

# State of Hawaii



## Public Utilities Commission

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Form:	Hawaii PUC eFile Non-Docketed
Entity:	Hawaii Electric Light Company, Inc.
Confirmation Number:	LYND15104022776
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JAY IGNACIO, P. E.  
President

April 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 May 2015

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment factor for May 2015 is -0.420 cents per kilowatt-hour ("kWh"), an increase of 0.570 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$175.10, an increase of \$4.73 compared to the rates effective April 1, 2015. The increase in the typical residential bill is due to the increase in the energy cost adjustment factor (+\$2.85), the increase in the Purchased Power Adjustment Clause rate (+\$0.34), and the termination of the April 2015 SolarSaver Adjustment (+\$1.54).

Hawai'i Electric Light's fuel composite cost of generation decreased 5.31 cents per million BTU to 1,247.67 cents per million BTU. The composite cost of distributed generation increased 1.233 cents per kWh to 18.571 cents per kWh. The composite cost of purchased energy decreased 0.161 cents per kWh to 12.783 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 May 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>4-01-15</u>	<u>5-01-15</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,252.98	1,247.67	(5.310)
Dispersed Generation Energy, ¢/kWh	17.338	18.571	1.233
Purchased Energy, ¢/kWh	12.944	12.783	(0.161)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(0.990)	(0.420)	0.570
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(0.990)	(0.420)	0.570
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$170.37	\$175.10	4.73
600 KWH Consumption - \$/Bill	\$204.10	\$209.79	5.69

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

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

<u>Line</u>		
1	Effective Date	May 1, 2015
2	Supercedes Factors of	April 1, 2015

**GENERATION COMPONENT**

<b>CENTRAL STATION WITH WIND/HYDRO COMPONENT</b>						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		942.91			
5	Puna Industrial		960.49			
6	Keahole Diesel		1,519.94			
6a	Keahole ULSD		1,813.71			
7	Waimea ULSD Diesel		1,828.27			
8	Hilo Diesel		1,482.99			
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		1,799.54			
9	Puna Diesel		1,487.27			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		29.224			
14	Puna Industrial		0.000			
15	Keahole Diesel		59.085			
15a	Keahole ULSD		0.373			
16	Waimea ULSD Diesel		0.186			
17	Hilo Diesel		0.155			
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		0.186			
18	Puna Diesel		3.916			
19	Wind		0.000			
20	Hydro		6.875			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,247.67			
22	% Input to System kWh Mix		31.193			
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	26.249	0.003976		
24	Diesel	0.010424	66.876	0.006971		
25	Other	0.012621	6.875	0.000868		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0118150		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			4.59823		
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)			(2.51972)		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			(2.76539)		
				<b>DG ENERGY COMPONENT</b>		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	18.571
				36	% Input to System kWh Mix	0.086
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.01597
				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)	0.00655
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.00767
				<b>SUMMARY OF</b>		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(2.76539)
				46	DG (line 44)	0.00767
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(2.75772)

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

Line	<b>PURCHASED ENERGY COMPONENT</b>		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		13.813
49	PGV	On Peak	11.259
50	PGV	Off Peak	10.310
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	11.259
56	Wailuku Hydro	Off Peak	10.310
57	Hawi Renewable Dev.	On Peak	11.259
58	Hawi Renewable Dev.	Off Peak	10.310
59	Tawhiri (Pakini Nui)	On Peak	19.190
60	Tawhiri (Pakini Nui)	Off Peak	15.410
61			
62	Small Hydro (>100 KW)	On Peak	11.259
63	Small Hydro (>100 KW)	Off Peak	10.310
64	Sch Q Hydro (<100 KW)		10.550
65	FIT		18.900
	PURCHASED ENERGY KWH MIX, %		
66	HEP		37.041
67	PGV	On Peak	16.181
68	PGV	Off Peak	10.329
69	PGV - Addt'l	On Peak	3.235
70	PGV - Addt'l	Off Peak	2.290
71	PGV - Add'l 8 MW	On Peak	4.154
72	PGV - Add'l 8 MW	Off Peak	4.540
73	Wailuku Hydro	On Peak	1.583
74	Wailuku Hydro	Off Peak	1.101
75	Hawi Renewable Dev.	On Peak	3.566
76	Hawi Renewable Dev.	Off Peak	1.392
77	Tawhiri (Pakini Nui)	On Peak	8.753
78	Tawhiri (Pakini Nui)	Off Peak	5.195
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)		0.136
83	FIT		0.504
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		12.783
85	% Input to System kWh Mix		68.721
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		8.78461
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))		1.58947
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		1.86132

Line	<b>SYSTEM COMPOSITE</b>	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) (0.89640)	
95	Not Used 0.000	
96	Not Used 0.000	
97	ECA Reconciliation Adjustment 0.476	
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97)) (0.420)	

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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	59.4033	59.4033
Land Transportation Cost - \$/BBL	--	1.1073
Industrial Costs For Filing - \$/BBL	59.4033	60.5106
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	942.91	960.49

**DIESEL FUEL COSTS:**

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	85.7035	85.7035	85.7035
Land Transportation Cost - \$/BBL	3.3648	1.4503	1.1995
Diesel Costs For Filing - \$/BBL	89.0683	87.1539	86.9030
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,519.94	1,487.27	1,482.99

**ULSD FUEL COSTS:**

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	102.1256	102.1256	102.1256	102.1256
Land Transportation Cost - \$/BBL	1.8001	2.6340	0.9879	-
ULSD Costs For Filing - \$/BBL	103.9257	104.7596	103.1135	102.1256
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,813.71	1,828.27	1,799.54	1,782.30

**Dispersed Generation, cents per kWh**

**DIESEL FUEL COSTS:**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	147.2949
\$/BBI Inv Cost:	102.1256
Fuel \$ (Prod Sim Consumption x Unit Cost)	15,042.58
Net kWh (from Prod Sim)	81,000
cents/kWh:	18.571

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 03/31/2015	3,761	0.00	19,318	1,330,218.85			
Less: Est'd Inventory Addn			(1,787)	(95,992.73)			
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	(16,785)	(1,176,608.16)			
Actual	0	0.00	33,132	2,134,962.53			
Consumed: Estimate	0	0.00	34,510	2,644,725.62			
Actual	0	0.00	(34,007)	(2,606,177.46)			
Balance Per G/L 03/31/2015	<u>3,761</u>	<u>0.00</u>	<u>34,381</u>	<u>2,231,128.66</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	22,052	1,303,109.19			
Consumed	<u>0</u>	<u>0.00</u>	<u>(32,020)</u>	<u>(1,953,269.73)</u>	106.5901	0.0000	106.5901
Balance @ 04/30/2015	3,761	0.00	24,413	1,580,968.12			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 04/30/2015	<u>3,761</u>	<u>0.00</u>	<u>24,413</u>	<u>1,580,968.12</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(1,580,968.12)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	1,450,211.80			
Total @ 9/30/2013 Avg Price	<u>3,761</u>	<u>0.00</u>	<u>24,413</u>	<u>1,450,211.80</u>			

Weighted Avg Cost/BBL by Location 0.0000 64.7593

Weighted Avg Cost/BBL @ Avg Cost 0.0000 59.4033

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 03/31/2015	3,851	192,922.00	5,392.43			
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	(2,914)	(121,062.06)	(3,846.48)			
Actual	882	0.00	0.00			
Consumed: Estimate	3,127	239,642.34	5,303.44			
Actual	(2,320)	(177,796.68)	(3,934.76)			
Balance Per G/L 03/31/2015	<u>2,626</u>	<u>133,705.60</u>	<u>2,914.63</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	70	0	92.40			
Consumed	(74)	(4,514.11)	(103.62)	61.0016	1.4003	62.4018
Balance @ 04/30/2015	<u>2,622</u>	<u>129,191.49</u>	<u>2,903.41</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>2,622</u>	<u>129,191.49</u>	<u>2,903.41</u>		<u>1.1073</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(129,191.49)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	155,755.35	XXXXXXXXXXXX			
Total @ 04/30/2015 Avg Price	<u>2,622</u>	<u>155,755.35</u>	<u>2,903.41</u>			

Weighted Avg Cost/BBL by Location

49.2721

1.1073

Weighted Avg Cost/BBL @ Avg Cost

59.4033

1.1073



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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 03/31/2015	19,320.8	811,472.0	1,634,411.1	30,628.9			
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	(31,360.3)	(1,317,133.0)	(2,779,200.9)	(90,954.3)			
Actual	34,604.2	1,453,376.0	3,021,960.3	98,667.58			
Consumed: Estimate	53,555.7	2,249,340.0	5,003,851.9	123,655.34			
Actual	(53,070.1)	(2,228,945.0)	(4,958,481.5)	(122,534.2)	93.4326		
Balance Per G/L 03/31/2015	23,050.2	968,110	1,922,540.98	39,463.36	83.4066		
Purchases	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	36,462.0	1,531,402.0	3,122,455.6	105,750.6	85.6360		
Consumed	(35,509.9)	(1,491,414.0)	(2,983,921.5)	(56,293.21)	84.0308	1.5853	85.6161
Balance @ 04/30/2015	24,002.3	1,008,098	2,061,075.06	88,920.75	85.8698		
Inventory From Offsite/Transfers	12,022.6	504,947.1	1,061,641.8	34,869.00			
Est'd Inventory Addition	2,440.0	102,480	205,500.1	5,636.40			
Fuel Balance @ Avg Price	38,464.9	1,615,525	3,328,216.95	129,426.15	86.5261		
Reverse Fuel Balance	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	(3,328,217.0)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	3,296,575.7	xxxxxxxxxxxxxxx			
Total @ 04/30/2015 Avg Price	38,464.9	1,615,525	3,296,575.70	129,426.15	85.7035		

Weighted Avg Cost/BBL by Location 86.5261 3.3648

Weighted Avg Cost/BBL @ Avg Cost 85.7035 3.3648

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 03/31/2015	3,823.4	160,584.0	259,506.9	6,148.0			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers in: Estimate	(11,163.8)	(468,880.0)	(947,441.5)	(12,626.3)			
Actual	9,424.7	395,836.0	814,100.0	10,746.2			
Consumed: Estimate	11,727.9	492,571.0	1,095,766.9	12,800.4			
Actual	(11,603.6)	(487,350.0)	#####	(12,723.4)			
Balance Per G/L 03/31/2015	2,208.6	92,761	137,779.99	4,344.95			
Purchases		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer in	2,774.4	116,525.0	244,672.2	3,137.9	88.1891		
Consumed	(1,622.3)	(68,135)	(136,319.96)	(2,608.58)	84.0308	1.6080	85.6388
Balance @ 04/30/2015	3,360.7	141,151	246,132.19	4,874.22	73.2375		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 04/30/2015	3,360.7	141,151	246,132.19	4,874.22	73.2375		
Reverse Fuel Balance		XXXXXXXXXXXXXX	(246,132.19)	XXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXX	288,027.07	XXXXXXXXXXXXXX			
Total @ 04/30/2015 Avg Price	3,360.7	141,151	288,027.07	4,874.22	85.7035		

Weighted Avg Cost/BBL by Location 73.2375 1.4503

Weighted Avg Cost/BBL @ Avg Cost 85.7035 1.4503

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 03/31/2015	1846.8	77,564	172,155	2,117			
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	5.4	228.0	0.0	5.4			
Actual	-54.2	-2278.0	0.0	0.0			
Consumed: Estimate	25.5	1073.0	2387.0	17.8			
Actual	-91.5	-3845.0	-8553.5	-64.0			
Balance Per G/L 03/31/2015	1732.0	72,742	165,988.31	2,076.29	95.8388		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	-0.9	-38.0	0.0	-0.9	0.0000		
Consumed	-19.8	-832.0	-1664.6	-22.7	84.0308	1.1463	85.1771
Balance @ 04/30/2015	1,711.2	71,872	164,323.70	2,052.68	96.0262		
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	1,711.2	71,872	164,323.70	2,052.68	96.0262		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -164,323.70	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 146,659.12	XXXXXXXXXXXX			
Total @ 04/30/2015 Avg Price	1,711.2	71,872	146,659.12	2,052.68	85.7035		

Weighted Avg Cost/BBL by Location

96.0262 1.1995

Weighted Avg Cost/BBL @ Avg Cost

85.7035 1.1995

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

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 03/31/2015	2,122.3	89,137	218,280.94	3,560.87			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(567.8)	(23,849)	(47,032.64)	(1,646.89)			
Actual	377.8	15,869	31,295.27	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(19)	0.00	(1.04)			
Actual		(7)	0.00	1,095.83			
Consumed: Estimate	473.8	19,899	52,616.54	1,180.33			
Actual	(452.6)	(19,009)	(50,263.22)	(1,127.54)	111.0556		
Balance Per G/L 03/31/2015	1,952.9	82,021	204,896.89	3,061.57	104.9203		
Purchases	188.9	7,933	16,118.27	547.81	0.0000		
Estimated Purchases	190.0	7,980	16,213.76	551.06			
Transfer in	3.8	161	0.00	8.86	0.00		
Consumed	(287.1)	(12,059)	(29,741.39)	(481.74)	103.5856	1.6778	105.2634
Balance @ 04/30/2015	2,048.5	86,036	207,487.53	3,687.56	101.2887		
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	2,048.5	86,036	207,487.53	3,687.56	101.2887		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(207,487.53)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	209,201.82	xxxxxxxxxxxx			
Total @ 04/30/2015 Avg Price	2,048.5	86,036	209,201.82	3,687.56	102.1256		

Weighted Avg Cost/BBL by Location

101.2887      1.8001

Weighted Avg Cost/BBL @ Avg Cost

102.1256      1.8001

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 03/31/2015	1,510.9	63,458.0	154,325.9	3,981.26			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(15,916)	(31,387.95)	(915.63)			
Actual		7,936.0	15,650.6	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	1.4	60	0.00	0.00			
Actual	(0.2)	(10)	0.00	456.55			
Consumed: Estimate	255.7	10,738	28,393.20	599.99			
Actual	(301.5)	(12,662)	(33,480.61)	(725.39)			
Balance Per G/L 03/31/2015	1,276.3	53,604	133,501.12	3,396.79	104.6013		
ULSD Purchases	188.6	7,921	16,093.90	455.68	85.3357		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxx	(99)	0.00	0.00	#DIV/0!		
Consumed	(119.1)	(5,002)	(12,336.55)	(313.82)	103.5856	2.6350	106.2206
Balance @ 04/30/2015	1,343.4	56,424	137,258.47	3,538.65	102.1703		
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	1,343.4	56,424	137,258.47	3,538.65	102.1703		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(137,258.47)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	137,198.42	xxxxxxxxxxxx			
Total @ 04/30/2015 Avg Price	1,343.4	56,424	137,198.42	3,538.65	102.1256		

Weighted Avg Cost/BBL by Location

102.1703 2.6340

Weighted Avg Cost/BBL @ Avg Cost

102.1256 2.6340

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 03/31/2015	1,237.1	51,960.0	131,302.2	1,218.7		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	(189.4)	(7,955)	(15,688.06)	(189.06)		
Actual	377.9	15,871	31,299.21	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate		39	0.00	0.93		
Actual		(39)	0.00	377.20		
Consumed: Estimate	236.9	9,951	26,312.24	434.79		
Actual	(257.3)	(10,808)	(28,578.30)	(448.57)		
Balance Per G/L 03/31/2015	1,405.2	59,019	144,647.25	1,393.96		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	0	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(133.5)	(5,606)	(13,826.21)	(137.63)	103.5855706	0.9851
Balance @ 04/30/2015	1,271.7	53,413	130,821.04	1,256.33		
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	1,271.7	53,413	130,821.04	1,256.33		
Reverse Fuel Balance	x	x	(130,821.04)	x		
Fuel Balance @ Avg Price	x	x	129,876.99	x		
Total @ 04/30/2015 Avg Price	1,271.7	53,413	129,876.99	1,256.33		

Weighted Avg Cost/BBL by Location 102.8679 0.9879

Weighted Avg Cost/BBL @ Avg Cost 102.1256 0.9879

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 03/31/2015	87.0	3,653	9,599.21	
Less: Est'd Inven Addition	0.0	XXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	4.1	174	460.09	
Actual	(4.1)	(172)	(454.80)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	
Balance Per G/L 03/31/2015	87.02	3,655	9,604.50	110.3663
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	
Consumed	(4.8)	(200)	(493.26)	103.5856
Balance @ 04/30/2015	82.3	3,455	9,111.24	110.7589
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 04/30/2015	82.3	3,455	9,111.24	
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(9,111.24)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	8,401.04	xxxx
Total @ 04/30/2015 Avg Price	82.3	3,455	8,401.04	102.1256

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

TYPE OF OIL BURNED

<b>INDUSTRIAL *</b>	<u>Hill Industrial</u>		<u>Puna Industrial</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	48.79	3.0733	48.79	3.0733
Ocean Transportation	55.84	3.5177	55.84	3.5177
Storage	17.20	1.0833	17.20	1.0833
Wharfage	3.65	0.2300	3.65	0.2300
<b>DIESEL *</b>	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	88.49	5.3804	91.82	5.3804
Ocean Transportation	60.03	3.5177	60.03	3.5177
Storage	18.49	1.0833	18.49	1.0833
Wharfage	3.92	0.2300	3.92	0.2300
	<u>Kona Diesel</u>		<u>CT3 Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	88.49	5.3804	88.49	5.3804
Ocean Transportation	60.03	3.5177	60.03	3.5177
Storage	18.49	1.0833	18.49	1.0833
Wharfage	3.92	0.2300	3.92	0.2300
<b>ULSD **</b>	<u>ULSD</u>			
	<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 May 1, 2015

		<u>May 1, 2015</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	11.259	6.560
PGV (22 MW)	- off peak	10.310	5.430
WAILUKU HYDRO	- on peak	11.259	7.240
	.	10.310	5.970
Other: (<100 KW)	Sch Q Rate	10.55	
		<u>May 1, 2015</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		13.813	
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**  
May 1, 2015

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be returned or collected	\$1,118,800
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	\$372,933
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$409,300
5	Estimated MWh Sales (May 1, 2015)	86,051 mwh
6	Adjustment (Line 4 / Line 5)	0.476 ¢/kwh

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

<u>LINE</u>	<u>DESCRIPTION</u>	Info Only March 2015 YTD Total <u>No Deadband</u>	collectn by <u>company*</u>	Basis for Recon March 2015 YTD Total <u>Deadband</u>	Collection or Refund by <u>Company</u>
ACTUAL COSTS:					
1	Generation	\$23,380.8		\$23,380.8	
2	Distributed Generation	\$3.8		\$3.8	
3	Purch Power	\$17,109.2		\$17,109.2	
4	TOTAL	<u>\$40,493.8</u>		<u>\$40,493.8</u>	
FUEL FILING COST (1)					
5	Generation	\$23,153.2		\$23,255.6	
6	Distributed Generation	\$3.8		\$3.8	
7	Purch Power	\$17,109.2		\$17,109.2	
8	TOTAL	<u>\$40,266.2</u>		<u>\$40,368.5</u>	
BASE FUEL COST					
9	Generation	\$18,677.0		\$18,677.0	
10	Distributed Generation	\$1.3		\$1.3	
11	Purch Power	\$18,543.4		\$18,543.4	
12	TOTAL	<u>\$37,221.8</u>		<u>\$37,221.8</u>	
13	FUEL-BASE COST (Line 8-12)	\$3,044.4		\$3,146.7	
14	ACTUAL FOA LESS TAX	\$1,795.8		\$1,795.8	
15	Less: FOA reconciliation adj for prior year	-\$232.1		-\$232.1	
16	ADJUSTED FOA LESS TAX	<u>\$2,027.9</u>		<u>\$2,027.9</u>	
17	FOA-(FUEL-BASE) (Line 16-13)	-\$1,016.5	under	-\$1,118.8	under
ADJUSTMENTS:					
18	Current year FOA accrual reversal	\$0.0		\$0.0	
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>-\$1,016.5</u>	under	<u>-\$1,118.8</u>	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 - Mar, 2015  
YTD

	Notes	
<b><u>Industrial</u></b>		
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	39,824,681
Industrial Consumption (Recorded), MMBTU	b	576,922
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	14,487
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	<b>15,048</b>
<b><u>Diesel</u></b>		
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	84,705,660
Diesel Consumption (Recorded), MMBTU	b	911,791
Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	10,764
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	<b>10,524</b>
<b><u>Biodiesel</u></b>		
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	<b>0</b>
<b><u>Hydro</u></b>		
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	2,187,298
Hydro Consumption (Recorded), MMBTU	b	26,033
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	11,902
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	<b>12,521</b>

\* 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**

	<u>Without Deadband</u>	<u>With Deadband</u>
	<u>Jan 1 - Mar 31</u>	<u>As Filed</u>
	<u>Jan 1 - Mar 31</u>	<u>Jan 1 - Mar 31</u>
<b><u>INDUSTRIAL FUEL FILING COST</u></b>		
Industrial Portion of Recorded Sales , kWh	39,824,681	39,824,681
Industrial Efficiency Factor (mmbtu/kwh)	0.015148	0.015048
Mmbtu adjusted for Sales Efficiency Factor	603,264	599,282
\$/mmbtu	<u>\$12.2579</u>	<u>\$12.2579</u>
<b>TOTAL INDUSTRIAL \$000s TO BE RECOVERED</b>	<b>\$7,394.772</b>	<b>\$7,345.955</b>
<b><u>DIESEL FUEL FILING COST</u></b>		
Diesel Portion of Recorded Sales, kWh	84,705,660	84,705,660
Diesel Efficiency Factor (mmbtu/kwh)	0.010424	0.010524
Mmbtu adjusted for Sales Efficiency Factor	882,972	891,442
\$/mmbtu	<u>\$17.8471</u>	<u>\$17.8471</u>
<b>TOTAL DIESEL \$000s TO BE RECOVERED</b>	<b>\$15,758.462</b>	<b>\$15,909.637</b>
<b><u>HYDRO FUEL FILING COST</u></b>		
Hydro Portion of Recorded Sales , kWh	2,187,298	2,187,298
Hydro Efficiency Factor (mmbtu/kwh)	0.012621	0.012521
Mmbtu adjusted for Sales Efficiency Factor	27,606	27,387
\$/mmbtu	<u>\$0.0000</u>	<u>\$0.0000</u>
<b>TOTAL HYDRO \$000s TO BE RECOVERED</b>	<b>\$0.000</b>	<b>\$0.000</b>
<b>TOTAL GENERATION FUEL FILING COST, \$000s</b>	<b>\$23,153.2</b>	<b>\$23,255.6</b>
<b><u>CALCULATION OF GENERATION BASE FUEL COST</u></b>		
<b>TOTAL GENERATION BASE FUEL COST, \$000s</b>	<b>\$18,677.0</b>	<b>\$18,677.0</b>
<b>TOTAL GENERATION FUEL FILING COST, \$000s YTD</b>	<b>\$23,153.2</b>	<b>\$23,255.6</b>
<b>TOTAL GENERATION BASE FUEL COST YTD</b>	<b>\$18,677.0</b>	<b>\$18,677.0</b>

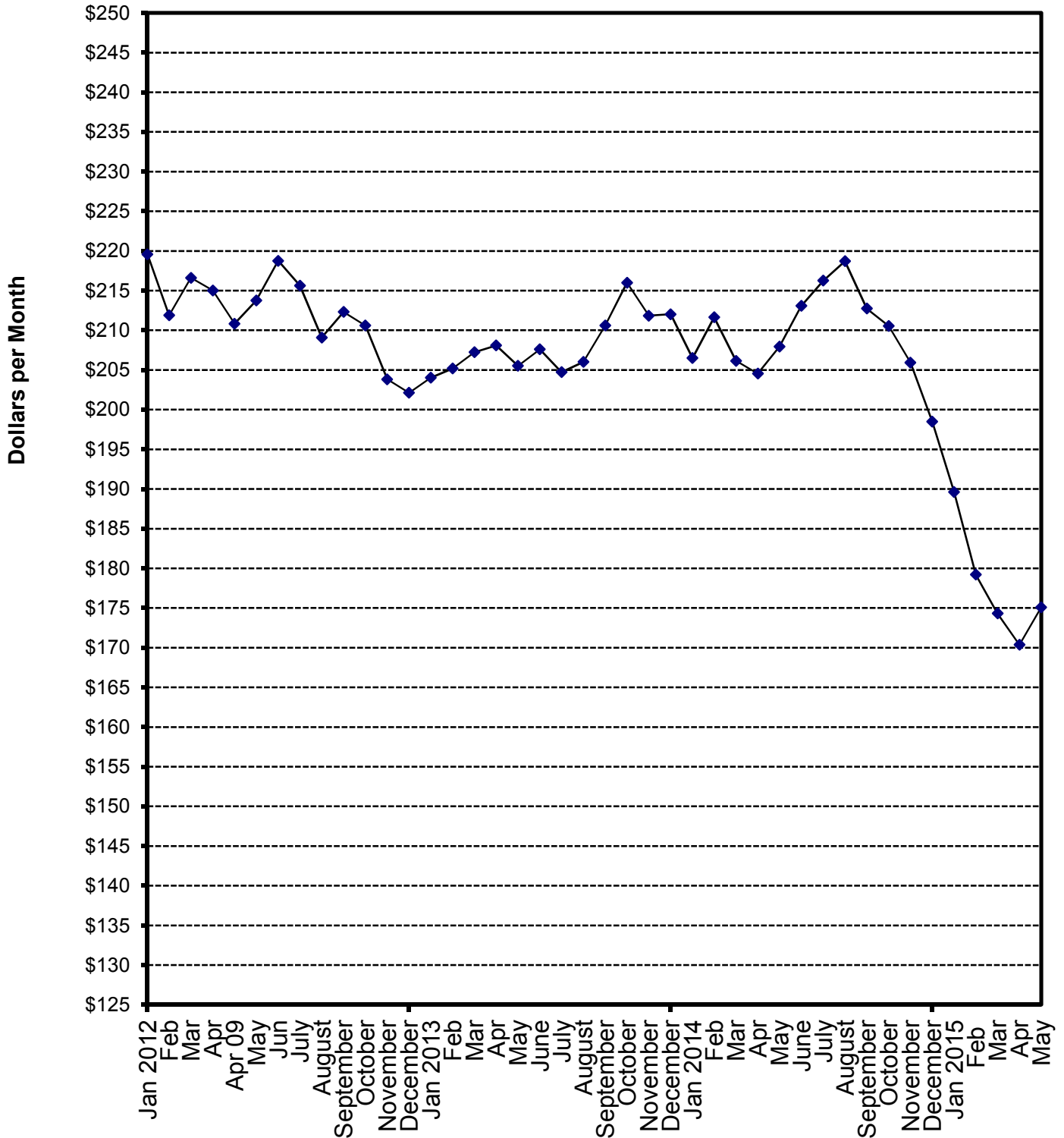
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2015 Cumulative Reconciliation Balance

<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)		
May	(1,118,800)	[1]	(7,543)	(1,111,257)	372,933		
June							
July							
August							
September							
October							
November							
December							

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 6)  
A positive number is an over-collection. A negative number is an under-collection.
- Col(2): FOA reconciliation adjustment variance accumulated during the last three months, starting with the fourth prior month; the difference between the estimated recorded sales used to derive the \$/kwh adjustment and the actual recorded sales.  
(Col(5)-Col(4))
- Col(3): FOA reconciliation generated in the current quarter. The YTD FOA reconciliation difference minus the adjustment variance. Col(1)-Col(2)
- Col(4): Amount that the FOA reconciliation adjustment is trying to collect. (Col(1) \* 1/3)
- Col(5): Actual collected amount. (recorded sales \* \$/kwh adjustment/1.09751)
- Col(6): Cumulative balance of the FOA reconciliation (Previous balance + Col(3) + Col(5))

## Hawaii Electric Light Company, Inc. Residential Bill at 500 KWH/Month Consumption



**HAWAII ELECTRIC LIGHT COMPANY, INC.  
FUEL OIL ADJUSTMENT FACTOR DATA**

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		
	<u>COMMERCIAL</u>	<u>RESIDENTIAL &amp; @ 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



**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
<b>6/1/2014</b>	<b>RBA RATE ADJUSTMENT</b>	<b>1.2225 CENTS/KWH</b>
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
<b>12/1/2014</b>	<b>RESIDENTIAL PBF SURCHARGE ADJUSTMENT</b>	<b>0.7583 CENTS/KWH</b>
<b>12/1/2014</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.2900 DOLLARS/MONTH</b>
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
<b>5/1/2015-5/31/2015</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.3109 CENTS/KWH</b>
<b>5/1/2015</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 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		
	4-01-15	5-01-15	4-01-15	5-01-15	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	
Next 700 kWh per month	¢/kwh 14.5537	14.5537	\$29.11	\$29.11	
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 1.2225	1.2225	\$6.11	\$6.11	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh 2.2424	2.3109	\$11.21	\$11.55	\$0.34
<b>PBF Surcharge</b>	¢/kwh 0.7583	0.7583	\$3.79	\$3.79	\$0.00
<b>DSM Adjustment</b>	¢/kwh 0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh (0.3084)	0.0000	-\$1.54	\$0.00	\$1.54
<b>Energy Cost Adjustment</b>	¢/kwh (0.9900)	(0.4200)	-\$4.95	-\$2.10	\$2.85
<b>Green Infrastructure Fee</b>	\$ 1.2900	1.2900	\$1.29	\$1.29	\$0.00
<b>Avg Residential Bill at 500 kwh</b>			\$170.37	\$175.10	

Increase (Decrease -)	\$4.73
% Change	2.78%

	Rate		Charge (\$) at 600 Kwh		
	4-01-15	5-01-15	4-01-15	5-01-15	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	
Next 700 kWh per month	¢/kwh 14.5537	14.5537	\$43.66	\$43.66	
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 1.2225	1.2225	\$7.34	\$7.34	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh 2.2424	2.3109	\$13.45	\$13.87	\$0.42
<b>PBF Surcharge</b>	¢/kwh 0.7583	0.7583	\$4.55	\$4.55	\$0.00
<b>DSM Adjustment</b>	¢/kwh 0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh (0.3084)	0.0000	-\$1.85	\$0.00	\$1.85
<b>Energy Cost Adjustment</b>	¢/kwh (0.9900)	(0.4200)	-\$5.94	-\$2.52	\$3.42
<b>Green Infrastructure Fee</b>	\$ 1.2900	1.2900	\$1.29	\$1.29	\$0.00
<b>Avg Residential Bill at 600 kwh</b>			\$204.10	\$209.79	

Increase (Decrease -)	\$5.69
% Change	2.79%