

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

May 27, 2015

The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
Kekuanaoa Building, First Floor
465 South King Street
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Adjustment Factor for June 2015

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") energy cost adjustment factor for June 2015 is -0.579 cents per kilowatt-hour ("kWh"), a decrease of 0.159 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will realize a decrease of \$0.80 for the decrease in the energy cost adjustment factor.

Since the Company's Revenue Balancing Account rate adjustment proposal with an effective date of June 1, 2015 in Transmittal No. 15-04 is pending review by the Commission, the Company will file revised versions of Attachments 1, 8, 9A, 9B, and 10 reflecting the impact of the Commission's decision on Transmittal No. 15-04, once such decision is made.

Hawai'i Electric Light's fuel composite cost of generation decreased 73.11 cents per million BTU to 1,174.56 cents per million BTU. The composite cost of distributed generation decreased 1.896 cents per kWh to 16.675 cents per kWh. The composite cost of purchased energy increased 0.013 cents per kWh to 12.796 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 June 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>5-01-15</u>	<u>6-01-15</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,247.67	1,174.56	(73.110)
Dispersed Generation Energy, ¢/kWh	18.571	16.675	(1.896)
Purchased Energy, ¢/kWh	12.783	12.796	0.013
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(0.420)	(0.579)	(0.159)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(0.420)	(0.579)	(0.159)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$175.10	TBD	TBD
600 KWH Consumption - \$/Bill	\$209.79	TBD	TBD

TBD- To Be Determined

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

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

Line		
1	Effective Date	June 1, 2015
2	Supercedes Factors of	May 1, 2015

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		915.34			
5	Puna Industrial		975.11			
6	Keahole Diesel		1,482.14			
6a	Keahole ULSD		1,753.07			
7	Waimea ULSD Diesel		1,743.51			
8	Hilo Diesel		1,451.72			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,718.44			
9	Puna Diesel		1,457.30			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		31.670			
14	Puna Industrial		0.000			
15	Keahole Diesel		55.776			
15a	Keahole ULSD		0.133			
16	Waimea ULSD Diesel		0.100			
17	Hilo Diesel		0.000			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.033			
18	Puna Diesel		3.661			
19	Wind		0.000			
20	Hydro		8.627			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,174.56			
22	% Input to System kWh Mix		25.728			
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	33.718	0.005108		
24	Diesel	0.010424	57.655	0.006010		
25	Other	0.012621	8.627	0.001089		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0122070		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))				3.68884	
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)				(3.42911)	
33	Revenue Tax Req Multiplier				1.0975	
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))				(3.76345)	
				DG ENERGY COMPONENT		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	16.675
				36	% Input to System kWh Mix	0.047
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.00784
				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)	(0.00158)
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	(0.00185)
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(3.76345)
				46	DG (line 44)	(0.00185)
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(3.76530)

¹ Hilo ULSD same location as Kanoelehua ULSD

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

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

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		13.507
49	PGV	On Peak	11.017
50	PGV	Off Peak	10.074
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	11.017
56	Wailuku Hydro	Off Peak	10.074
57	Hawi Renewable Dev.	On Peak	11.017
58	Hawi Renewable Dev.	Off Peak	10.074
59	Tawhiri (Pakini Nui)	On Peak	18.990
60	Tawhiri (Pakini Nui)	Off Peak	15.260
61			
62	Small Hydro (>100 KW)	On Peak	11.017
63	Small Hydro (>100 KW)	Off Peak	10.074
64	Sch Q Hydro (<100 KW)		10.310
65	FIT		18.900
	PURCHASED ENERGY KWH MIX, %		
66	HEP		40.796
67	PGV	On Peak	10.102
68	PGV	Off Peak	9.060
69	PGV - Addt'l	On Peak	7.016
70	PGV - Addt'l	Off Peak	2.033
71	PGV - Add'l 8 MW	On Peak	3.508
72	PGV - Add'l 8 MW	Off Peak	3.979
73	Wailuku Hydro	On Peak	1.473
74	Wailuku Hydro	Off Peak	1.040
75	Hawi Renewable Dev.	On Peak	3.968
76	Hawi Renewable Dev.	Off Peak	1.723
77	Tawhiri (Pakini Nui)	On Peak	9.278
78	Tawhiri (Pakini Nui)	Off Peak	5.413
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)		0.137
83	FIT		0.474
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		12.796
85	% Input to System kWh Mix		74.225
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		9.49783
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))		2.30269
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		2.69652

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	(1.06878)
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	0.490
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	(0.579)

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

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	57.6666	57.6666
Land Transportation Cost - \$/BBL	--	3.7655
Industrial Costs For Filing - \$/BBL	57.6666	61.4321
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	915.34	975.11

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	83.9696	83.9696	83.9696
Land Transportation Cost - \$/BBL	2.8840	1.4282	1.1014
Diesel Costs For Filing - \$/BBL	86.8536	85.3978	85.0710
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,482.14	1,457.30	1,451.72

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	97.3570	97.3570	97.3570	97.3570
Land Transportation Cost - \$/BBL	3.0937	2.5461	1.1098	-
ULSD Costs For Filing - \$/BBL	100.4507	99.9031	98.4668	97.3570
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,753.07	1,743.51	1,718.44	1,699.07

Dispersed Generation, cents per kWh

DIESEL FUEL COSTS:

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	73.6475
\$/BBI Inv Cost:	97.3570
Fuel \$ (Prod Sim Consumption x Unit Cost)	7,170.10
Net kWh (from Prod Sim)	43,000
cents/kWh:	16.675

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 04/30/2015	2,622	129,191.49	2,903.41			
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	(70)	0.00	(92.40)			
Actual	70	0.00	0.00			
Consumed: Estimate	74	4,514.11	103.62			
Actual	(54)	23,107.70	7,033.72			
Balance Per G/L 04/30/2015	<u>2,642</u>	<u>156,813.30</u>	<u>9,948.35</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0	0	0.00			
Consumed	0	<u>0.00</u>	0.00	59.4033	1.1073	60.5106
Balance @ 05/31/2015	<u>2,642</u>	<u>156,813.30</u>	<u>9,948.35</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>2,642</u>	<u>156,813.30</u>	<u>9,948.35</u>		<u>3.7655</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(156,813.30)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	152,355.16	XXXXXXXXXXXX			
Total @ 05/31/2015 Avg Price	<u>2,642</u>	<u>152,355.16</u>	<u>9,948.35</u>			

Weighted Avg Cost/BBL by Location

59.3540

3.7655

Weighted Avg Cost/BBL @ Avg Cost

57.6666

3.7655

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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 04/30/2015	38,464.9	1,615,525.0	3,328,217.0	129,426.2			
Less: Est'd Inventory Addition	(14,462.5)	(607,427.0)	(1,267,141.9)	(40,505.4)			
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	(36,462.0)	(1,531,402.0)	(3,122,455.6)	(105,750.6)			
Actual	41,047.1	1,723,979.0	3,554,037.3	118,712.52			
Consumed: Estimate	35,509.9	1,491,414.0	2,983,921.5	56,293.21			
Actual	(34,150.1)	(1,434,305.0)	(2,888,593.7)	(64,300.9)	84.5852		
Balance Per G/L 04/30/2015	29,947.2	1,257,784	2,587,984.63	93,875.02	86.4181		
Purchases	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	52,888.5	2,221,318.0	4,412,192.0	153,392.6	83.4244		
Consumed	(34,021.2)	(1,428,892.0)	(2,915,739.2)	(106,486.48)	85.7035	3.1300	88.8335
Balance @ 05/31/2015	48,814.5	2,050,210	4,084,437.40	140,781.13	83.6726		
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	48,814.5	2,050,210	4,084,437.40	140,781.13	83.6726		
Reverse Fuel Balance	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	(4,084,437.4)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	4,098,937.1	xxxxxxxxxxxxxxx			
Total @ 05/31/2015 Avg Price	48,814.5	2,050,210	4,098,937.05	140,781.13	83.9696		

Weighted Avg Cost/BBL by Location 83.6726 2.8840

Weighted Avg Cost/BBL @ Avg Cost 83.9696 2.8840

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 04/30/2015	3,360.7	141,151.0	246,132.2	4,874.2			
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	(2,774.4)	(116,525.0)	(244,672.2)	(3,137.9)			
Actual	2,774.4	116,525.0	249,720.8	3,197.8			
Consumed: Estimate	1,622.3	68,135.0	136,320.0	2,608.6			
Actual	(1,189.7)	(49,966.0)	(59,688.0)	(2,123.9)			
Balance Per G/L 04/30/2015	3,793.3	159,320	327,812.81	5,418.81			
Purchases		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	(0.7)	(29.0)	0.0	(0.8)	0.0000		
Consumed	(67.6)	(2,840)	(5,795.19)	(98.07)	85.7035	1.4503	87.1538
Balance @ 05/31/2015	3,725.0	156,451	322,017.62	5,319.96	86.4471		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 05/31/2015	3,725.0	156,451	322,017.62	5,319.96	86.4471		
Reverse Fuel Balance		xxxxxxxxxxxx	(322,017.62)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxx	312,788.84	xxxxxxxxxxxx			
Total @ 05/31/2015 Avg Price	3,725.0	156,451	312,788.84	5,319.96	83.9696		

Weighted Avg Cost/BBL by Location 86.4471 1.4282

Weighted Avg Cost/BBL @ Avg Cost 83.9696 1.4282

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 04/30/2015	1711.2	71,872	164,324	2,053			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	0.9	38.0	0.0	0.9			
Actual	-0.9	-38.0	0.0	0.0			
Consumed: Estimate	19.8	832.0	1664.6	22.7			
Actual	-15.4	-646.0	-17723.6	-185.1			
Balance Per G/L 04/30/2015	1715.7	72,058	148,264.72	1,891.16	86.4181		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0.0	0.0	0.0	0.0	0.0000		
Consumed	-16.4	-688.0	-1403.9	-19.6	85.7035	1.1995	86.9030
Balance @ 05/31/2015	1,699.3	71,370	146,860.82	1,871.51	86.4250		
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	1,699.3	71,370	146,860.82	1,871.51	86.4250		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -146,860.82	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 142,688.38	XXXXXXXXXXXX			
Total @ 05/31/2015 Avg Price	1,699.3	71,370	142,688.38	1,871.51	83.9696		

Weighted Avg Cost/BBL by Location

86.4250 1.1014

Weighted Avg Cost/BBL @ Avg Cost

83.9696 1.1014

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

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 04/30/2015	2,048.5	86,036	207,487.53	3,687.56			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(378.9)	(15,913)	(32,332.03)	(1,098.87)			
Actual	377.4	15,851	32,206.06	0.00			
Transfers out: Estimate		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate		(161)	0.00	(8.86)			
Actual		178	0.00	1,094.59			
Consumed: Estimate	287.1	12,059	29,741.39	481.74			
Actual	(249.6)	(10,485)	(25,859.40)	2,379.28	103.5856		
Balance Per G/L 04/30/2015	2,084.9	87,565	211,243.55	6,535.44	101.3216		
Purchases	188.7	7,926	15,327.30	547.33	0.0000		
Estimated Purchases	190.0	7,980	15,431.73	551.06			
Transfer in	3.8	160	0.00	11.05	0.00		
Consumed	(315.0)	(13,231)	(32,172.00)	(986.02)	102.1256	3.1300	105.2556
Balance @ 05/31/2015	2,152.4	90,400	209,830.58	6,658.85	97.4877		
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	2,152.4	90,400	209,830.58	6,658.85	97.4877		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxx	(209,830.58)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxx	209,549.34	xxxxxxxxxxx			
Total @ 05/31/2015 Avg Price	2,152.4	90,400	209,549.34	6,658.85	97.3570		

Weighted Avg Cost/BBL by Location

97.4877 3.0937

Weighted Avg Cost/BBL @ Avg Cost

97.3570 3.0937

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 04/30/2015	1,343.4	56,424.0	137,258.5	3,538.65			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,921)	(16,093.90)	(455.68)			
Actual		7,921.0	16,093.9	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	2.4	99	0.00	0.00			
Actual	6.5	275	0.00	455.68			
Consumed: Estimate	119.1	5,002	12,336.55	313.82			
Actual	(135.4)	(5,687)	(14,025.98)	(365.75)			
Balance Per G/L 04/30/2015	1,336.0	56,113	135,569.04	3,486.72	101.4720		
ULSD Purchases	377.6	15,859	30,668.14	912.35	81.2196		
Estimated Purchases	190.0	7,980	15,431.73	459.08			
Transfer in	xxxxxxxxxxxx	(304)	0.00	0.00	#DIV/0!		
Consumed	(338.5)	(14,217)	(34,569.52)	(891.61)	102.1256	2.6340	104.7596
Balance @ 05/31/2015	1,557.9	65,431	147,099.39	3,966.53	94.4227		
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	1,557.9	65,431	147,099.39	3,966.53	94.4227		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(147,099.39)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	151,670.61	xxxxxxxxxxxx			
Total @ 05/31/2015 Avg Price	1,557.9	65,431	151,670.61	3,966.53	97.3570		

Weighted Avg Cost/BBL by Location

94.4227 2.5461

Weighted Avg Cost/BBL @ Avg Cost

97.3570 2.5461

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 04/30/2015	82.3	3,455	9,111.24	
Less: Est'd Inven Addition	0.0	XXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	11.8	494	1,003.71	
Consumed: Estimate	4.8	200	493.26	
Actual	(6.1)	(257)	(633.85)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 04/30/2015	92.67	3,892	9,974.36	107.6370
Purchases	14.2	595	1,150.62	81.2202
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(8.1)	(339)	(824.30)	102.1256
Balance @ 05/31/2015	98.8	4,148	10,300.68	104.2981
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 05/31/2015	98.8	4,148	10,300.68	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(10,300.68)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	9,615.16	xxxx
Total @ 05/31/2015 Avg Price	98.8	4,148	9,615.16	97.3570

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

TYPE OF OIL BURNED

INDUSTRIAL *	<u>Hill Industrial</u>		<u>Puna Industrial</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	50.08	3.1545	50.08	3.1545
Ocean Transportation	59.22	3.7306	59.22	3.7306
Storage	17.20	1.0833	17.20	1.0833
Wharfage	3.65	0.2300	3.65	0.2300

DIESEL *	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	85.57	5.1987	88.72	5.1987
Ocean Transportation	63.66	3.7306	63.66	3.7306
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 ¹	85.57	5.1987	85.57	5.1987
Ocean Transportation	63.66	3.7306	63.66	3.7306
Storage	18.49	1.0833	18.49	1.0833
Wharfage	3.92	0.2300	3.92	0.2300

ULSD **	<u>ULSD</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	33.71	1.9320
Ocean Transportation	0.00	0.0000
Storage	0.00	0.0000
Wharfage	0.00	0.0000

¹ Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST Tax and Environmental Response Tax.

Note: Since the components above are not accounted for separately in inventory, contract prices for the current month are being provided. Contract prices are considered accurate pending actual delivery of fuel.

* Land Transportation Costs are shown in Attachment 3, Sheet 1.

** ULSD includes Waimea, Kanoelehua, and Keahole.

Reference: Decision and Order No. 16134, Docket No. 96-0040.

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR June 1, 2015

		<u>June 1, 2015</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	11.017	6.560
PGV (22 MW)	- off peak	10.074	5.430
WAILUKU HYDRO	- on peak	11.017	7.240
	.	10.074	5.970
Other: (<100 KW)	Sch Q Rate	10.31	
		<u>June 1, 2015</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		13.507	
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
June 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 (June 1, 2015)	83,564 mwh
6	Adjustment (Line 4 / Line 5)	0.490 ¢/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		
June					372,933		
July					372,933		
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**

TO BE DETERMINED

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

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>RESIDENTIAL BILL (\$)</u> <u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2012	9.690	214.24	256.34
January 3, 2012	10.759	219.59	262.75
February 1, 2012	9.220	211.89	253.52
March 1, 2012	10.165	216.62	259.19
April 1, 2012	10.031	215.03	257.28
April 9, 2012	8.553	210.84	252.91
May 1, 2012	8.749	213.77	256.42
June 1, 2012	9.747	218.76	262.41
July 1, 2012	9.320	215.64	258.68
August 1, 2012	7.991	209.09	250.82
September 1, 2012	8.636	212.31	254.69
October 1, 2012	8.294	210.60	252.63
November 1, 2012	6.967	203.82	244.49
December 1, 2012	6.629	202.13	242.46
January 1, 2013	6.897	204.02	244.72
February 1, 2013	7.250	205.19	246.14
March 1, 2013	7.659	207.24	248.59
April 1, 2013	8.128	208.10	249.63
May 1, 2013	7.378	205.53	246.54
June 1, 2013	7.159	207.61	249.02
July 1, 2013	6.537	204.73	245.57
August 1, 2013	6.470	206.02	247.13
September 1, 2013	7.377	210.60	252.62
October 1, 2013	8.458	216.00	259.11
November 1, 2013	7.878	211.84	254.11
December 1, 2013	7.910	212.03	254.35
January 1, 2014	6.796	206.51	247.73
February 1, 2014	7.754	211.65	253.89
March 1, 2014	6.650	206.15	247.28
April 1, 2014	6.679	204.55	245.36
May 1, 2014	7.005	207.96	249.46
June 1, 2014	7.247	213.09	255.62
July 1, 2014	7.697	216.27	259.42
August 1, 2014	8.086	218.71	262.36
September 1, 2014	6.885	212.75	255.20
October 1, 2014	6.447	210.55	252.56
November 1, 2014	5.634	205.93	247.03
December 1, 2014	4.143	198.49	237.84
January 1, 2015	2.369	189.62	227.20
February 1, 2015	0.485	179.22	214.71
March 1, 2015	-0.519	174.32	208.85
April 1, 2015	-0.990	170.37	204.10
May 1, 2015	-0.420	175.10	209.79
June 1, 2015	-0.579	TBD	TBD

TBD- To Be Determined

**HAWAII ELECTRIC LIGHT COMPANY, INC.
RESIDENTIAL SURCHARGE DATA**

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
01/01/12 - 12/31/12	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.6766 CENTS/KWH
01/01/12 - 04/08/12	INTERIM RATE INCREASE 2010 TEST YEAR	1.74 PERCENT ON BASE
04/01/12 - 04/08/12	FIRM CAPACITY SURCHARGE	0.6427 PERCENT ON BASE
04/01/12 - 04/30/12	SOLARSAVER ADJUSTMENT	-0.3899 CENTS/KWH
04/09/12	FINAL RATE INCREASE (1.28%), DOCKET NO. 2009-0164 (2010 TEST YEAR)	
04/09/12 - 7/31/2012	PURCHASED POWER ADJUSTMENT CLAUSE	2.4355 CENTS/KWH
05/01/12	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/18/12 - 5/31/2013	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	-0.1952 CENTS/KWH
8/1/2012 - 10/31/2012	PURCHASED POWER ADJUSTMENT CLAUSE	2.4540 CENTS/KWH
11/1/2012	PURCHASED POWER ADJUSTMENT CLAUSE	2.4237 CENTS/KWH
01/01/13	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7850 CENTS/KWH
02/01/13	PURCHASED POWER ADJUSTMENT CLAUSE	2.3063 CENTS/KWH
04/01/13 - 04/30/13	SOLARSAVER ADJUSTMENT	-0.2964 CENTS/KWH
05/01/13 - 03/31/14	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/13- 07/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.2452 CENTS/KWH
6/1/2013	RBA RATE ADJUSTMENT	0.4383 CENTS/KWH
7/1/2013	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.8312 CENTS/KWH
8/1/2013-8/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.5712 CENTS/KWH
9/1/2013-9/30/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.5832 CENTS/KWH
10/1/2013-10/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.5802 CENTS/KWH
11/1/2013-11/30/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.3272 CENTS/KWH
12/1/2013-12/31/2013	PURCHASED POWER ADJUSTMENT CLAUSE	2.3347 CENTS/KWH
1/1/2014-1/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.3444 CENTS/KWH
2/1/2014-2/28/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4149 CENTS/KWH
3/1/2014-3/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4170 CENTS/KWH
4/1/2014-4/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4162 CENTS/KWH
4/1/2014-4/30/2014	SOLARSAVER ADJUSTMENT	-0.3486 CENTS/KWH
5/1/2014-5/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4248 CENTS/KWH
5/1/2014-5/31/2014	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2014-6/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4244 CENTS/KWH
6/1/2014	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	GREEN INFRASTRUCTURE FEE	1.2900 DOLLARS/MONTH
1/1/2015-1/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.4245 CENTS/KWH
2/1/2015-2/28/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2273 CENTS/KWH
3/1/2015-3/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2539 CENTS/KWH
4/1/2015-4/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2424 CENTS/KWH
4/1/2015-4/30/2015	SOLARSAVER ADJUSTMENT	-0.3084 CENTS/KWH
5/1/2015-5/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3109 CENTS/KWH
5/1/2015	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2015-6/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3064 CENTS/KWH
6/1/2015	RBA RATE ADJUSTMENT	TBD

TBD- To Be Determined

* 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			
	5-01-15	6-01-15	5-01-15	6-01-15	Difference	
Base Rates	effective date:	4/9/2012	4/9/2012			
Base Fuel Energy Charge	¢/kwh	16.2487	16.2487	\$81.24	\$81.24	\$0.00
Non-fuel Fuel Energy Charge	¢/kwh			\$62.72	\$62.72	\$0.00
First 300 kWh per month	¢/kwh	11.2019	11.2019	\$33.61	\$33.61	
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
Total Base Charges				\$154.46	\$154.46	\$0.00
RBA Rate Adjustment	¢/kwh	1.2225	TBD	\$6.11	TBD	TBD
Purchased Power Adj. Clause	¢/kwh	2.3109	2.3064	\$11.55	\$11.53	-\$0.02
PBF Surcharge	¢/kwh	0.7583	0.7583	\$3.79	\$3.79	\$0.00
DSM Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Adjustment	¢/kwh	(0.4200)	(0.5790)	-\$2.10	-\$2.90	-\$0.80
Green Infrastructure Fee	\$	1.2900	1.2900	\$1.29	\$1.29	\$0.00
Avg Residential Bill at 500 kwh				\$175.10	TBD	
				Increase (Decrease -)		TBD
				% Change		TBD

	Rate		Charge (\$) at 600 Kwh			
	5-01-15	6-01-15	5-01-15	6-01-15	Difference	
Base Rates	effective date:	4/9/2012	4/9/2012			
Base Fuel/Energy Charge	¢/kwh	16.2487	16.2487	\$97.49	\$97.49	\$0.00
Non-fuel Fuel Energy Charge	¢/kwh			\$77.27	\$77.27	\$0.00
First 300 kWh per month	¢/kwh	11.2019	11.2019	\$33.61	\$33.61	
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
Total Base Charges				\$185.26	\$185.26	\$0.00
RBA Rate Adjustment	¢/kwh	1.2225	TBD	\$7.34	TBD	TBD
Purchased Power Adj. Clause	¢/kwh	2.3109	2.3064	\$13.87	\$13.84	-\$0.03
PBF Surcharge	¢/kwh	0.7583	0.7583	\$4.55	\$4.55	\$0.00
DSM Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Adjustment	¢/kwh	(0.4200)	(0.5790)	-\$2.52	-\$3.47	-\$0.95
Green Infrastructure Fee	\$	1.2900	1.2900	\$1.29	\$1.29	\$0.00
Avg Residential Bill at 600 kwh				\$209.79	TBD	
				Increase (Decrease -)		TBD
				% Change		TBD