consumed: Estimate	439.2	18446.0	40193.0	479.6			
Actual	-287.0	-12055.0	-26267.3	-501.6			
Balance Per G/L 08/31/2015	1545.3	64,903	139,109.34	280.73	90.0204		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0.0	0.0	0.0	0.0	0.0000		
Consumed	-148.6	-6243.0	-12926.0	-83.0	86.9603	0.5587	87.5190
Balance @ 09/30/2015	1,396.7	58,660	126,183.31	197.68	90.3460		
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	1,396.7	58,660	126,183.31	197.68	90.3460		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -126,183.31	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 115,168.31	XXXXXXXXXXXX			
Total @ 09/30/2015 Avg Price	1,396.7	58,660	115,168.31	197.68	82.4594		

Weighted Avg Cost/BBL by Location

90.3460 0.1415

Weighted Avg Cost/BBL @ Avg Cost

82.4594 0.1415

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

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 08/31/2015	2,246.0	94,332	203,509.52	6,032.07			
Less: Est'd Inventory Addition	(358.1)						
Purchases: Estimate	(378.2)	(15,886)	(31,891.16)	(1,097.01)			
Actual	376.3	15,805	31,728.55	0.00			
Transfers out: Estimate		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate		(215)	0.00	(14.85)			
Actual		217	0.00	1,091.41			
Consumed: Estimate	469.7	19,729	42,207.93	1,069.96			
Actual	(354.7)	(14,898)	(31,872.57)	(2,734.62)	89.8542		
Balance Per G/L 08/31/2015	2,001.0	84,044	186,602.68	3,519.76	93.2525		
Purchases	187.9	7,891	14,207.74	544.91	0.0000		
Estimated Purchases	190.0	7,980	14,367.98	551.06			
Transfer in	4.9	206	0.00	14.23	0.00		
Consumed	(260.5)	(10,939)	(22,452.27)	(699.50)	86.2049	2.6857	88.8906
Balance @ 09/30/2015	2,123.4	89,182	192,726.13	3,930.46	90.7638		
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	2,123.4	89,182	192,726.13	3,930.46	90.7638		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxx	(192,726.13)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxx	192,775.70	xxxxxxxxxxx			
Total @ 09/30/2015 Avg Price	2,123.4	89,182	192,775.70	3,930.46	90.7871		

Weighted Avg Cost/BBL by Location

90.7638 1.8510

Weighted Avg Cost/BBL @ Avg Cost

90.7871 1.8510

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 08/31/2015	2,780.0	116,760.0	234,844.8	6,651.24			
Less: Est'd Inven Addition	(1,255.5)	(52,731.0)	(94,942.42)	(3,033.54)			
Purchases: Estimate		(23,790)	(47,758.43)	(1,368.61)			
Actual		15,810.0	31,738.6	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(6.6)	(278)	0.00	0.00			
Actual	10.8	453	0.00	909.53			
Consumed: Estimate	453.3	19,039	40,731.75	1,092.44			
Actual	(378.5)	(15,899)	(34,014.09)	(956.86)			
Balance Per G/L 08/31/2015	1,413.4	59,364	130,600.21	3,294.20	92.3996		
ULSD Purchases	376.4	15,807	28,460.50	909.35	75.6210		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxx	145	0.00	0.00	#DIV/0!		
Consumed	(341.5)	(14,345)	(29,443.08)	(817.15)	86.2049	2.3925	88.5974
Balance @ 09/30/2015	1,451.7	60,971	129,617.63	3,386.40	89.2874		
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	2,707.2	113,702	129,617.63	6,419.94	47.8790		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(129,617.63)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	131,794.84	xxxxxxxxxxxx			
Total @ 09/30/2015 Avg Price	2,707.2	113,702	131,794.84	6,419.94	48.6833		

Weighted Avg Cost/BBL by Location

47.8790 2.3714

Weighted Avg Cost/BBL @ Avg Cost

48.6833 2.3714

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 08/31/2015	2,743.0	115,206.0	230,504.3	1,887.1		
Less: Est'd Inventory Addition	(1,438.2)	(60,404)	(108,757.69)	(1,435.60)		
Purchases: Estimate	(378.3)	(15,889)	(31,897.19)	(377.63)		
Actual	376.7	15,821	31,760.67	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate		153	0.00	3.64		
Actual		(224)	0.00	376.01		
Consumed: Estimate	394.4	16,565	35,438.91	491.49		
Actual	(279.8)	(11,752)	(25,142.06)	(294.19)		
Balance Per G/L 08/31/2015	1,416.1	59,476	131,906.91	650.84		
ULSD Purchases	321	13,481	24,272.54	320.40	75.62099844	
Estimated Purchases	0	-	-	-		
Transfer in	(14)	(603)	0.00	(14.33)		
Consumed	(153.5)	(6,449)	(13,236.56)	(113.73)	86.2049	0.6880
Balance @ 09/30/2015	1,569.2	65,905	142,942.89	843.17		
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	1,569.2	65,905	142,942.89	843.17		
Reverse Fuel Balance	x	x	(142,942.89)	x		
Fuel Balance @ Avg Price	x	x	142,460.17	x		
Total @ 09/30/2015 Avg Price	1,569.2	65,905	142,460.17	843.17		

Weighted Avg Cost/BBL by Location 91.0948 0.5373

Weighted Avg Cost/BBL @ Avg Cost 90.7871 0.5373

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 08/31/2015	100.5	4,220	9,529.03	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	5.3	222	474.94	
Actual	(6.0)	(253)	771.24	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 08/31/2015	99.74	4,189	10,775.21	108.0350
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(5.2)	(218)	(447.44)	86.2049
Balance @ 09/30/2015	94.5	3,971	10,327.77	109.2335
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 09/30/2015	94.5	3,971	10,327.77	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(10,327.77)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	8,583.71	xxxx
Total @ 09/30/2015 Avg Price	94.5	3,971	8,583.71	90.7871

**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
**CONTRACT PRICES EFFECTIVE September 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>	46.13	2.9055	46.13	2.9055
Ocean Transportation	53.47	3.3684	53.47	3.3684
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>	81.81	4.9661	84.75	4.9661
Ocean Transportation	57.48	3.3684	57.48	3.3684
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 <sup>1</sup>	81.81	4.9661	81.81	4.9661
Ocean Transportation	57.48	3.3684	57.48	3.3684
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 October 1, 2015

		October 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	10.220	6.560
PGV (22 MW)	- off peak	9.457	5.430
WAILUKU HYDRO	- on peak	10.220	7.240
	.	9.457	5.970
Other: (<100 KW)	Sch Q Rate	9.590	
		October 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		11.979	
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**  
October 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 (October 1, 2015)	91,704 mwh
6	Adjustment (Line 4 / Line 5)	0.168 ¢/kwh

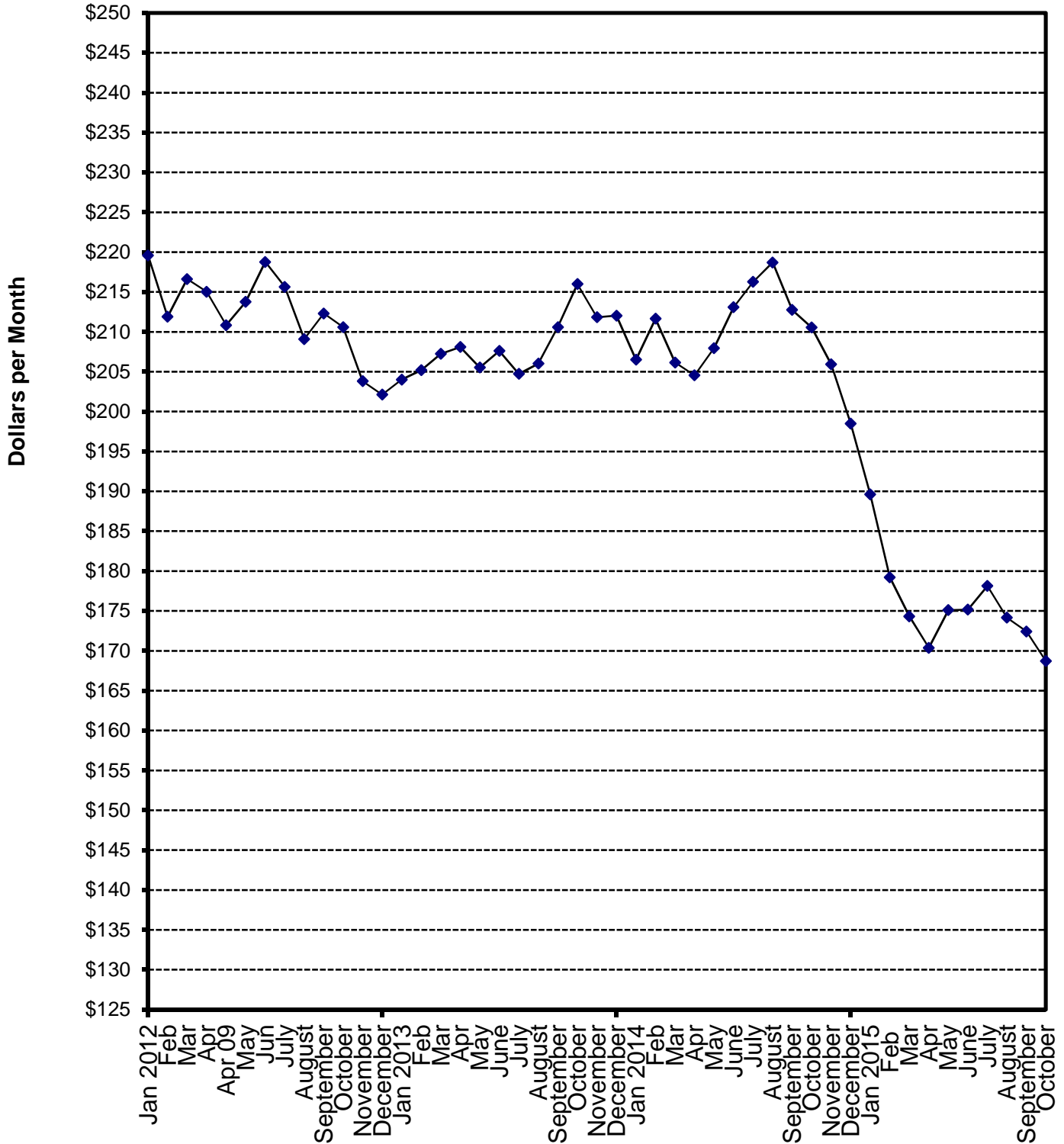
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2015 Cumulative Reconciliation Balance

<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	148,649	(209,876)
September					140,600		
October					140,600		
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 CENTS / KWH</u>		
	<u>RESIDENTIAL &amp; 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
September 1, 2015	-0.927	172.43	206.54
October 1, 2015	-1.671	168.73	202.10

**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
9/1/2015-9/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3651 CENTS/KWH
<b>10/1/2015-10/31/2015</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.3699 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			
	9/01/15	10/01/15	9/01/15	10/01/15	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	2.3651	2.3699	\$11.83	\$11.85	\$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	(0.9270)	(1.6710)	-\$4.64	-\$8.36	-\$3.72
<b>Green Infrastructure Fee</b>	\$	1.4200	1.4200	\$1.42	\$1.42	\$0.00
<b>Avg Residential Bill at 500 kwh</b>				\$172.43	\$168.73	
				Increase (Decrease -)		-\$3.70
				% Change		-2.15%

	Rate		Charge (\$) at 600 Kwh			
	9/01/15	10/01/15	9/01/15	10/01/15	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	2.3651	2.3699	\$14.19	\$14.22	\$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	(0.9270)	(1.6710)	-\$5.56	-\$10.03	-\$4.47
<b>Green Infrastructure Fee</b>	\$	1.4200	1.4200	\$1.42	\$1.42	\$0.00
<b>Avg Residential Bill at 600 kwh</b>				\$206.54	\$202.10	
				Increase (Decrease -)		-\$4.44
				% Change		-2.15%