



JAY IGNACIO, P. E.
President

February 26, 2018

FILED

2018 FEB 26 P 4: 20

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

PUBLIC UTILITIES
COMMISSION

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Adjustment Factor for March 2018

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Adjustment factor for March 2018 is +0.816 cents per kilowatt-hour ("kWh"), an increase of 1.395 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$185.87, an increase of \$7.06 compared to rates effective February 1, 2018. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor (+\$6.98) and the increase in the Purchase Power Adjustment Clause rate (+\$0.08).

Hawai'i Electric Light's fuel composite cost of generation increased 152.15 cents per million BTU to 1,461.99 cents per million BTU. The distributed generation increased 0.383 cents per kWh to 14.55 cents per kWh. The composite cost of purchased energy increased 0.535 cents per kWh to 13.278 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 March 1, 2018.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>2/01/18</u>	<u>03/01/18</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,309.84	1,461.99	152.15
Dispersed Generation Energy, ¢/kWh	14.168	14.551	0.383
Purchased Energy, ¢/kWh	12.743	13.278	0.535
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	(0.579)	0.816	1.395
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	(0.579)	0.816	1.395
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$178.81	\$185.87	\$7.06
600 KWH Consumption - \$/Bill	\$214.22	\$222.68	\$8.46

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

ENERGY COST ADJUSTMENT (ECA) FILING - March 1, 2018 (Page 1 of 2)

<u>Line</u>		
1	Effective Date	March 1, 2018
2	Supersedes Factors of	February 1, 2018

GENERATION COMPONENT

<u>CENTRAL STATION WITH WIND/HYDRO COMPONENT</u>						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		1,091.81			
5	Puna Industrial		1,110.94			
6	Keahole Diesel		1,757.16			
6a	Keahole ULSD		1,478.41			
7	Waimea ULSD Diesel		1,470.61			
8	Hilo Diesel		1,730.63			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,450.44			
9	Puna Diesel		1,732.08			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		38.101			
14	Puna Industrial		4.984			
15	Keahole Diesel		53.921			
15a	Keahole ULSD		0.632			
16	Waimea ULSD Diesel		0.370			
17	Hilo Diesel		0.000			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.062			
18	Puna Diesel		1.586			
19	Wind		0.000			
20	Hydro		0.344			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmb		1,461.99			
22	% Input to System kWh Mix		49.053			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of			
			Centrl Stn +	Weighted		
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Wind/Hydro</u>	<u>Eff Factor</u>		
23	Industrial	0.015148	32.668	0.004949		
24	Diesel	0.010424	63.649	0.006635		
25	Other	0.012621	3.683	0.000465		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0120490		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			8.64094		
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)			1.52299		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			1.67148		
				<u>DG ENERGY COMPONENT</u>		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	14.551
				36	% Input to System kWh Mix	0.846
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.12310
				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)	0.11368
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.13312
				SUMMARY OF TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	1.67148
				46	DG (line 44)	0.13312
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	1.80460

¹ Hilo ULSD same location as Kanoelehua ULSD

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

ENERGY COST ADJUSTMENT (ECA) FILING - March 1, 2018 (Page 2 of 2)

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		15.180
49	PGV	On Peak	14.066
50	PGV	Off Peak	14.170
51	PGV - Add'l 5 MW	On Peak	12.860
52	PGV - Add'l 5 MW	Off Peak	12.860
53	PGV - Add'l 8 MW	On Peak	6.540
54	PGV - Add'l 8 MW	Off Peak	6.540
55	Wailuku Hydro	On Peak	14.066
56	Wailuku Hydro	Off Peak	14.170
57	Hawi Renewable Dev.	On Peak	14.066
58	Hawi Renewable Dev.	Off Peak	14.170
59	Tawhiri (Pakini Nui)	On Peak	12.160
60	Tawhiri (Pakini Nui)	Off Peak	11.760
61			
62	Small Hydro (>100 KW)	On Peak	14.066
63	Small Hydro (>100 KW)	Off Peak	14.170
64	Sch Q Hydro (<100 KW)		13.740
65	FIT		23.800
	PURCHASED ENERGY KWH MIX, %		
66	HEP		26.468
67	PGV	On Peak	17.454
68	PGV	Off Peak	10.971
69	PGV - Add'l	On Peak	3.491
70	PGV - Add'l	Off Peak	3.068
71	PGV - Add'l 8 MW	On Peak	4.652
72	PGV - Add'l 8 MW	Off Peak	5.104
73	Wailuku Hydro	On Peak	2.825
74	Wailuku Hydro	Off Peak	2.047
75	Hawi Renewable Dev.	On Peak	3.736
76	Hawi Renewable Dev.	Off Peak	2.228
77	Tawhiri (Pakini Nui)	On Peak	10.389
78	Tawhiri (Pakini Nui)	Off Peak	6.659
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)		0.223
83	FIT		0.685
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		13.278
85	% Input to System kWh Mix		50.101
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		6.65241
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))		(0.54273)
91	Loss Factor		1.067
92	Revenue Tax *		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		(0.63555)

<u>Line</u>	<u>SYSTEM COMPOSITE</u>	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	1.16905
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	(0.353)
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	0.816

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR March 1, 2018

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	68.7842	68.7842
Land Transportation Cost - \$/BBL	--	1.2049
Industrial Costs For Filing - \$/BBL	68.7842	69.9891
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,091.81	1,110.94

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	100.1676	100.1676	100.1676
Land Transportation Cost - \$/BBL	2.8022	1.3324	1.2473
Diesel Costs For Filing - \$/BBL	102.9698	101.5000	101.4149
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,757.16	1,732.08	1,730.63

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	81.9090	81.9090	81.9090	81.9090
Land Transportation Cost - \$/BBL	2.8040	2.3567	1.2012	-
ULSD Costs For Filing - \$/BBL	84.7130	84.2658	83.1103	81.9090
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,478.41	1,470.61	1,450.44	1,429.48

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	1383.4277
\$/BBI Inv Cost:	81.9090
Fuel \$ (Prod Sim Consumption x Unit Cost)	113,315.24
Net kWh (from Prod Sim)	778,750
cents/kWh:	14.551

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 01/31/2018	0	0.00	34,045	2,226,457.80			
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	(34,814)	(2,167,373.51)			
Actual	0	0.00	32,501	2,047,954.23			
Consumed: Estimate	0	0.00	32,020	1,841,690.61			
Actual	0	0.00	(33,062)	(1,962,341.55)			
Balance Per G/L 01/31/2018	0	0.00	30,690	1,986,387.58			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	31,439	2,169,677.05			
Consumed	0	0.00	(27,671)	(1,765,619.44)	106.5901	0.0000	106.5901
Balance @ 02/28/2018	0	0.00	34,458	2,390,445.19			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 02/28/2018	0	0.00	34,458	2,390,445.19			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,390,445.19)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,370,166.77			
Total @ 03/01/2018 Avg Price	0	0.00	34,458	2,370,166.77			

Weighted Avg Cost/BBL by Location #DIV/0! 69.3727

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 68.7842

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 01/31/2018	5,875	366,984.98	6,898.50			
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	(2,130)	(138,382.36)	(2,546.93)			
Actual	2,107	139,574.31	2,650.96			
Consumed: Estimate	2,721	156,503.44	3,094.99			
Actual	(2,760)	(148,438.24)	(3,139.35)			
Balance Per G/L 01/31/2018	<u>5,813</u>	<u>376,242.13</u>	<u>6,958.17</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	2,156	128,788	2,578.02			
Consumed	(2,139)	(136,484.41)	(2,511.64)	63.8076	1.1742	64.9818
Balance @ 02/28/2018	<u>5,830</u>	<u>368,545.27</u>	<u>7,024.55</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>5,830</u>	<u>368,545.27</u>	<u>7,024.55</u>		1.2049	
Reverse Fuel Balance	XXXXXXXXXXXX	(368,545.27)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	401,012.02	XXXXXXXXXXXXXXXXXXXX			
Total @ 03/01/2018 Avg Price	<u>5,830</u>	<u>401,012.02</u>	<u>7,024.55</u>			

Weighted Avg Cost/BBL by Location

63.2153

1.2049

Weighted Avg Cost/BBL @ Avg Cost

68.7842

1.2049

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 01/31/2018	46,171.2	1,939,191.0	4,036,820.4	131,018.6			
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		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfers in: Estimate	(44,330.9)	(1,861,896.0)	(3,784,210.8)	(126,050.4)			
Actual	46,313.6	1,945,171.0	3,940,464.6	129,777.31			
Consumed: Estimate	44,560.0	1,871,518.0	3,905,113.8	131,537.58			
Actual	(45,384.2)	(1,906,137.0)	(3,958,674.9)	(133,972.9)	87.2258		
Balance Per G/L 01/31/2018	47,329.7	1,987,847	4,139,513.11	132,310.33	87.4612		
Purchases	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	40,347.9	1,694,612.0	4,375,799.5	114,725.2	108.4517		
Consumed	(46,156.0)	(1,938,553.0)	(4,049,772.5)	(130,975.54)	87.7409	2.8377	90.5786
Balance @ 02/28/2018	41,521.6	1,743,906	4,465,540.13	116,060.02	107.5475		
Inventory From Offsite/Transfers	0.0	0.0	0.0	0.00			
Est'd Inventory Addition	2,952.8	124,019	259,339.3	8,564.09			
Fuel Balance @ Avg Price	44,474.4	1,867,925	4,724,879.39	124,624.11	106.2382		
Reverse Fuel Balance	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	(4,724,879.4)	xxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	4,454,894.5	xxxxxxxxxxxxxx			
Total @ 03/01/2018 Avg Price	44,474.4	1,867,925	4,454,894.45	124,624.11	100.1676		

Weighted Avg Cost/BBL by Location 106.2382 2.8022

Weighted Avg Cost/BBL @ Avg Cost 100.1676 2.8022

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER BARREL EXCL LT	BARREL LT	TOTAL
Balance at 01/31/2018	3,189.5	133,957.0	310,477.6	4,225.8			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(889.0)	(37,337.0)	(82,812.7)	(985.7)			
Actual	1,165.9	48,968.0	129,844.0	1,671.6			
Consumed: Estimate	1,386.9	58,250.0	121,544.6	1,860.5			
Actual	(1,264.6)	(53,113.0)	(165,182.1)	(1,696.4)			
Balance Per G/L 01/31/2018	3,588.7	150,725	313,871.30	5,075.82			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	1,378.2	57,886.0	163,106.0	1,528.2	118.3438		
Consumed	(1,863.8)	(78,278)	(163,528.20)	(2,469.37)	87.7409	1.3249	89.0659
Balance @ 02/28/2018	3,103.2	130,333	313,449.09	4,134.64	101.0094		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 02/28/2018	3,103.2	130,333	313,449.09	4,134.64	101.0094		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	(313,449.09)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	310,836.80	XXXXXXXXXXXXXXXXXX			
Total @ 03/01/2018 Avg Price	3,103.2	130,333	310,836.80	4,134.64	100.1676		

Weighted Avg Cost/BBL by Location 101.0094 1.3324

Weighted Avg Cost/BBL @ Avg Cost 100.1676 1.3324

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 01/31/2018	1430.5	60,081	124,521	1,785			
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	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Consumed: Estimate	48.2	2024.0	4223.3	60.1			
Actual	-35.5	-1493.0	-2525.6	-44.6			
Balance Per G/L 01/31/2018	1443.1	60,612	126,219.06	1,800.04	87.4612		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0.0	0.0	0.0	0.0	#DIV/0!		
Consumed	-49.3	-2069.0	-4322.3	-61.5	87.7409	1.2475	88.9884
Balance @ 02/28/2018	1,393.9	58,543	121,896.77	1,738.59	87.4514		
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	1,393.9	58,543	121,896.77	1,738.59	87.4514		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -121,896.77	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 139,621.73	XXXXXXXXXXXX			
Total @ 03/01/2018 Avg Price	1,393.9	58,543	139,621.73	1,738.59	100.1676		

Weighted Avg Cost/BBL by Location

87.4514 1.2473

Weighted Avg Cost/BBL @ Avg Cost

100.1676 1.2473

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 01/31/2018	1,998.6	83,942	159,756.92	5,575.58			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	0.0	0	0.00	0.00			
Actual	0.0	0	4.72	0.00			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate		116	0.00	7.85			
Actual		(139)	0.00	0.00			
Consumed: Estimate	162.0	6,802	12,898.53	452.53			
Actual	(151.8)	(6,377)	(13,049.78)	(422.07)	85.9481		
Balance Per G/L 01/31/2018	2,008.2	84,344	159,610.39	5,613.90	79.4797		
Purchases	189.4	7,954	18,014.37	538.49	0.0000		
Estimated Purchases	190.0	7,980	18,073.26	540.25			
Transfer in	2.9	120	0.00	8.12	0.00		
Consumed	(136.7)	(5,742)	(10,903.57)	(381.39)	79.7544	2.7897	82.5441
Balance @ 02/28/2018	2,253.7	94,656	184,794.45	6,319.36	81.9955		
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	2,253.7	94,656	184,794.45	6,319.36	81.9955		
Reverse Fuel Balance	XXXXXXXXXXXX	XXXXXXXXXXXX	(184,794.45)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	XXXXXXXXXXXX	184,599.58	XXXXXXXXXXXX			
Total @ 03/01/2018 Avg Price	2,253.7	94,656	184,599.58	6,319.36	81.9090		

Weighted Avg Cost/BBL by Location

81.9955 2.8040

Weighted Avg Cost/BBL @ Avg Cost

81.9090 2.8040

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 01/31/2018	1,513.9	63,583.0	120,545.6	3,565.13			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		0	0.00	0.00			
Actual		0.0	4.7	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(2.7)	(112)	0.00	0.00			
Actual	(0.7)	(30)	0.00	0.00			
Consumed: Estimate	93.2	3,913	7,420.16	219.88			
Actual	(104.9)	(4,407)	(8,851.18)	(247.64)			
Balance Per G/L 01/31/2018	1,498.7	62,947	119,119.26	3,537.36	79.4797		
ULSD Purchases	189.3	7,951	18,007.58	448.44	95.1224		
Estimated Purchases	190.0	7,980	18,007.58	450.07			
Transfer in	xxxxxxxxxxxx	179	0.00	0.00	#DIV/0!		
Consumed	(128.6)	(5,402)	(10,257.93)	(302.89)	79.7544	2.3550	82.1094
Balance @ 02/28/2018	1,753.7	73,655	144,876.49	4,132.98	82.6123		
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	1,753.7	73,655	144,876.49	4,132.98	82.6123		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(144,876.49)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	143,643.10	xxxxxxxxxxxx			
Total @ 03/01/2018 Avg Price	1,753.7	73,655	143,643.10	4,132.98	81.9090		

Weighted Avg Cost/BBL by Location

82.6123 2.3567

Weighted Avg Cost/BBL @ Avg Cost

81.9090 2.3567

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 01/31/2018	1,329.4	55,835.0	105,988.8	1,673.3		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	0.0	0	0.00	0.00		
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	33.2	1,395	967.04	26.58		
Actual	(33.5)	(1,408)	(1,319.78)	(42.06)		
Balance Per G/L 01/31/2018	1,329.1	55,822	105,636.09	1,657.79		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	190	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(6.4)	(268)	(967.04)	(26.58)	79.75439978	1.2587
Balance @ 02/28/2018	1,512.7	63,534	122,703.85	1,817.14		
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	1,512.7	63,534	122,703.85	1,817.14		
Reverse Fuel Balance	x	x	(122,703.85)	x		
Fuel Balance @ Avg Price	x	x	123,904.98	x		
Total @ 03/01/2018 Avg Price	1,512.7	63,534	123,904.98	1,817.14		

Weighted Avg Cost/BBL by Location

81.1150 1.2012

Weighted Avg Cost/BBL @ Avg Cost

81.9090 1.2012

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
February 2018

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 01/31/2018	99.7	4,188	7,824.55	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	0.0	0	0.00	
Consumed: Estimate	0.5	23	43.61	
Actual	(3.6)	(152)	(187.01)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 01/31/2018	96.64	4,059	7,681.15	79.4797
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(3.5)	(149)	(282.94)	79.7544
Balance @ 02/28/2018	93.1	3,910	7,398.21	79.4693
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 02/28/2018	93.1	3,910	7,398.21	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(7,398.21)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	7,625.34	xxxx
Total @ 03/01/2018 Avg Price	93.1	3,910	7,625.34	81.9090

HAWAII ELECTRIC LIGHT COMPANY, INC.
CONTRACT PRICES EFFECTIVE February 1, 2018

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	56.96	3.5880	56.96	3.5880
Ocean Transportation	43.32	2.6302	41.75	2.6302
Storage	28.69	1.9687	31.25	1.9687
Wharfage	5.60	0.3400	5.40	0.3400
Fees ²	0.42	0.0263	0.42	0.0000
	<u>Hilo Diesel</u>		<u>Waimea Diesel</u>	
DIESEL *	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	91.86	5.3827	91.86	5.3827
Ocean Transportation	44.88	1.9761	44.88	2.6302
Storage	26.13	1.5312	26.13	1.5312
Wharfage	5.80	0.3400	5.80	0.3400
Fees ²	0.90	0.0525	0.90	0.0525
	<u>Kona Diesel</u>		<u>CT3 Diesel</u>	
	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	91.86	5.3827	91.86	5.3827
Ocean Transportation	44.88	2.6302	44.88	2.6302
Storage	26.13	1.5312	26.13	1.5312
Wharfage	5.80	0.3400	5.80	0.3400
Fees ²	0.90	0.0525	0.90	0.0525
	<u>ULSD</u>			
ULSD **	<u>¢/MBTU</u>	<u>\$/BBL</u>		
Tax ¹	26.38	1.9777		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		
Fees ²	0.90	0.0525		

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

² Fees include Custom Duty and Fed Oil Spill Recovery

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 March 1, 2018

		<u>March 1, 2018</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	14.066	6.560
PGV (22 MW)	- off peak	14.170	5.430
WAILUKU HYDRO	- on peak	14.066	7.240
	.	14.170	5.970
Other: (<100 KW)	Sch Q Rate	13.740	
		<u>March 1, 2018</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		15.180	
PGV Addtl 5 MW	- on peak	12.8600	0.0000
	- off peak	12.8600	0.0000
PGV Addtl 8 MW	- on peak	6.5400	0.0000
	- off peak	6.5400	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
March 1, 2018

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$825,100)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$275,033)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$301,853)
5	Estimated MWh Sales (March 1, 2018)	85,628 mwh
6	Adjustment (Line 4 / Line 5)	(0.353) ¢/kwh

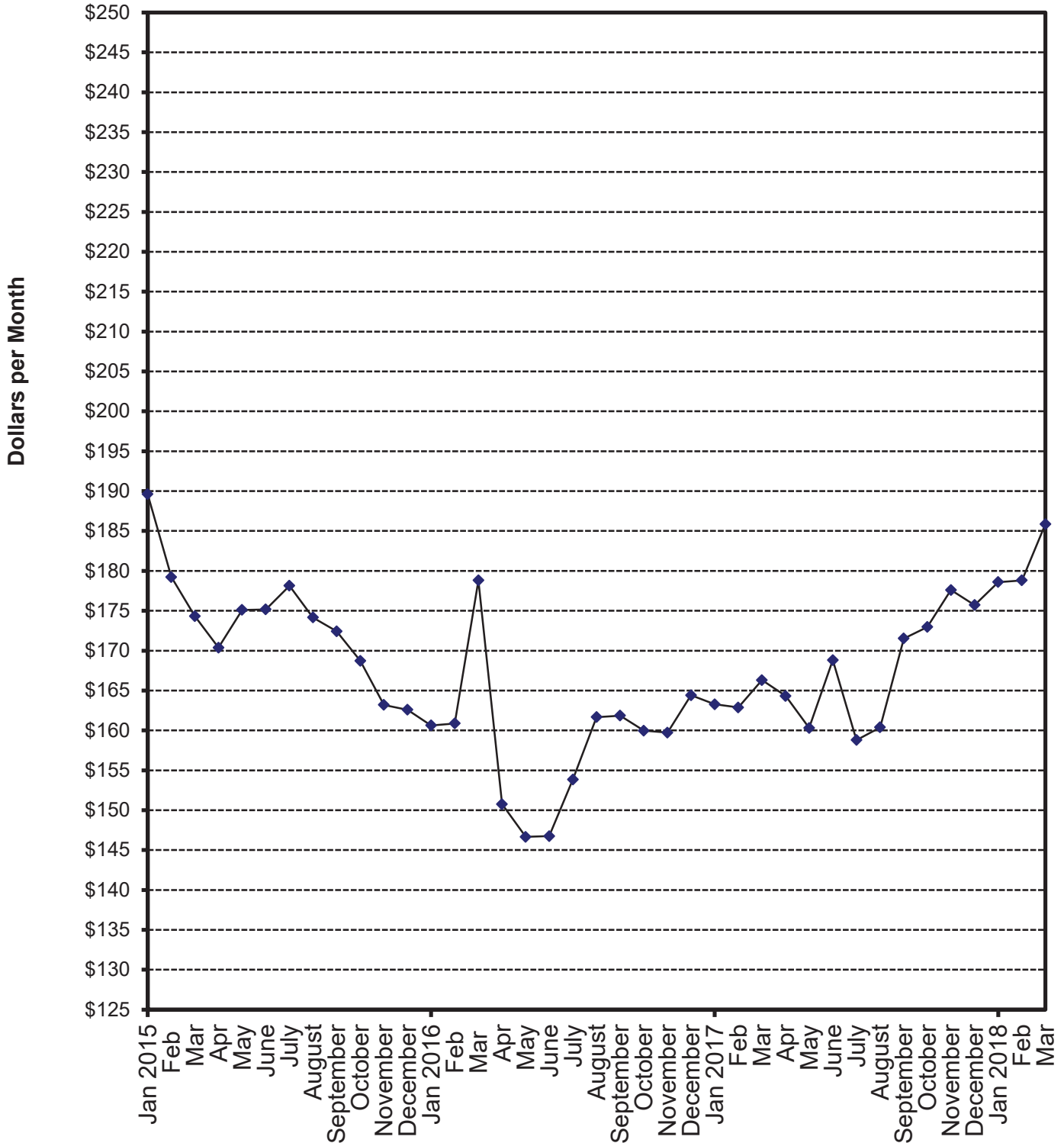
HAWAII ELECTRIC LIGHT COMPANY, INC.
2017 Cumulative Reconciliation Balance

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	785,400	[3]	(82,548)	867,948	(261,800)	(268,646)	534,241
December 16					(261,800)	(283,626)	250,615
January 17					(261,800)	(265,764)	(15,149)
February	1,366,400	[4]	(46,589)	1,412,989	(455,467)	(473,124)	924,716
March					(455,467)	(479,559)	445,157
April					(455,467)	(478,693)	(33,536)
May	445,100	(1)	(45,713)	490,813	(148,367)	(154,562)	302,715
June					(148,367)	(151,295)	151,420
July					(148,367)	(157,548)	(6,128)
August	500,800	[2]	(32,349)	533,149	(166,933)	(180,924)	346,097
September					(166,933)	(178,788)	167,309
October					(166,933)	(178,629)	(11,320)
November	714,200	[3]	(35,027)	749,227	(238,067)	(250,818)	487,089
December					(238,067)	(243,403)	243,686
January 18					(238,067)	(242,224)	1,462
February	825,100	[4]	(29,783)	854,883	(275,033)		
March					(275,033)		

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		
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>RESIDENTIAL BILL (\$) @ 500 KWH @ 600 KWH</u>	
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
May 1, 2016	-5.554	146.66	175.64
June 1, 2016	-5.546	146.74	175.74
July 1, 2016	-4.248	153.85	184.31
August 1, 2016	-3.094	161.67	193.69
September 1, 2016	-3.040	161.85	193.90
October 1, 2016	-3.427	159.97	191.65
November 1, 2016	-3.514	159.72	191.35
December 1, 2016	-2.584	164.41	196.97
January 1, 2017	-2.842	163.27	195.58
February 1, 2017	-2.956	162.87	195.09
March 1, 2017	-2.274	166.31	199.24
April 1, 2017	-2.425	164.31	196.83
May 1, 2017	-3.035	160.30	192.02
June 1, 2017	-1.343	168.82	202.25
July 1, 2017	-3.220	158.79	190.22
August 1, 2017	-3.643	160.39	192.15
September 1, 2017	-2.447	171.52	205.50
October 1, 2017	-2.131	172.97	207.23
November 1, 2017	-0.885	177.60	212.80
December 1, 2017	-1.405	175.02	209.69
January 1, 2018	-0.723	178.59	213.95
February 1, 2018	-0.579	178.81	214.22
March 1, 2018	0.816	185.87	222.68

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
1/1/2016-1/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	2.3260 CENTS/KWH
1/1/2016-06/30/16	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
5/1/2016 - 5/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8623 CENTS/KWH
5/1/2016	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2016 - 6/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8442 CENTS/KWH
6/1/2016	RBA RATE ADJUSTMENT	1.4241 CENTS/KWH
7/1/2016-7/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8909 CENTS/KWH
7/1/2016	GREEN INFRASTRUCTURE FEE	1.1300 DOLLARS/MONTH
7/1/2016	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5865 CENTS/KWH
8/1/2016-8/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3000 CENTS/KWH
9/1/2016-9/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.2824 CENTS/KWH
10/1/2016-10/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.2930 CENTS/KWH
11/1/2016-11/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3298 CENTS/KWH
12/1/2016-12/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3371 CENTS/KWH
1/1/2017-1/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	2.3400 CENTS/KWH
1/1/2017	GREEN INFRASTRUCTURE FEE	1.2700 DOLLARS/MONTH
2/1/2017 - 2/28/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3737 CENTS/KWH
3/1/2017 - 3/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3809 CENTS/KWH
4/1/2017-4/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3781 CENTS/KWH
4/1/2017-4/30/17	SOLARSAVER ADJUSTMENT	-0.2462 CENTS/KWH
5/1/2017-5/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	1.9396 CENTS/KWH
5/1/2017	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2017-6/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	1.9225 CENTS/KWH
6/1/2017	RBA RATE ADJUSTMENT	1.4533 CENTS/KWH
7/1/2017 - 7/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	1.9710 CENTS/KWH
7/1/2017- 12/31/17	GREEN INFRASTRUCTURE FEE	1.1800 DOLLARS/MONTH
7/1/2017	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4244 CENTS/KWH
8/1/2017-8/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7161 CENTS/KWH
9/1/2017-9/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7515 CENTS/KWH
8/31/2017	Interim Ra te Increase 2016	5.8800 PERCENT ON BASE
8/31/2017	RBA RATE ADJUSTMENT	0.6313 CENTS/KWH
10/1/2017 - 10/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7257 CENTS/KWH
11/1/2017 - 11/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.4067 CENTS/KWH
12/1/2017 - 12/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.4090 CENTS/KWH
1/1/2018 - 1/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.4105 CENTS/KWH
1/1/2018-6/30/18	GREEN INFRASTRUCTURE FEE	1.3400 DOLLARS/MONTH
2/1/18-2/28/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3101 CENTS/KWH
3/1/18 - 3/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3258 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		
	2/01/18	03/01/18	2/01/18	03/01/18	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
Interim Rate Increase 2016 TY	% on base 5.8800%	5.8800%	\$9.08	\$9.08	\$0.00
RBA Rate Adjustment	¢/kwh 0.6313	0.6313	\$3.16	\$3.16	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.3101	2.3258	\$11.55	\$11.63	\$0.08
PBF Surcharge	¢/kwh 0.4244	0.4244	\$2.12	\$2.12	\$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 (0.5790)	0.8160	-\$2.90	\$4.08	\$6.98
Green Infrastructure Fee	\$ 1.3400	1.3400	\$1.34	\$1.34	\$0.00
Avg Residential Bill at 500 kwh			\$178.81	\$185.87	

Increase (Decrease -)	\$7.06
% Change	3.95%

	Rate		Charge (\$) at 600 Kwh		
	2/01/18	03/01/18	2/01/18	03/01/18	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
Interim Rate Increase 2016 TY	% on base 5.8800%	5.8800%	\$10.89	\$10.89	\$0.00
RBA Rate Adjustment	¢/kwh 0.6313	0.6313	\$3.79	\$3.79	\$0.00
Purchased Power Adj. Clause	¢/kwh 2.3101	2.3258	\$13.86	\$13.95	\$0.09
PBF Surcharge	¢/kwh 0.4244	0.4244	\$2.55	\$2.55	\$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 (0.5790)	0.8160	-\$3.47	\$4.90	\$8.37
Green Infrastructure Fee	\$ 1.3400	1.3400	\$1.34	\$1.34	\$0.00
Avg Residential Bill at 600 kwh			\$214.22	\$222.68	

Increase (Decrease -)	\$8.46
% Change	3.95%