



JAY IGNACIO, P. E.
President

March 29, 2016

PUBLIC UTILITIES
COMMISSION

2016 MAR 29 PM 3:37

FILED

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 April 2016

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost adjustment factor for April 2016 is -4.715 cents per kilowatt-hour ("kWh"), a decrease of 0.404 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$150.76, a decrease of \$3.50 compared to the rates effective March 1, 2016. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$2.02), the decrease in the Purchased Power Adjustment Clause rate (-\$0.09), and the credit for the SolarSaver Adjustment (-\$1.39).

Hawai'i Electric Light's fuel composite cost of generation decreased 76.00 cents per million BTU to 706.19 cents per million BTU. The composite cost of distributed generation decreased 2.065 cents per kWh to 11.020 cents per kWh. The composite cost of purchased energy decreased 0.094 cents per kWh to 10.908 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 April 1, 2016.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>3/01/16</u>	<u>4/01/16</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	782.19	706.19	(76.00)
Dispersed Generation Energy, ¢/kWh	13.085	11.020	(2.065)
Purchased Energy, ¢/kWh	11.002	10.908	(0.094)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(4.311)	(4.715)	(0.404)
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(4.311)	(4.715)	(0.404)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$154.26	\$150.76	(\$3.50)
600 KWH Consumption - \$/Bill	\$184.76	\$180.57	(\$4.19)

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

ENERGY COST ADJUSTMENT (ECA) FILING - April 1, 2016 (Page 1 of 2)

Line		
1	Effective Date	April 1, 2016
2	Supercedes Factors of	March 1, 2016

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		467.20			
5	Puna Industrial		497.08			
6	Keahole Diesel		990.56			
6a	Keahole ULSD		1,287.91			
7	Waimea ULSD Diesel		1,281.38			
8	Hilo Diesel		959.47			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,256.00			
9	Puna Diesel		964.48			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		42.963			
14	Puna Industrial		0.000			
15	Keahole Diesel		49.952			
15a	Keahole ULSD		0.376			
16	Waimea ULSD Diesel		0.251			
17	Hilo Diesel		0.075			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.150			
18	Puna Diesel		0.000			
19	Wind		0.000			
20	Hydro		6.233			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		706.19			
22	% Input to System kWh Mix		41.808			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of	Weighted		
	Fuel Type	Eff Factor	Centrl Stn +	Eff Factor		
		mmbtu/kwh	Wind/Hydro			
23	Industrial	0.015148	36.207	0.005485		
24	Diesel	0.010424	57.561	0.006000		
25	Other	0.012621	6.233	0.000787		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0122720		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			3.62323		
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)			(3.49472)		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			(3.83546)		
				DG ENERGY COMPONENT		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	11.020
				36	% Input to System kWh Mix	0.078
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.00860
				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)	(0.00082)
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	(0.00096)
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	(3.83546)
				46	DG (line 44)	(0.00096)
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	(3.83642)

¹ Hilo ULSD same location as Kanoelehua ULSD

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

ENERGY COST ADJUSTMENT (ECA) FILING - April 1, 2016 (Page 2 of 2)

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		11.016
49	PGV	On Peak	8.182
50	PGV	Off Peak	9.423
51	PGV - Add'l 5 MW	On Peak	12.480
52	PGV - Add'l 5 MW	Off Peak	12.480
53	PGV - Add'l 8 MW	On Peak	9.520
54	PGV - Add'l 8 MW	Off Peak	6.340
55	Wailuku Hydro	On Peak	8.182
56	Wailuku Hydro	Off Peak	9.423
57	Hawi Renewable Dev.	On Peak	8.182
58	Hawi Renewable Dev.	Off Peak	9.423
59	Tawhiri (Pakini Nui)	On Peak	16.700
60	Tawhiri (Pakini Nui)	Off Peak	13.750
61			
62	Small Hydro (>100 KW)	On Peak	8.182
63	Small Hydro (>100 KW)	Off Peak	9.423
64	Sch Q Hydro (<100 KW)		8.420
65	FIT		23.800
	PURCHASED ENERGY KWH MIX, %		
66	HEP		26.380
67	PGV	On Peak	20.089
68	PGV	Off Peak	12.446
69	PGV - Addt'l	On Peak	3.202
70	PGV - Addt'l	Off Peak	2.884
71	PGV - Add'l 8 MW	On Peak	0.792
72	PGV - Add'l 8 MW	Off Peak	3.411
73	Wailuku Hydro	On Peak	0.832
74	Wailuku Hydro	Off Peak	0.584
75	Hawi Renewable Dev.	On Peak	5.563
76	Hawi Renewable Dev.	Off Peak	3.173
77	Tawhiri (Pakini Nui)	On Peak	12.615
78	Tawhiri (Pakini Nui)	Off Peak	7.225
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)		0.227
83	FIT		0.577
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		10.908
85	% Input to System kWh Mix		58.114
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		6.33908
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))		(0.85606)
91	Loss Factor		1.067
92	Revenue Tax Req Multiplier		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		(1.00247)

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	
		(4.83889)
95	Not Used	
		0.000
96	Not Used	
		0.000
97	ECA Reconciliation Adjustment	
		0.124
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	
		(4.715)

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR April 1, 2016

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	29.4337	29.4337
Land Transportation Cost - \$/BBL	--	1.8825
Industrial Costs For Filing - \$/BBL	29.4337	31.3163
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	467.20	497.08

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	55.3694	55.3694	55.3694
Land Transportation Cost - \$/BBL	2.6774	1.1492	0.8556
Diesel Costs For Filing - \$/BBL	58.0469	56.5186	56.2250
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	990.56	964.48	959.47

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	71.1761	71.1761	71.1761	71.1761
Land Transportation Cost - \$/BBL	2.6212	2.2468	0.7928	-
ULSD Costs For Filing - \$/BBL	73.7973	73.4230	71.9689	71.1761
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,287.91	1,281.38	1,256.00	1,242.17

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	108.3770
\$/BBI Inv Cost:	71.1761
Fuel \$ (Prod Sim Consumption x Unit Cost)	7,713.85
Net kWh (from Prod Sim)	70,000
cents/kWh:	11.020

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 02/29/2016	0	0.00	30,830	745,453.08			
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	(55,495)	(1,714,844.32)			
Actual	0	0.00	56,448	1,768,562.69			
Consumed: Estimate	0	0.00	47,576	1,602,150.35			
Actual	0	0.00	(46,641)	(1,415,587.97)			
Balance Per G/L 02/29/2016	0	0.00	32,718	985,733.83			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	53,866	1,585,684.83			
Consumed	0	0.00	(42,213)	(1,271,801.71)	106.5901	0.0000	106.5901
Balance @ 03/31/2016	0	0.00	44,371	1,299,616.95			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 03/31/2016	0	0.00	44,371	1,299,616.95			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(1,299,616.95)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	1,306,002.94			
Total @ 9/30/2013 Avg Price	0	0.00	44,371	1,306,002.94			

Weighted Avg Cost/BBL by Location #DIV/0! 29.2898

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 29.4337

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 02/29/2016	8,321	410,432.33	15,705.71			
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	9	0.00	10.76			
Actual	18	0.00	0.00			
Consumed: Estimate	423	14,244.78	798.07			
Actual	(321)	(170,093.98)	(605.64)			
Balance Per G/L 02/29/2016	8,450	254,583.13	15,908.90			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	2	0	2.39			
Consumed	(3)	(90.38)	(5.65)	30.1282	1.8827	32.0109
Balance @ 03/31/2016	8,449	254,492.75	15,905.64			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	8,449	254,492.75	15,905.64		1.8825	
Reverse Fuel Balance	XXXXXXXXXXXX	(254,492.75)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	248,685.38	XXXXXXXXXXXX			
Total @ 04/01/2016 Avg Price	8,449	248,685.38	15,905.64			

Weighted Avg Cost/BBL by Location

30.1210

1.8825

Weighted Avg Cost/BBL @ Avg Cost

29.4337

1.8825

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 02/29/2016	45,351.9	1,904,779.0	2,830,422.6	124,745.1			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Transfers out: Estimate		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate	(37,569.6)	(1,577,924.0)	(2,219,150.7)	(100,416.1)			
Actual	37,725.1	1,584,454.0	2,211,330.3	99,337.09			
Consumed: Estimate	42,851.9	1,799,778.0	3,007,831.9	113,805.96			
Actual	(43,194.8)	(1,814,181.0)	(3,047,128.1)	(119,341.2)	70.5439		
Balance Per G/L 02/29/2016	45,164.4	1,896,906	2,783,305.99	118,130.89	61.6261		
Purchases	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfer in	43,257.2	1,816,802.0	2,407,950.5	115,617.8	55.6659		
Consumed	(48,414.8)	(2,033,421.0)	(2,983,602.7)	(126,632.52)	61.6259	2.6156	64.2414
Balance @ 03/31/2016	40,006.8	1,680,287	2,207,653.80	107,116.19	55.1819		
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	40,006.8	1,680,287	2,207,653.80	107,116.19	55.1819		
Reverse Fuel Balance	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	(2,207,653.8)	xxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx	2,215,156.0	xxxxxxxxxxxxxxx			
Total @ 04/01/2016 Avg Price	40,006.8	1,680,287	2,215,155.96	107,116.19	55.3694		

Weighted Avg Cost/BBL by Location 55.1819 2.6774

Weighted Avg Cost/BBL @ Avg Cost 55.3694 2.6774

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 02/29/2016	2,892.0	121,464.0	225,429.6	3,244.6			
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	132.5	5,566.0	10,463.6	158.5			
Actual	440.3	18,494.0	31,700.2	589.5			
Consumed: Estimate	1,603.4	67,341.0	112,541.9	1,809.2			
Actual	(1,216.3)	(51,086.0)	(142,759.0)	(1,372.5)			
Balance Per G/L 02/29/2016	3,851.9	161,779	237,376.26	4,429.30			
Purchases		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out		xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	(56.3)	(2,366.0)	(3,392.4)	(67.4)	60.2196		
Consumed	(197.0)	(8,273)	(12,138.83)	(226.50)	61.6259	1.1499	62.7758
Balance @ 03/31/2016	3,598.6	151,140	221,845.07	4,135.44	61.6481		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 03/31/2016	3,598.6	151,140	221,845.07	4,135.44	61.6481		
Reverse Fuel Balance		xxxxxxxxxxxxxxxx	(221,845.07)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price		xxxxxxxxxxxxxxxx	199,250.89	xxxxxxxxxxxx			
Total @ 04/01/2016 Avg Price	3,598.6	151,140	199,250.89	4,135.44	55.3694		

Weighted Avg Cost/BBL by Location 61.6481 1.1492

Weighted Avg Cost/BBL @ Avg Cost 55.3694 1.1492

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCL LT	BARREL LT	TOTAL
Balance at 02/29/2016	1450.2	60,909	95,791	925			
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	-188.2	-7904.0	0.0	-173.1			
Actual	187.1	7858.0	10545.4	173.1			
Consumed: Estimate	167.0	7014.0	11722.0	107.0			
Actual	-180.5	-7582.0	-29588.7	177.5			
Balance Per G/L 02/29/2016	1435.6	60,295	88,470.08	1,209.35	61.6261		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	187.2	7862.0	10256.7	172.2	0.0000		
Consumed	-520.1	-21846.0	-32054.2	-438.2	61.6259	0.8424	62.4683
Balance @ 03/31/2016	1,102.6	46,311	66,672.56	943.38	60.4661		
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	1,102.6	46,311	66,672.56	943.38	60.4661		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX	-66,672.56	XXXXXXXXXXXX		
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX	61,052.72	XXXXXXXXXXXX		
Total @ 04/01/2016 Avg Price	1,102.6	46,311	61,052.72	943.38	55.3694		

Weighted Avg Cost/BBL by Location

60.4661 0.8556

Weighted Avg Cost/BBL @ Avg Cost

55.3694 0.8556

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 02/29/2016	1,999.4	83,974	148,987.46	573.15			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(379.1)	(15,921)	(20,761.00)	(1,013.18)			
Actual	378.0	15,875	20,542.23	0.00			
Transfers out: Estimate		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxx	xxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate		(179)	0.00	(11.39)			
Actual		266	0.00	1,010.25			
Consumed: Estimate	417.1	17,519	32,929.25	358.93			
Actual	(346.9)	(14,568)	(31,048.28)	4,498.10	89.5132		
Balance Per G/L 02/29/2016	2,070.6	86,966	150,649.66	5,415.86	72.7559		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	9,850.52	507.83			
Transfer in	0.2	8	0.00	0.51	0.00		
Consumed	(318.9)	(13,395)	(23,202.82)	(834.19)	72.7524	2.6156	75.3680
Balance @ 03/31/2016	1,941.9	81,559	137,297.36	5,090.01	70.7033		
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	1,941.9	81,559	137,297.36	5,090.01	70.7033		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxx	(137,297.36)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxx	138,215.57	xxxxxxxxxxx			
Total @ 04/01/2016 Avg Price	1,941.9	81,559	138,215.57	5,090.01	71.1761		

Weighted Avg Cost/BBL by Location

70.7033 2.6212

Weighted Avg Cost/BBL @ Avg Cost

71.1761 2.6212

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 02/29/2016	1,311.1	55,067.0	79,253.0	2,964.70			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(23,848)	(31,097.80)	(1,264.34)			
Actual		23,781.0	30,851.6	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	0.2	8	0.00	0.00			
Actual	64.7	2,716	0.00	1,260.79			
Consumed: Estimate	558.3	23,450	44,077.35	1,240.17			
Actual	(503.8)	(21,160)	(19,122.96)	(1,136.98)			
Balance Per G/L 02/29/2016	1,428.9	60,014	103,961.18	3,064.34	72.7558		
ULSD Purchases	189.0	7,937	9,797.44	420.79	51.8448		
Estimated Purchases	190.0	7,980	9,850.52	423.07			
Transfer in	xxxxxxxxxxxx	(2,309)	0.00	0.00	#DIV/0!		
Consumed	(296.0)	(12,430)	(21,531.25)	(634.68)	72.7524	2.1445	74.8969
Balance @ 03/31/2016	1,457.0	61,192	102,077.89	3,273.52	70.0626		
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	1,457.0	61,192	102,077.89	3,273.52	70.0626		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(102,077.89)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	103,700.23	xxxxxxxxxxxx			
Total @ 04/01/2016 Avg Price	1,457.0	61,192	103,700.23	3,273.52	71.1761		

Weighted Avg Cost/BBL by Location

70.0626 2.2468

Weighted Avg Cost/BBL @ Avg Cost

71.1761 2.2468

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 02/29/2016	1,395.7	58,619.0	120,772.7	1,287.7		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	(190.0)	(7,980)	(13,556.42)	(174.78)		
Actual	188.9	7,932	10,263.91	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate		114	0.00	2.50		
Actual		(53)	0.00	346.80		
Consumed: Estimate	195.9	8,228	15,465.60	181.33		
Actual	(155.0)	(6,509)	(28,400.84)	(433.10)		
Balance Per G/L 02/29/2016	1,436.9	60,351	104,544.97	1,210.48		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	0	-	-	-		
Transfer in	(4)	(152)	0.00	(3.33)		
Consumed	(76.3)	(3,203)	(5,548.24)	(131.33)	72.7524	0.8424
Balance @ 03/31/2016	1,357.0	56,996	98,996.73	1,075.82		
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	1,357.0	56,996	98,996.73	1,075.82		
Reverse Fuel Balance	x	x	(98,996.73)	x		
Fuel Balance @ Avg Price	x	x	96,589.40	x		
Total @ 04/01/2016 Avg Price	1,357.0	56,996	96,589.40	1,075.82		

Weighted Avg Cost/BBL by Location 72.9501 0.7928

Weighted Avg Cost/BBL @ Avg Cost 71.1761 0.7928

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
March 2016

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 02/29/2016	60.0	2,518	4,893.98	
Less: Est'd Inven Addition	0.0	XXXXXXXXXXXXXXXXXXXX		
Purchases: Estimate	(31.9)	(1,340)	(1,747.36)	
Actual	55.5	2,333	3,042.23	
Consumed: Estimate	38.5	1,616	3,037.48	
Actual	(30.0)	(1,260)	(2,527.59)	
		XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
		XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
		XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
		XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
Balance Per G/L 02/29/2016	92.07	3,867	6,698.74	72.7559
Purchases	0.0	0	0.00	0.0000
Transfer out		XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
Transfer in		XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
Consumed	(7.8)	(326)	(564.70)	72.7524
Balance @ 03/31/2016	84.3	3,541	6,134.04	72.7562
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 03/31/2016	84.3	3,541	6,134.04	
Reverse Fuel Balance		XXXXXXXXXXXX	(6,134.04)	xxxx
Fuel Balance @ Avg Price		XXXXXXXXXXXX	6,000.83	xxxx
Total @ 04/01/2016 Avg Price	84.3	3,541	6,000.83	71.1761

HAWAII ELECTRIC LIGHT COMPANY, INC.
CONTRACT PRICES EFFECTIVE March 1, 2016

TYPE OF OIL BURNED

	<u>Hill Industrial</u>		<u>Puna Industrial</u>	
INDUSTRIAL *	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	33.11	2.0854	33.11	2.0854
Ocean Transportation	57.09	3.5966	57.09	3.5966
Storage	17.03	1.0729	17.03	1.0729
Wharfage	3.81	0.2400	3.81	0.2400
	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
DIESEL *	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	67.06	4.0491	69.10	4.0491
Ocean Transportation	61.38	3.5966	61.38	3.5966
Storage	18.31	1.0729	18.31	1.0729
Wharfage	4.10	0.2400	4.10	0.2400
	<u>Kona Diesel</u>		<u>CT3 Diesel</u>	
ULSD **	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	67.06	4.0491	67.06	4.0491
Ocean Transportation	61.38	3.5966	61.38	3.5966
Storage	18.31	1.0729	18.31	1.0729
Wharfage	4.10	0.2400	4.10	0.2400
	<u>ULSD</u>			
ULSD **	<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 April 1, 2016

		<u>April 1, 2016</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	8.182	6.560
PGV (22 MW)	- off peak	9.423	5.430
WAILUKU HYDRO	- on peak	8.182	7.240
	.	9.423	5.970
Other: (<100 KW)	Sch Q Rate	8.420	
		<u>April 1, 2016</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		11.016	
PGV Addtl 5 MW	- on peak	12.4800	0.0000
	- off peak	12.4800	0.0000
PGV Addtl 8 MW	- on peak	9.5200	0.0000
	- off peak	6.3400	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
April 1, 2016

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be returned or collected	\$282,600
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	\$94,200
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$103,386
5	Estimated MWh Sales (April 1, 2016)	83,198 mwh
6	Adjustment (Line 4 / Line 5)	0.124 ¢/kwh

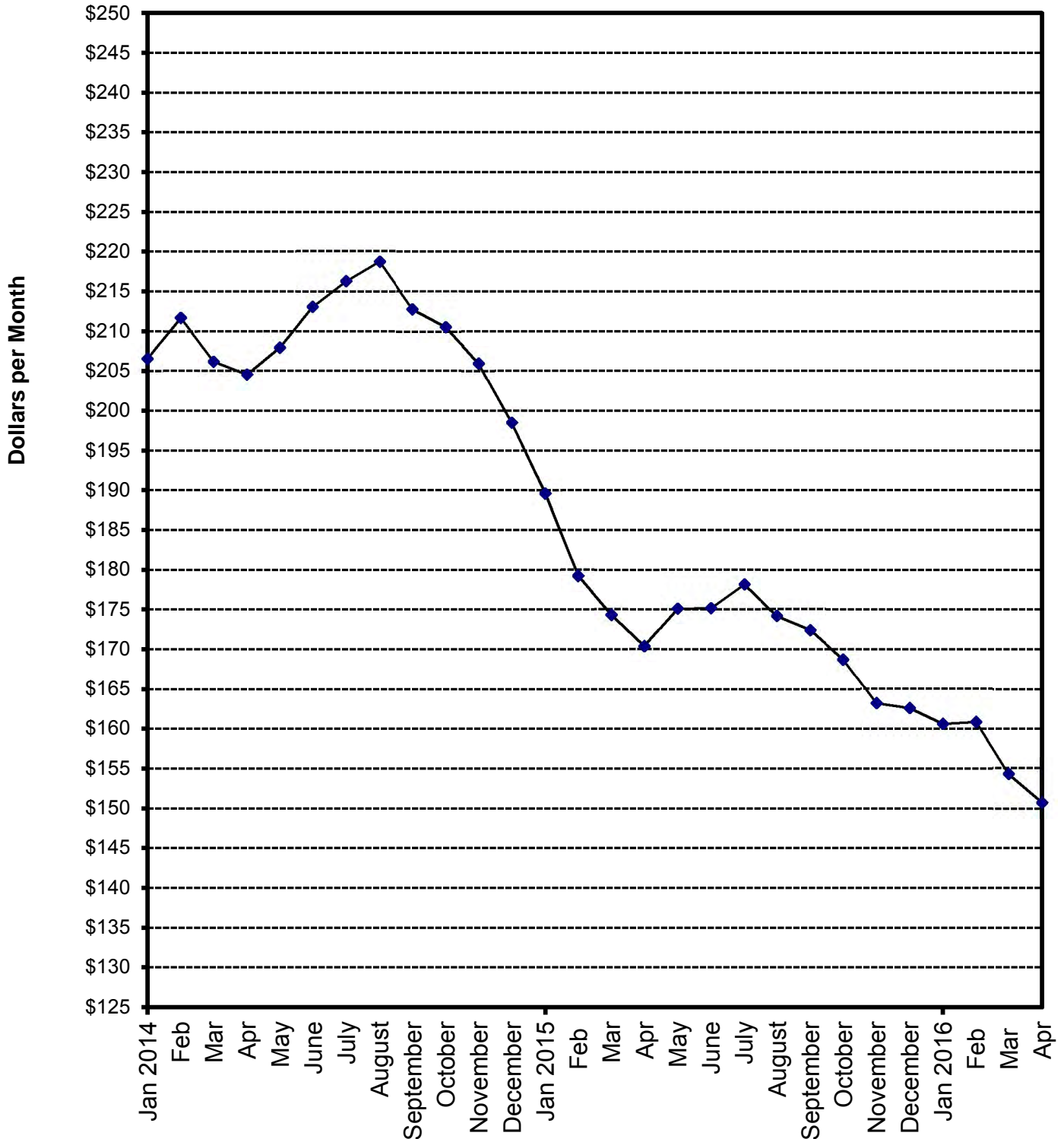
HAWAII ELECTRIC LIGHT COMPANY, INC.
2016 Cumulative Reconciliation Balance

<u>Month</u>	(1) <u>YTD FOA Reconciliation</u>	<u>Qtr</u>	(2) <u>FOA Rec Adjust Variance</u>	(3) <u>FOA Rec Less Variance</u>	(4) <u>Try to Collect</u>	(5) <u>Actual Collect</u>	(6) <u>Month-end Cumulative Balance</u>
November	(373,000)	[3]	8,070	(381,070)	124,333	125,960	(208,168)
December 14					124,333	124,559	(83,609)
January 15					124,333	117,173	33,564
February	534,600	[4]	5,320	529,280	(178,200)	(180,037)	382,807
March					(178,200)	(176,746)	206,061
April					(178,200)	(179,220)	26,841
May	(1,118,800)	[1]	(7,543)	(1,111,257)	372,933	373,805	(710,611)
June					372,933	385,321	(325,290)
July					372,933	400,805	75,515
August	(421,800)	[2]	12,240	(434,040)	140,600	148,649	(209,876)
September					140,600	149,054	(60,822)
October					140,600	142,611	81,789
November	791,200	[3]	44,375	746,825	(263,733)	(262,906)	565,708
December					(263,733)	(256,311)	309,397
January 16					(263,733)	(264,541)	44,856
February	(282,600)	[4]	10,260	(292,860)	94,200	95,382	(152,622)
March					94,200		
April					94,200		

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>	<u>FUEL FACTOR</u>		<u>RESIDENTIAL BILL (\$)</u>
	<u>CENTS / KWH</u>	<u>RESIDENTIAL & COMMERCIAL @ 500 KWH</u>	
January 1, 2012	9.690	214.24	256.34
January 3, 2012	10.759	219.59	262.75
February 1, 2012	9.220	211.89	253.52
March 1, 2012	10.165	216.62	259.19
April 1, 2012	10.031	215.03	257.28
April 9, 2012	8.553	210.84	252.91
May 1, 2012	8.749	213.77	256.42
June 1, 2012	9.747	218.76	262.41
July 1, 2012	9.320	215.64	258.68
August 1, 2012	7.991	209.09	250.82
September 1, 2012	8.636	212.31	254.69
October 1, 2012	8.294	210.60	252.63
November 1, 2012	6.967	203.82	244.49
December 1, 2012	6.629	202.13	242.46
January 1, 2013	6.897	204.02	244.72
February 1, 2013	7.250	205.19	246.14
March 1, 2013	7.659	207.24	248.59
April 1, 2013	8.128	208.10	249.63
May 1, 2013	7.378	205.53	246.54
June 1, 2013	7.159	207.61	249.02
July 1, 2013	6.537	204.73	245.57
August 1, 2013	6.470	206.02	247.13
September 1, 2013	7.377	210.60	252.62
October 1, 2013	8.458	216.00	259.11
November 1, 2013	7.878	211.84	254.11
December 1, 2013	7.910	212.03	254.35
January 1, 2014	6.796	206.51	247.73
February 1, 2014	7.754	211.65	253.89
March 1, 2014	6.650	206.15	247.28
April 1, 2014	6.679	204.55	245.36
May 1, 2014	7.005	207.96	249.46
June 1, 2014	7.247	213.09	255.62
July 1, 2014	7.697	216.27	259.42
August 1, 2014	8.086	218.71	262.36
September 1, 2014	6.885	212.75	255.20
October 1, 2014	6.447	210.55	252.56
November 1, 2014	5.634	205.93	247.03
December 1, 2014	4.143	198.49	237.84
January 1, 2015	2.369	189.62	227.20
February 1, 2015	0.485	179.22	214.71
March 1, 2015	-0.519	174.32	208.85
April 1, 2015	-0.990	170.37	204.10
May 1, 2015	-0.420	175.10	209.79
June 8, 2015	-0.579	175.16	209.85
July 1, 2015	0.264	178.14	213.38
August 1, 2015	-0.586	174.16	208.61
September 1, 2015	-0.927	172.43	206.54
October 1, 2015	-1.671	168.73	202.10
November 1, 2015	-2.727	163.20	195.47
December 1, 2015	-2.859	162.59	194.74
January 1, 2016	-3.223	160.63	192.41
February 1, 2016	-2.962	160.87	192.69
March 1, 2016	-4.311	154.26	184.76
April 1, 2016	-4.715	150.76	180.57

**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
6/1/2014-5/31/15	RBA RATE ADJUSTMENT	1.2225 CENTS/KWH
7/1/2014-7/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4252 CENTS/KWH
7/1/2014	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	1.0157 CENTS/KWH
8/1/2014-8/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.5250 CENTS/KWH
9/1/2014-9/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.5341 CENTS/KWH
10/1/2014-10/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.5314 CENTS/KWH
11/1/2014-11/30/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4226 CENTS/KWH
12/1/2014-12/31/2014	PURCHASED POWER ADJUSTMENT CLAUSE	2.4235 CENTS/KWH
12/1/2014	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7583 CENTS/KWH
12/1/2014-6/30/15	GREEN INFRASTRUCTURE FEE	1.2900 DOLLARS/MONTH
1/1/2015-1/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.4245 CENTS/KWH
2/1/2015-2/28/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2273 CENTS/KWH
3/1/2015-3/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2539 CENTS/KWH
4/1/2015-4/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.2424 CENTS/KWH
4/1/2015-4/30/2015	SOLARSAVER ADJUSTMENT	-0.3084 CENTS/KWH
5/1/2015-5/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3109 CENTS/KWH
5/1/2015	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2015-6/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3064 CENTS/KWH
6/1/2015-6/7/2015	RBA RATE ADJUSTMENT	0.0000 CENTS/KWH
6/8/2015	RBA RATE ADJUSTMENT	1.3971 CENTS/KWH
7/1/2015-7/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3157 CENTS/KWH
7/1/2015	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4749 CENTS/KWH
7/1/2015-12/31/2015	GREEN INFRASTRUCTURE FEE	1.4200 DOLLARS/MONTH
8/1/2015-8/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3703 CENTS/KWH
9/1/2015-9/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3651 CENTS/KWH
10/1/2015-10/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3699 CENTS/KWH
11/1/2015-11/30/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3204 CENTS/KWH
12/1/2015-12/31/2015	PURCHASED POWER ADJUSTMENT CLAUSE	2.3299 CENTS/KWH
1/1/2016-1/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	2.3260 CENTS/KWH
1/1/2016	GREEN INFRASTRUCTURE FEE	1.3000 DOLLARS/MONTH
2/1/2016 - 2/29/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1114 CENTS/KWH
3/1/2016 - 3/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1401 CENTS/KWH
4/1/2016 - 4/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1228 CENTS/KWH
4/1/2016 - 4/30/16	SOLARSAVER ADJUSTMENT	-0.2779 CENTS/KWH

**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		
	3/01/16	4/01/16	3/01/16	4/01/16	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	\$0.00
Next 700 kWh per month	¢/kwh 14.5537	14.5537	\$29.11	\$29.11	\$0.00
Customer Charge	\$ 10.50	10.50	\$10.50	\$10.50	\$0.00
Total Base Charges			\$154.46	\$154.46	\$0.00
RBA Rate Adjustment	¢/kwh 1.3971	1.3971	\$6.99	\$6.99	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.1401	2.1228	\$10.70	\$10.61	-\$0.09
PBF Surcharge	¢/kwh 0.4749	0.4749	\$2.37	\$2.37	\$0.00
DSM Adjustment	¢/kwh 0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh 0.0000	(0.2779)	\$0.00	-\$1.39	-\$1.39
Energy Cost Adjustment	¢/kwh (4.3110)	(4.7150)	-\$21.56	-\$23.58	-\$2.02
Green Infrastructure Fee	\$ 1.3000	1.3000	\$1.30	\$1.30	\$0.00
Avg Residential Bill at 500 kwh			\$154.26	\$150.76	
			Increase (Decrease -)		-\$3.50
			% Change		-2.27%

	Rate		Charge (\$) at 600 Kwh		
	3/01/16	4/01/16	3/01/16	4/01/16	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	\$0.00
Next 700 kWh per month	¢/kwh 14.5537	14.5537	\$43.66	\$43.66	\$0.00
Customer Charge	\$ 10.50	10.50	\$10.50	\$10.50	\$0.00
Total Base Charges			\$185.26	\$185.26	\$0.00
RBA Rate Adjustment	¢/kwh 1.3971	1.3971	\$8.38	\$8.38	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.1401	2.1228	\$12.84	\$12.74	-\$0.10
PBF Surcharge	¢/kwh 0.4749	0.4749	\$2.85	\$2.85	\$0.00
DSM Adjustment	¢/kwh 0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh 0.0000	(0.2779)	\$0.00	-\$1.67	-\$1.67
Energy Cost Adjustment	¢/kwh (4.3110)	(4.7150)	-\$25.87	-\$28.29	-\$2.42
Green Infrastructure Fee	\$ 1.3000	1.3000	\$1.30	\$1.30	\$0.00
Avg Residential Bill at 600 kwh			\$184.76	\$180.57	
			Increase (Decrease -)		-\$4.19
			% Change		-2.27%