

# 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

January 28, 2014

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 February 2015

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment factor for February 2015 is 0.485 cents per kilowatt-hour ("kWh"), a decrease of 1.884 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$179.22, a decrease of \$10.40 compared to the rates effective January 1, 2015. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$9.42) and the decrease in the Purchased Power Adjustment Clause rate (-\$0.98).

Hawai'i Electric Light's fuel composite cost of generation decreased 84.550 cents per million BTU to 1,626.39 cents per million BTU. The composite cost of distributed generation decreased 3.283 cents per kWh to 19.081 cents per kWh. The composite cost of purchased energy decreased 1.445 cents per kWh to 12.683 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 February 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>1-01-15</u>	<u>2-01-15</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,710.94	1,626.39	(84.550)
Dispersed Generation Energy, ¢/kWh	22.364	19.081	(3.283)
Purchased Energy, ¢/kWh	14.128	12.683	(1.445)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	2.369	0.485	(1.884)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	2.369	0.485	(1.884)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$189.62	\$179.22	(10.40)
600 KWH Consumption - \$/Bill	\$227.20	\$214.71	(12.49)

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

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

<u>Line</u>		
1	Effective Date	February 1, 2015
2	Supercedes Factors of	January 1, 2015

**GENERATION COMPONENT**

<b>CENTRAL STATION WITH WIND/HYDRO COMPONENT</b>						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		1,223.78			
5	Puna Industrial		1,250.08			
6	Keahole Diesel		1,904.84			
6a	Keahole ULSD		2,046.89			
7	Waimea ULSD Diesel		2,007.21			
8	Hilo Diesel		1,837.89			
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		2,001.37			
9	Puna Diesel		1,842.63			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		25.703			
14	Puna Industrial		0.000			
15	Keahole Diesel		59.740			
15a	Keahole ULSD		1.343			
16	Waimea ULSD Diesel		1.280			
17	Hilo Diesel		0.718			
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>		1.031			
18	Puna Diesel		4.715			
19	Wind		0.000			
20	Hydro		5.470			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,626.39			
22	% Input to System kWh Mix		36.751			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of			
		Eff Factor	Centrl Stn +	Weighted		
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Wind/Hydro</u>	<u>Eff Factor</u>		
23	Industrial	0.015148	21.066	0.003191		
24	Diesel	0.010424	74.416	0.007757		
25	Other	0.012621	4.518	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)]			0.0115180		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			6.88448		
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)			(0.23347)		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			(0.25623)		
				<b>DG ENERGY COMPONENT</b>		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	19.081
				36	% Input to System kWh Mix	0.417
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.07957
				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)	0.07015
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.08215
				<b>SUMMARY OF</b>		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(0.25623)
				46	DG (line 44)	0.08215
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(0.17408)

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

Line	<b>PURCHASED ENERGY COMPONENT</b>		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		12.115
49	PGV	On Peak	11.830
50	PGV	Off Peak	11.197
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	11.830
56	Wailuku Hydro	Off Peak	11.197
57	Hawi Renewable Dev.	On Peak	11.830
58	Hawi Renewable Dev.	Off Peak	11.197
59	Tawhiri (Pakini Nui)	On Peak	19.690
60	Tawhiri (Pakini Nui)	Off Peak	15.830
61			
62	Small Hydro (>100 KW)	On Peak	11.830
63	Small Hydro (>100 KW)	Off Peak	11.197
64	Sch Q Hydro (<100 KW)		11.240
65	FIT		18.900
	PURCHASED ENERGY KWH MIX, %		
66	HEP		37.417
67	PGV	On Peak	14.859
68	PGV	Off Peak	9.420
69	PGV - Addt'l	On Peak	2.726
70	PGV - Addt'l	Off Peak	1.970
71	PGV - Add'l 8 MW	On Peak	3.521
72	PGV - Add'l 8 MW	Off Peak	3.862
73	Wailuku Hydro	On Peak	2.003
74	Wailuku Hydro	Off Peak	1.363
75	Hawi Renewable Dev.	On Peak	3.538
76	Hawi Renewable Dev.	Off Peak	1.993
77	Tawhiri (Pakini Nui)	On Peak	10.490
78	Tawhiri (Pakini Nui)	Off Peak	6.198
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)		0.135
83	FIT		0.505
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		12.683
85	% Input to System kWh Mix		62.832
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		7.96898
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))		0.77384
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		0.90619

Line	<b>SYSTEM COMPOSITE</b>	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	
		0.73211
95	Not Used	
		0.000
96	Not Used	
		0.000
97	ECA Reconciliation Adjustment	
		(0.247)
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	
		0.485

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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	77.0982	77.0982
Land Transportation Cost - \$/BBL	--	1.6566
Industrial Costs For Filing - \$/BBL	77.0982	78.7548
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	<u>1,223.78</u>	<u>1,250.08</u>

**DIESEL FUEL COSTS:**

	KEAHOLE	PUNA CT-3	HILO
Average Diesel Fuel Cost - \$/BBL	107.0145	107.0145	107.0145
Land Transportation Cost - \$/BBL	4.6090	0.9635	0.6859
Diesel Costs For Filing - \$/BBL	111.6235	107.9780	107.7004
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	<u>1,904.84</u>	<u>1,842.63</u>	<u>1,837.89</u>

**ULSD FUEL COSTS:**

	KEAHOLE	WAIMEA	HILO	DISPERSED GENERATION
Average ULSD Fuel Cost - \$/BBL	113.0546	113.0546	113.0546	113.0546
Land Transportation Cost - \$/BBL	4.2322	1.9587	1.6236	-
ULSD Costs For Filing - \$/BBL	117.2868	115.0134	114.6782	113.0546
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	<u>2,046.89</u>	<u>2,007.21</u>	<u>2,001.37</u>	<u>1,973.03</u>

**Dispersed Generation, cents per kWh**

**DIESEL FUEL COSTS:**

	COMPOSITE COST OF DISP. GEN.
BBIs Fuel:	607.5916
\$/BBI Inv Cost:	113.0546
Fuel \$ (Prod Sim Consumption x Unit Cost)	68,691.04
Net kWh (from Prod Sim)	360,000
cents/kWh:	<u>19.081</u>

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 12/31/2014	3,761	0.00	32,543	2,957,978.62			
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	(26,376)	(2,376,032.92)			
Actual	0	0.00	31,739	2,820,010.89			
Consumed: Estimate	0	0.00	30,879	2,935,845.63			
Actual	0	0.00	(32,024)	(3,044,707.42)			
Balance Per G/L 12/31/2014	<u>3,761</u>	<u>0.00</u>	<u>36,761</u>	<u>3,293,094.80</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	30,769	2,214,238.49			
Consumed	<u>0</u>	<u>0.00</u>	<u>(20,541)</u>	<u>(1,813,425.21)</u>	106.5901	0.0000	106.5901
Balance @ 01/01/2015	3,761	0.00	46,989	3,693,908.08			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 01/01/2015	<u>3,761</u>	<u>0.00</u>	<u>46,989</u>	<u>3,693,908.08</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(3,693,908.08)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	3,622,768.99			
Total @ 9/30/2013 Avg Price	<u>3,761</u>	<u>0.00</u>	<u>46,989</u>	<u>3,622,768.99</u>			
Weighted Avg Cost/BBL by Location		0.0000		78.6122			
Weighted Avg Cost/BBL @ Avg Cost		0.0000		77.0982			

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 12/31/2014	9,582	909,881.67	15,871.13			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers out: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Consumed: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Balance Per G/L 12/31/2014	<u>9,582</u>	<u>909,881.67</u>	<u>15,871.13</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	0	0	0.00			
Consumed	(7,936)	<u>(700,615.48)</u>	(13,144.40)	88.2832	1.6563	89.9395
Balance @ 01/01/2015	<u>1,646</u>	<u>209,266.19</u>	<u>2,726.73</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>1,646</u>	<u>209,266.19</u>	<u>2,726.73</u>		1.6566	
Reverse Fuel Balance	XXXXXXXXXXXX	(209,266.19)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	126,903.70	XXXXXXXXXXXXXXXXXXXX			
Total @ 01/01/2015 Avg Price	<u>1,646</u>	<u>126,903.70</u>	<u>2,726.73</u>			

Weighted Avg Cost/BBL by Location

127.1362

1.6566

Weighted Avg Cost/BBL @ Avg Cost

77.0982

1.6566



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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 12/31/2014	44,608.6	1,873,560.0	5,353,351.9	100,303.6			
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		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfers in: Estimate	(40,913.2)	(1,718,355.0)	(4,869,659.5)	(94,509.5)			
Actual	37,145.1	1,560,095.0	4,371,412.8	83,394.36			
Consumed: Estimate	34,424.6	1,445,833.0	4,201,397.9	77,007.82			
Actual	(35,255.0)	(1,480,712.0)	(4,302,751.6)	2,676.1	122.0464		
Balance Per G/L 12/31/2014	40,010.0	1,680,421	4,753,751.53	168,872.31	118.8140		
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer in	31,765.8	1,334,165.0	3,467,645.3	73,379.1	109.1627		
Consumed	(38,956.5)	(1,636,172.0)	(4,370,682.9)	(87,593.64)	112.1940	2.2485	114.4425
Balance @ 01/01/2015	32,819.4	1,378,414	3,850,713.99	154,657.75	117.3305		
Inventory From Offsite/Transfers	1,476.6	62,017.2	138,167.3	3,410.95			
Est'd Inventory Addition	0.0	0	0.0	0.00			
Fuel Balance @ Avg Price	34,296.0	1,440,431	3,988,881.29	158,068.69	116.3075		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	(3,988,881.3)	xxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	3,670,167.4	xxxxxxxxxxxxxxxx			
Total @ 01/01/2015 Avg Price	34,296.0	1,440,431	3,670,167.44	158,068.69	107.0145		

Weighted Avg Cost/BBL by Location 116.3075 4.6090

Weighted Avg Cost/BBL @ Avg Cost 107.0145 4.6090

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 12/31/2014	6,067.0	254,813.0	721,925.0	5,738.4			
Less: Est'd Inven Addition	(691.2)	(29,030.0)	(60,817.5)	(629.0)			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfers in: Estimate	(1.2)	(51.0)	0.0	(1.1)			
Actual	1.3	54.0	0.0	0.0			
Consumed: Estimate	643.6	27,030.0	78,545.6	611.4			
Actual	(1,247.2)	(52,381.0)	(152,212.2)	(692.1)			
Balance Per G/L 12/31/2014	4,772.3	200,435	587,440.95	5,027.61			
Purchases		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX			
Transfer in	10,680.1	448,564.0	1,024,254.3	9,718.9	95.9031		
Consumed	(7,995.7)	(335,821)	(897,073.84)	(7,562.37)	112.1940	0.9458	113.1398
Balance @ 01/01/2015	7,456.6	313,178	714,621.46	7,184.13	95.8372		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 01/01/2015	7,456.6	313,178	714,621.46	7,184.13	95.8372		
Reverse Fuel Balance		XXXXXXXXXXXXXX	(714,621.46)	XXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXX	797,966.40	XXXXXXXXXXXXXX			
Total @ 01/01/2015 Avg Price	7,456.6	313,178	797,966.40	7,184.13	107.0145		

Weighted Avg Cost/BBL by Location 95.8372 0.9635

Weighted Avg Cost/BBL @ Avg Cost 107.0145 0.9635

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 12/31/2014	2175.5	91,371	267,073	1,648			
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	-2.7	-114.0	0.0	-1.9			
Actual	0.9	38.0	0.0	0.0			
Consumed: Estimate	34.3	1439.0	4181.5	26.0			
Actual	-60.9	-2559.0	-7436.1	-46.2			
Balance Per G/L 12/31/2014	2147.0	90,175	263,818.63	1,626.22	122.8764		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	188.0	7895.0	18321.0	-3.6	0.0000		
Consumed	-292.8	-12296.0	-32846.1	-221.8	112.1940	0.7577	112.9517
Balance @ 01/01/2015	2,042.2	85,774	249,293.53	1,400.78	122.0688		
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	2,042.2	85,774	249,293.53	1,400.78	122.0688		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -249,293.53	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 218,549.10	XXXXXXXXXXXX			
Total @ 01/01/2015 Avg Price	2,042.2	85,774	218,549.10	1,400.78	107.0145		

Weighted Avg Cost/BBL by Location

122.0688 0.6859

Weighted Avg Cost/BBL @ Avg Cost

107.0145 0.6859

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

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 12/31/2014	1,643.1	69,010	215,231.75	3,801.43			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(188.5)	(7,919)	(21,340.13)	(435.55)			
Actual	377.5	15,855	42,726.06	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(138)	0.00	(7.59)			
Actual		338	0.00	872.03			
Consumed: Estimate	490.9	20,618	61,988.61	1,140.08			
Actual	(546.1)	(22,936)	(71,491.02)	2,149.37	130.9131		
Balance Per G/L 12/31/2014	1,781.6	74,828	227,115.27	7,519.77	127.4769		
Purchases	755.9	31,747	70,967.25	1,746.09	0.0000		
Estimated Purchases	285.0	11,970	26,757.74	658.35			
Transfer in	11.1	468	0.00	25.74	0.00		
Consumed	(1,064.6)	(44,714)	(139,474.14)	(2,463.10)	131.0085	2.3136	133.3221
Balance @ 01/01/2015	1,769.0	74,299	185,366.12	7,486.84	104.7844		
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	1,769.0	74,299	185,366.12	7,486.84	104.7844		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(185,366.12)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	199,996.33	xxxxxxxxxxxx			
Total @ 01/01/2015 Avg Price	1,769.0	74,299	199,996.33	7,486.84	113.0546		

Weighted Avg Cost/BBL by Location

104.7844 4.2322

Weighted Avg Cost/BBL @ Avg Cost

113.0546 4.2322

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 12/31/2014	1,058.5	44,456.0	136,488.0	2,233.90			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(8,432)	(22,722.55)	(365.39)			
Actual		24,311.0	65,513.3	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(14.0)	(588)	0.00	0.00			
Actual	3.9	165	0.00	1,051.73			
Consumed: Estimate	476.0	19,990	60,100.51	1,007.92			
Actual	(523.9)	(22,002)	(68,579.76)	(1,037.36)			
Balance Per G/L 12/31/2014	1,378.6	57,900	170,799.45	2,890.80	123.8960		
ULSD Purchases	378.0	15,875	35,500.38	687.92	93.9223		
Estimated Purchases	285.0	11,970	26,767.85	518.70			
Transfer in	xxxxxxxxxxxx	42	0.00	0.00	#DIV/0!		
Consumed	(636.5)	(26,732)	(83,383.79)	(1,343.28)	131.0085	2.1105	133.1190
Balance @ 01/01/2015	1,406.1	59,055	149,683.88	2,754.13	106.4554		
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	1,406.1	59,055	149,683.88	2,754.13	106.4554		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(149,683.88)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	158,962.88	xxxxxxxxxxxx			
Total @ 01/01/2015 Avg Price	1,406.1	59,055	158,962.88	2,754.13	113.0546		

Weighted Avg Cost/BBL by Location

106.4554 1.9587

Weighted Avg Cost/BBL @ Avg Cost

113.0546 1.9587

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 12/31/2014	1,338.1	56,201.0	177,101.3	2,510.7		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	0.0	-	-	-		
Actual	0.0	0	0.00	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate			0	0.00	0.00	
Actual			0	0.00	0.00	
Consumed: Estimate	146.9	6,169	18,547.27	315.60		
Actual	(150.5)	(6,320)	(19,699.30)	(280.22)		
Balance Per G/L 12/31/2014	1,334.5	56,050	175,949.27	2,546.08		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	0	-	-	-		
Transfer in	4	152	0.00	3.61		
Consumed	(164.9)	(6,927)	(21,607.04)	(644.87)	131.0085	1.8763
Balance @ 01/01/2015	1,173.2	49,275	154,342.23	1,904.83		
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	1,173.2	49,275	154,342.23	1,904.83		
Reverse Fuel Balance	x	x	(154,342.23)	x		
Fuel Balance @ Avg Price	x	x	132,637.30	x		
Total @ 01/01/2015 Avg Price	1,173.2	49,275	132,637.30	1,904.83		
Weighted Avg Cost/BBL by Location			131.5550	1.6236		
Weighted Avg Cost/BBL @ Avg Cost			113.0546	1.6236		

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 12/31/2014	97.7	4,103	13,210.95	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	(2.3)	(95)	0.00	
Consumed: Estimate	10.0	419	974.12	
Actual	(14.7)	(616)	(603.68)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 12/31/2014	90.74	3,811	13,581.39	149.6768
Purchases	27.2	1,141	2,550.60	93.8872
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(18.2)	(763)	(2,379.99)	131.0085
Balance @ 01/01/2015	102.1	4,290	13,752.01	134.6350
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 01/01/2015	102.1	4,290	13,752.01	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(13,752.01)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	11,547.72	xxxx
Total @ 01/01/2015 Avg Price	102.1	4,290	11,547.72	113.0546

**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
**CONTRACT PRICES EFFECTIVE January 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>	55.99	3.5267	55.99	3.5267
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>	94.57	5.7580	98.26	5.7580
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>	94.57	5.7580	94.57	5.7580
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 February 1, 2015

		February 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	11.830	6.560
PGV (22 MW)	- off peak	11.197	5.430
WAILUKU HYDRO	- on peak	11.830	7.240
	.	11.197	5.970
Other: (<100 KW)	Sch Q Rate	11.24	

		February 1, 2015 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		12.115	
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**  
February 1, 2015

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be returned or collected	(\$534,600)
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	(\$178,200)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$195,577)
5	Estimated MWh Sales (February 1, 2015)	79,300 mwh
6	Adjustment (Line 4 / Line 5)	(0.247) ¢/kwh

HAWAII ELECTRIC LIGHT COMPANY, INC.  
2014 FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY  
(Thousand \$)

<u>LINE</u>	<u>DESCRIPTION</u>	Info Only December 2014 YTD Total <u>No Deadband</u>	collectn by company*	Basis for Recon December 2014 YTD Total <u>Deadband</u>	Collection or Refund by <u>Company</u>
ACTUAL COSTS:					
1	Generation	\$117,188.1		\$117,188.1	
2	Distributed Generation	\$26.8		\$26.8	
3	Purch Power	\$103,044.2		\$103,044.2	
4	TOTAL	<u>\$220,259.1</u>		<u>\$220,259.1</u>	
FUEL FILING COST (1)					
5	Generation	\$120,009.5		\$119,021.2	
6	Distributed Generation	\$26.8		\$26.8	
7	Purch Power	\$103,044.2		\$103,044.2	
8	TOTAL	<u>\$223,080.4</u>		<u>\$222,092.2</u>	
BASE FUEL COST					
9	Generation	\$74,920.9		\$74,920.9	
10	Distributed Generation	\$10.4		\$10.4	
11	Purch Power	\$81,674.7		\$81,674.7	
12	TOTAL	<u>\$156,606.1</u>		<u>\$156,606.1</u>	
13	FUEL-BASE COST (Line 8-12)	\$66,474.4		\$65,486.1	
14	ACTUAL FOA LESS TAX	\$65,583.1		\$65,583.1	
15	Less: FOA reconciliation adj for prior year	-\$309.7		-\$309.7	
16	ADJUSTED FOA LESS TAX	<u>\$65,892.8</u>		<u>\$65,892.8</u>	
17	FOA-(FUEL-BASE) (Line 16-13)	-\$581.6	under	\$406.7	over
ADJUSTMENTS:					
18	Current year FOA accrual reversal	-\$1,839.8		-\$1,839.8	
19	Other prior year FOA	\$0.0		\$0.0	
20	Other	\$3.3		\$3.3	
21	QUARTERLY FOA RECONCILIATION (Line 17+18+19+20)	<u>-\$2,418.0</u>	under	<u>-\$1,429.8</u>	under
22	Third Quarter FOA reconciliation			-1,964.3	under
23	FOA Reconciliation to be Returned or Collected			534.6	over

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

**Hawaii Electric Light Company, Inc.**  
**HELCO**  
**DEADBAND CALCULATION**  
**2014**

Jan 1 - Dec, 2014  
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	199,134,007
Industrial Consumption (Recorded), MMBTU	b	2,886,383
Industrial Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	14,495
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	<b>100</b>
Diesel Portion of Recorded Sales, MWh	a	287,207,018
Diesel Consumption (Recorded), MMBTU	b	2,965,765
Diesel Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	10,326
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>10,326</b>
<b><u>Biodiesel</u></b>		
Biodiesel Efficiency Factor (per D&O), BTU/kWh*	f	0
Biodiesel Deadband Definition, +/- BTU/kWh	d	<b>100</b>
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	<b>100</b>
Hydro Portion of Recorded Sales, MWh	a	21,973,225
Hydro Consumption (Recorded), MMBTU	b	263,708
Hydro Efficiency Factor (Recorded), BTU/kWh	c=(b/a) x 1000	12,001
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**  
**2014**

	<b>Without Deadband</b>	<b>With Deadband</b>
	<u>Jan 1 - Dec 31</u>	<u>Jan 1 - Dec 31</u>
<b><u>INDUSTRIAL FUEL FILING COST</u></b>		
Industrial Portion of Recorded Sales , kWh	199,134,007	199,134,007
Industrial Efficiency Factor (mmbtu/kwh)	0.015148	0.015048
Mmbtu adjusted for Sales Efficiency Factor	3,016,482	2,996,569
\$/mmbtu	<u>\$16.5755</u>	<u>\$16.5755</u>
<b>TOTAL INDUSTRIAL \$000s TO BE RECOVERED</b>	<b>\$49,999.683</b>	<b>\$49,669.608</b>
<b><u>DIESEL FUEL FILING COST</u></b>		
Diesel Portion of Recorded Sales, kWh	287,207,018	287,207,018
Diesel Efficiency Factor (mmbtu/kwh)	0.010424	0.010326
Mmbtu adjusted for Sales Efficiency Factor	2,993,846	2,965,700
\$/mmbtu	<u>\$23.3846</u>	<u>\$23.3846</u>
<b>TOTAL DIESEL \$000s TO BE RECOVERED</b>	<b>\$70,009.779</b>	<b>\$69,351.590</b>
<b><u>HYDRO FUEL FILING COST</u></b>		
Hydro Portion of Recorded Sales , kWh	21,973,225	21,973,225
Hydro Efficiency Factor (mmbtu/kwh)	0.012621	0.012521
Mmbtu adjusted for Sales Efficiency Factor	277,324	275,127
\$/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>\$120,009.5</b>	<b>\$119,021.2</b>
<b><u>CALCULATION OF GENERATION BASE FUEL COST</u></b>		
<b>TOTAL GENERATION BASE FUEL COST, \$000s</b>	<b>\$74,920.9</b>	<b>\$74,920.9</b>
<b>TOTAL GENERATION FUEL FILING COST, \$000s YTD</b>	<b>\$120,009.5</b>	<b>\$119,021.2</b>
<b>TOTAL GENERATION BASE FUEL COST YTD</b>	<b>\$74,920.9</b>	<b>\$74,920.9</b>

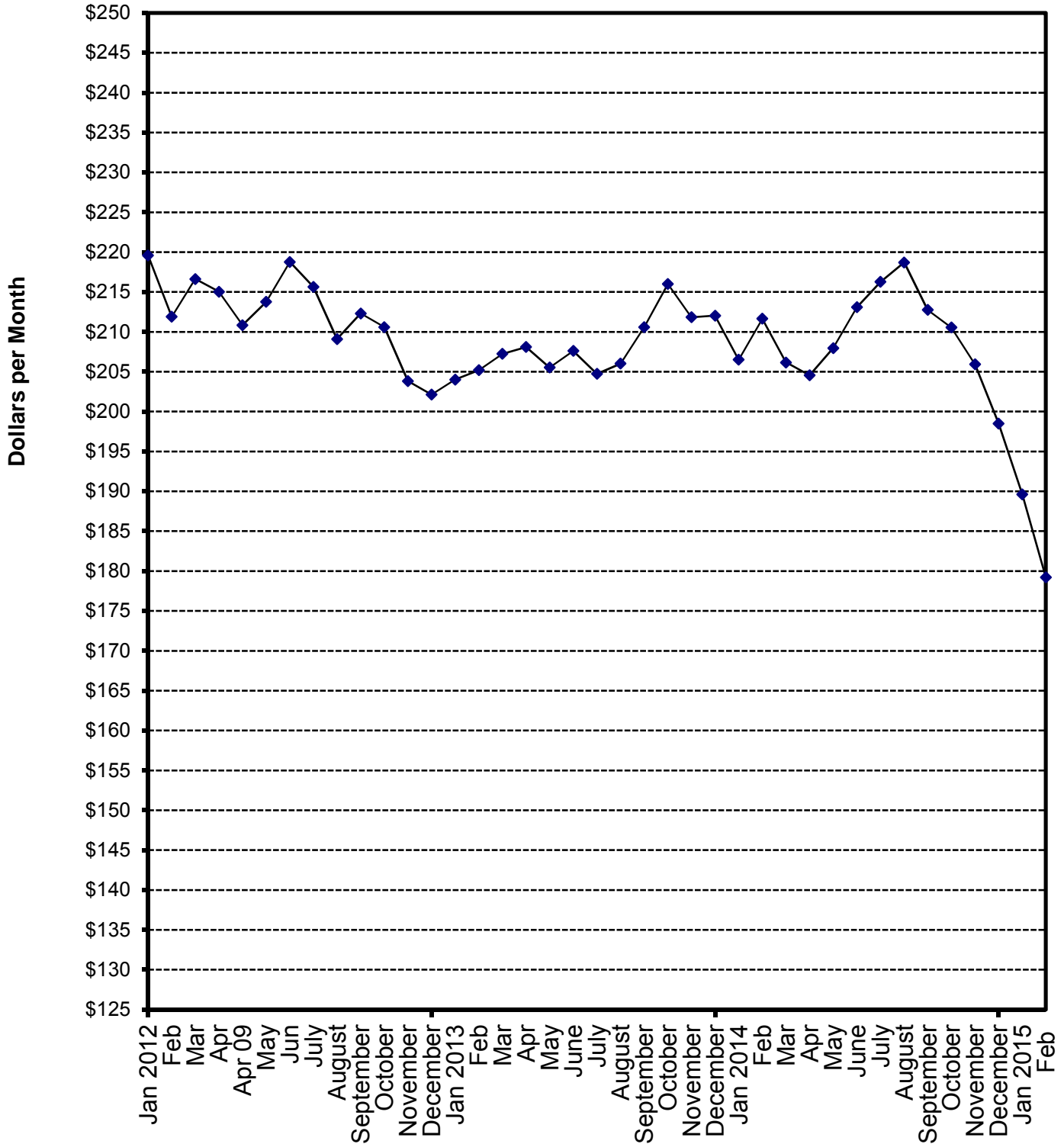
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2014 Cumulative Reconciliation Balance

Month	(1) YTD FOA Reconciliation	Qtr	(2) FOA Rec Adjust Variance	(3) FOA Rec Less Variance	(4) Try to Collect	(5) Actual Collect	(6) Month-end Cumulative Balance
November	658,232	[3]	5,605	652,627	(219,411)	(215,351)	480,236
December 13					(219,411)	(214,419)	265,817
January 14					(219,411)	(203,076)	62,741
February	86,950	[4]	11,004	75,946	(28,983)	(28,792)	109,895
March					(28,983)	(28,430)	81,465
April					(28,983)	(29,197)	52,268
May	(1,229,000)	[1]	17,079	(1,246,079)	409,667	406,595	(787,216)
June					409,667	406,007	(381,209)
July					409,667	417,509	36,300
August	(362,000)	[2]	(6,946)	(355,054)	120,667	119,561	(199,193)
September					120,667	122,001	(77,192)
October					120,667	124,134	46,942
November	(373,000)	[3]	8,070	(381,070)	124,333	125,960	(208,168)
December					124,333	124,559	(83,609)
January 15					124,333		
February	534,600	[4]			(178,200)		

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



**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
<b>2/1/2015-2/28/2015</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.2273 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		
	1-01-15	2-01-15	1-01-15	2-01-15	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 2.4245	2.2273	\$12.12	\$11.14	-\$0.98
<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 0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Adjustment</b>	¢/kwh 2.3690	0.4850	\$11.85	\$2.43	-\$9.42
<b>Green Infrastructure Fee</b>	\$ 1.2900	1.2900	\$1.29	\$1.29	\$0.00
<b>Avg Residential Bill at 500 kwh</b>			\$189.62	\$179.22	
			Increase (Decrease -)		-\$10.40
			% Change		-5.48%

	Rate		Charge (\$) at 600 Kwh		
	1-01-15	2-01-15	1-01-15	2-01-15	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 2.4245	2.2273	\$14.55	\$13.36	-\$1.19
<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 0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Adjustment</b>	¢/kwh 2.3690	0.4850	\$14.21	\$2.91	-\$11.30
<b>Green Infrastructure Fee</b>	\$ 1.2900	1.2900	\$1.29	\$1.29	\$0.00
<b>Avg Residential Bill at 600 kwh</b>			\$227.20	\$214.71	
			Increase (Decrease -)		-\$12.49
			% Change		-5.50%