



JAY IGNACIO, P. E.
President

August 29, 2018

FILED

2018 AUG 29 P 3:41

PUBLIC UTILITIES
COMMISSION

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

Dear Commissioners:

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

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Adjustment factor for September 2018 is 2.027 cents per kilowatt-hour ("kWh"), an increase of 0.362 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$184.98, an increase of \$1.73 compared to rates effective August 1, 2018. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor (+\$1.81) and the decrease in the Purchase Power Adjustment Clause rate (-\$0.08).

Hawai'i Electric Light's fuel composite cost of generation increased 23.71 cents per million BTU to 1,449.13 cents per million BTU. The distributed generation increased 0.138 cents per kWh to 15.780 cents per kWh. The composite cost of purchased energy increased 0.093 cents per kWh to 14.763 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 September 1, 2018.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST ADJUSTMENT FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>08/01/18</u>	<u>09/01/18</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,425.42	1,449.13	23.71
Dispersed Generation Energy, ¢/kWh	15.642	15.780	0.138
Purchased Energy, ¢/kWh	14.670	14.763	0.093
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment - ¢/kWh	1.665	2.027	0.362
<u>Others - "G,J,P,F"</u>			
Energy Cost Adjustment - ¢/kWh	1.665	2.027	0.362
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$183.25	\$184.98	\$1.73
600 KWH Consumption - \$/Bill	\$219.55	\$221.62	\$2.07

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

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

<u>Line</u>		
1	Effective Date	September 1, 2018
2	Supercedes Factors of	August 1, 2018

GENERATION COMPONENT

<u>CENTRAL STATION WITH WIND/HYDRO COMPONENT</u>						
FUEL PRICES, ¢/mmbtu						
3						
4	Hill Industrial		1,215.26			
5	Puna Industrial		1,235.11			
6	Keahole Diesel		1,709.94			
6a	Keahole ULSD		1,599.53			
7	Waimea ULSD Diesel		1,591.56			
8	Hilo Diesel		1,680.80			
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,572.75			
9	Puna Diesel		1,680.31			
10	Wind		0.00			
11	Hydro		0.00			
BTU MIX, %						
12						
13	Hill Industrial		38.182			
14	Puna Industrial		1.529			
15	Keahole Diesel		50.305			
15a	Keahole ULSD		1.052			
16	Waimea ULSD Diesel		0.220			
17	Hilo Diesel		0.018			
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.059			
18	Puna Diesel		5.028			
19	Wind		0.000			
20	Hydro		3.607			
			100.000			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbt		1,449.13			
22	% Input to System kWh Mix		53.046			
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of			
			Centrl Stn +			
			Wind/Hydro			
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Wind/Hydro</u>	<u>Eff Factor</u>		
23	Industrial	0.015148	39.711	0.006015		
24	Diesel	0.010424	56.682	0.005909		
25	Other	0.012621	3.607	0.000455		
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)					
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0123790		
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			9.51581		
28	BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu			1,224.44		
29	Base % Input to Sys kWh Mix			46.06		
30	Efficiency Factor, mmbtu/kwh			0.012621		
31	WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))			7.11795		
32	COST LESS BASE (Line 27 - 31)			2.39786		
33	Revenue Tax Req Multiplier			1.0975		
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			2.63165		
				<u>DG ENERGY COMPONENT</u>		
				35	COMPOSITE COST OF DG ENERGY, ¢/kWh	15.780
				36	% Input to System kWh Mix	0.901
				37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)	0.14217
				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)	0.13275
				42	Loss Factor	1.067
				43	Revenue Tax Req Multiplier	1.0975
				44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)	0.15545
				SUMMARY OF		
				TOTAL GENERATION FACTOR, ¢/kWh		
				45	Cntrl Stn+Wind/Hydro (line 34)	2.63165
				46	DG (line 44)	0.15545
				47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)	2.78710

¹ Hilo ULSD same location as Kanoelehua ULSD

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

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

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE, ¢/kWh		
48	HEP		15.506
49	PGV	On Peak	15.691
50	PGV	Off Peak	15.400
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	15.691
56	Wailuku Hydro	Off Peak	15.400
57	Hawi Renewable Dev.	On Peak	15.691
58	Hawi Renewable Dev.	Off Peak	15.400
59	Tawhiri (Pakini Nui)	On Peak	11.560
60	Tawhiri (Pakini Nui)	Off Peak	11.540
61			
62	Small Hydro (>100 KW)	On Peak	15.691
63	Small Hydro (>100 KW)	Off Peak	15.400
64	Sch Q Hydro (<100 KW)		15.160
65	FIT		23.800
	PURCHASED ENERGY KWH MIX, %		
66	HEP		64.714
67	PGV	On Peak	0.000
68	PGV	Off Peak	0.000
69	PGV - Addt'l	On Peak	0.000
70	PGV - Addt'l	Off Peak	0.000
71	PGV - Add'l 8 MW	On Peak	0.000
72	PGV - Add'l 8 MW	Off Peak	0.000
73	Wailuku Hydro	On Peak	3.628
74	Wailuku Hydro	Off Peak	2.364
75	Hawi Renewable Dev.	On Peak	5.076
76	Hawi Renewable Dev.	Off Peak	2.355
77	Tawhiri (Pakini Nui)	On Peak	12.776
78	Tawhiri (Pakini Nui)	Off Peak	8.002
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)		0.262
83	FIT		0.823
			100.000
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		14.763
85	% Input to System kWh Mix		46.052
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85))		6.79866
87	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh		13.354
88	Base % Input to Sys kWh Mix		53.88
89	WEIGHTED BASE PURCHASED COST, ¢/kWh (Lines (87 x 88))	2.0000	7.19514
90	COST LESS BASE (Lines (86 - 89))		(0.39648)
91	Loss Factor		1.067
92	Revenue Tax R		1.0975
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92))		(0.46429)

Line	SYSTEM COMPOSITE	
94	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93))	2.32281
95	Not Used	0.000
96	Not Used	0.000
97	ECA Reconciliation Adjustment	(0.296)
98	ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	2.027

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

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	76.5616	76.5616
Land Transportation Cost - \$/BBL	--	1.2506
	<hr/>	
Industrial Costs For Filing - \$/BBL	76.5616	77.8122
Conversion Factors - mmbtu/BBL	6.30	6.30
	<hr/>	
Industrial Costs For Filing - ¢/mmbtu	1,215.26	1,235.11
	<hr/> <hr/>	

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	97.3748	97.3748	97.3748
Land Transportation Cost - \$/BBL	2.8274	1.0911	1.1200
	<hr/>		
Diesel Costs For Filing - \$/BBL	100.2022	98.4659	98.4948
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
	<hr/>		
Diesel Costs For Filing - ¢/mmbtu	1,709.94	1,680.31	1,680.80
	<hr/> <hr/>		

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	88.8584	88.8584	88.8584	88.8584
Land Transportation Cost - \$/BBL	2.7950	2.3379	1.2604	-
	<hr/>			
ULSD Costs For Filing - \$/BBL	91.6534	91.1963	90.1188	88.8584
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
	<hr/>			
ULSD Costs For Filing - ¢/mmbtu	1,599.53	1,591.56	1,572.75	1,550.76
	<hr/> <hr/>			

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	1205.7805
\$/BBI Inv Cost:	88.8584
	<hr/>
Fuel \$ (Prod Sim Consumption x Unit Cost)	107,143.72
Net kWh (from Prod Sim)	679,000
cents/kWh:	15.780

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

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 07/31/2018	0	0.00	40,009	2,999,186.54			
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	(35,415)	(2,633,747.90)			
Actual	0	0.00	30,838	2,357,600.90			
Consumed: Estimate	0	0.00	33,796	2,562,934.88			
Actual	0	0.00	(34,369)	(2,594,891.77)			
Balance Per G/L 07/31/2018	<u>0</u>	<u>0.00</u>	<u>34,859</u>	<u>2,691,082.65</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	25,386	1,919,515.96			
Consumed	<u>0</u>	<u>0.00</u>	<u>(21,894)</u>	<u>(1,658,008.22)</u>	106.5901	0.0000	106.5901
Balance @ 08/31/2018	0	0.00	38,351	2,952,590.39			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 08/31/2018	<u>0</u>	<u>0.00</u>	<u>38,351</u>	<u>2,952,590.39</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,952,590.39)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,936,214.19			
Total @ 09/01/2018 Avg Price	<u>0</u>	<u>0.00</u>	<u>38,351</u>	<u>2,936,214.19</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 76.9886

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 76.5616

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 07/31/2018	5,529	466,254.04	6,539.33			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	(6,693)	(516,155.96)	(8,003.09)			
Actual	6,624	528,679.91	8,258.98			
Consumed: Estimate	6,831	518,031.96	9,290.79			
Actual	<u>(6,752)</u>	<u>(569,204.25)</u>	<u>(9,183.34)</u>			
Balance Per G/L 07/31/2018	<u>5,539</u>	<u>427,605.70</u>	<u>6,902.67</u>			
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx			
Transfer in	6,725	523,311	8,041.35			
Consumed	(5,797)	<u>(439,000.35)</u>	(6,856.30)	75.7289	1.1827	76.9116
Balance @ 08/31/2018	<u>6,467</u>	<u>511,916.11</u>	<u>8,087.72</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>6,467</u>	<u>511,916.11</u>	<u>8,087.72</u>		1.2506	
Reverse Fuel Balance	xxxxxxxxxxxx	(511,916.11)	xxxxxxxxxxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	495,123.91	xxxxxxxxxxxxxxxxxxxxxxxx			
Total @ 09/01/2018 Avg Price	<u>6,467</u>	<u>495,123.91</u>	<u>8,087.72</u>			

Weighted Avg Cost/BBL by Location

79.1582

1.2506

Weighted Avg Cost/BBL @ Avg Cost

76.5616

1.2506

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

KEAHOLE CT

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCLUD LT	BARREL LT	TOTAL
Balance at 07/31/2018	49,196.1	2,066,238.0	4,545,110.3	138,415.3			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Transfers out: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfers in: Estimate	(46,136.5)	(1,937,731.0)	(4,519,823.9)	(131,184.4)			
Actual	46,789.9	1,965,175.0	4,600,789.4	132,104.50			
Consumed: Estimate	52,997.8	2,225,909.0	5,751,567.8	149,433.49			
Actual	(54,276.6)	(2,279,617.0)	(5,745,818.8)	(153,075.8)	105.8618		
Balance Per G/L 07/31/2018	48,570.8	2,039,974	4,631,824.94	135,693.14	95.3623		
Purchases	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer in	51,725.9	2,172,486.0	4,993,096.9	147,077.3	96.5300		
Consumed	(58,207.9)	(2,444,731.0)	(5,533,986.4)	(163,767.87)	95.0728	2.8135	97.8863
Balance @ 08/31/2018	42,088.8	1,767,729	4,090,935.43	119,002.57	97.1978		
Inventory From Offsite/Transfers	0.0	0.0	0.0	0.0			
Est'd Inventory Addition	0.0	0	0.0	0.0			
Fuel Balance @ Avg Price	42,088.8	1,767,729	4,090,935.43	119,002.57	97.1978		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	(4,090,935.4)	xxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	4,098,386.2	xxxxxxxxxxxxxxxx			
Total @ 09/01/2018 Avg Price	42,088.8	1,767,729	4,098,386.20	119,002.57	97.3748		

Weighted Avg Cost/BBL by Location 97.1978 2.8274

Weighted Avg Cost/BBL @ Avg Cost 97.3748 2.8274

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 07/31/2018	4,442.8	186,597.0	502,933.4	5,226.8			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(3,185.4)	(133,787.0)	(298,720.0)	(3,532.0)			
Actual	3,122.6	131,148.0	319,741.9	3,540.9			
Consumed: Estimate	4,214.2	176,996.0	457,343.3	5,122.7			
Actual	(4,365.8)	(183,363.0)	(578,072.6)	(5,307.0)			
Balance Per G/L 07/31/2018	4,228.4	177,591	403,225.94	5,051.42			
Purchases		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	5,551.9	233,181.0	536,934.8	6,156.0	96.7114		
Consumed	(6,277.8)	(263,669)	(596,851.21)	(7,385.87)	95.0728	1.1765	96.2493
Balance @ 08/31/2018	3,502.5	147,103	343,309.52	3,821.53	98.0198		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 08/31/2018	3,502.5	147,103	343,309.52	3,821.53	98.0198		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXXXX	(343,309.52)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXXXX	341,050.53	XXXXXXXXXXXXXXXXXXXX			
Total @ 09/01/2018 Avg Price	3,502.5	147,103	341,050.53	3,821.53	97.3748		

Weighted Avg Cost/BBL by Location

98.0198 1.0911

Weighted Avg Cost/BBL @ Avg Cost

97.3748 1.0911

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 07/31/2018	1300.8	54,632	119,029	1,602			
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	90.9	3818.0	9865.4	111.9			
Actual	-125.2	-5259.0	-8122.4	-206.1			
Balance Per G/L 07/31/2018	1266.5	53,191	120,771.84	1,508.16	95.3623		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	566.4	23790.0	55379.4	555.0	0.0000		
Consumed	-92.5	-3885.0	-8794.2	-113.9	95.0728	1.2312	96.3040
Balance @ 08/31/2018	1,740.4	73,096	167,357.02	1,949.23	96.1611		
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	1,740.4	73,096	167,357.02	1,949.23	96.1611		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX	-167,357.02	XXXXXXXXXXXX		
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX	169,469.21	XXXXXXXXXXXX		
Total @ 09/01/2018 Avg Price	1,740.4	73,096	169,469.21	1,949.23	97.3748		

Weighted Avg Cost/BBL by Location

96.1611 1.1200

Weighted Avg Cost/BBL @ Avg Cost

97.3748 1.1200

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

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 07/31/2018	2,149.2	90,266	186,927.46	5,967.72			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(19,311.60)	(540.25)			
Actual	188.7	7,925	19,334.74	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		50	0.00	3.39			
Actual		7	0.00	536.52			
Consumed: Estimate	183.3	7,700	16,284.90	508.93			
Actual	(204.9)	(8,606)	(17,707.39)	(532.21)	86.4177		
Balance Per G/L 07/31/2018	2,127.7	89,362	185,528.11	5,944.10	87.1979		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	(1.5)	(64)	0.00	(4.33)	0.00		
Consumed	(148.6)	(6,242)	(13,094.19)	(412.67)	88.1057	2.7767	90.8824
Balance @ 08/31/2018	1,977.5	83,056	172,433.92	5,527.10	87.1969		
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	1,977.5	83,056	172,433.92	5,527.10	87.1969		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(172,433.92)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	175,719.59	xxxxxxxxxxxx			
Total @ 09/01/2018 Avg Price	1,977.5	83,056	175,719.59	5,527.10	88.8584		

Weighted Avg Cost/BBL by Location

87.1969 2.7950

Weighted Avg Cost/BBL @ Avg Cost

88.8584 2.7950

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 07/31/2018	1,627.9	68,371.0	141,475.5	3,804.94			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(19,311.60)	(450.07)			
Actual		7,908.0	19,293.6	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(21.6)	(908)	0.00	0.00			
Actual	23.5	986	0.00	446.01			
Consumed: Estimate	143.5	6,025	12,742.41	334.78			
Actual	(104.0)	(4,366)	(8,795.35)	(242.59)			
Balance Per G/L 07/31/2018	1,667.5	70,036	145,404.61	3,893.06	87.1979		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxx	(96)	0.00	0.00	#DIV/0!		
Consumed	(149.7)	(6,289)	(13,192.78)	(349.99)	88.1057	2.3374	90.4431
Balance @ 08/31/2018	1,515.5	63,651	132,211.83	3,543.07	87.2397		
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	1,515.5	63,651	132,211.83	3,543.07	87.2397		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(132,211.83)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	134,664.90	xxxxxxxxxxxx			
Total @ 09/01/2018 Avg Price	1,515.5	63,651	134,664.90	3,543.07	88.8584		
Weighted Avg Cost/BBL by Location			87.2397	2.3379			
Weighted Avg Cost/BBL @ Avg Cost			88.8584	2.3379			

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 07/31/2018	1,464.5	61,510.0	133,842.0	1,761.7		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	(188.1)	(7,899)	(19,087.27)	(184.05)		
Actual	188.1	7,899	19,271.90	0.00		
Transfers out: Estimate			x	x	x	
Actual			x	x	x	
Transfers in: Estimate		95	0.00	2.21		
Actual		(95)	0.00	184.05		
Consumed: Estimate	73.0	3,067	967.04	26.58		
Actual	(68.0)	(2,855)	(6,850.04)	(40.44)		
Balance Per G/L 07/31/2018	1,469.6	61,722	128,143.58	1,750.04		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	0	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(102.2)	(4,292)	(967.04)	(26.58)	88.10573312	1.2029
Balance @ 08/31/2018	1,367.4	57,430	127,176.54	1,723.46		
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	1,367.4	57,430	127,176.54	1,723.46		
Reverse Fuel Balance	x	x	(127,176.54)	x		
Fuel Balance @ Avg Price	x	x	121,503.28	x		
Total @ 09/01/2018 Avg Price	1,367.4	57,430	121,503.28	1,723.46		
Weighted Avg Cost/BBL by Location			93.0074	1.2604		
Weighted Avg Cost/BBL @ Avg Cost			88.8584	1.2604		

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 07/31/2018	71.7	3,012	5,888.11	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	28.4	1,191	2,905.65	
Consumed: Estimate	11.2	470	994.01	
Actual	(12.3)	(516)	(1,157.25)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 07/31/2018	98.98	4,157	8,630.52	87.1979
Purchases	18.9	794	1,887.70	99.8531
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(29.2)	(1,226)	(2,571.85)	88.1057
Balance @ 08/31/2018	88.7	3,725	7,946.37	89.5967
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 08/31/2018	88.7	3,725	7,946.37	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(7,946.37)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	7,880.89	xxxx
Total @ 09/01/2018 Avg Price	88.7	3,725	7,880.89	88.8584

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR September 1, 2018

		September 1, 2018 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	15.691	6.560
PGV (22 MW)	- off peak	15.400	5.430
WAILUKU HYDRO	- on peak	15.691	7.240
	off peak	15.400	5.970
Other: (<100 KW)	Sch Q Rate	15.160	
		September 1, 2018 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		15.506	
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
September 1, 2018

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$699,900)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$233,300)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$256,050)
5	Estimated MWh Sales (September 1, 2018)	86,421 mwh
6	Adjustment (Line 4 / Line 5)	(0.296) ¢/kwh

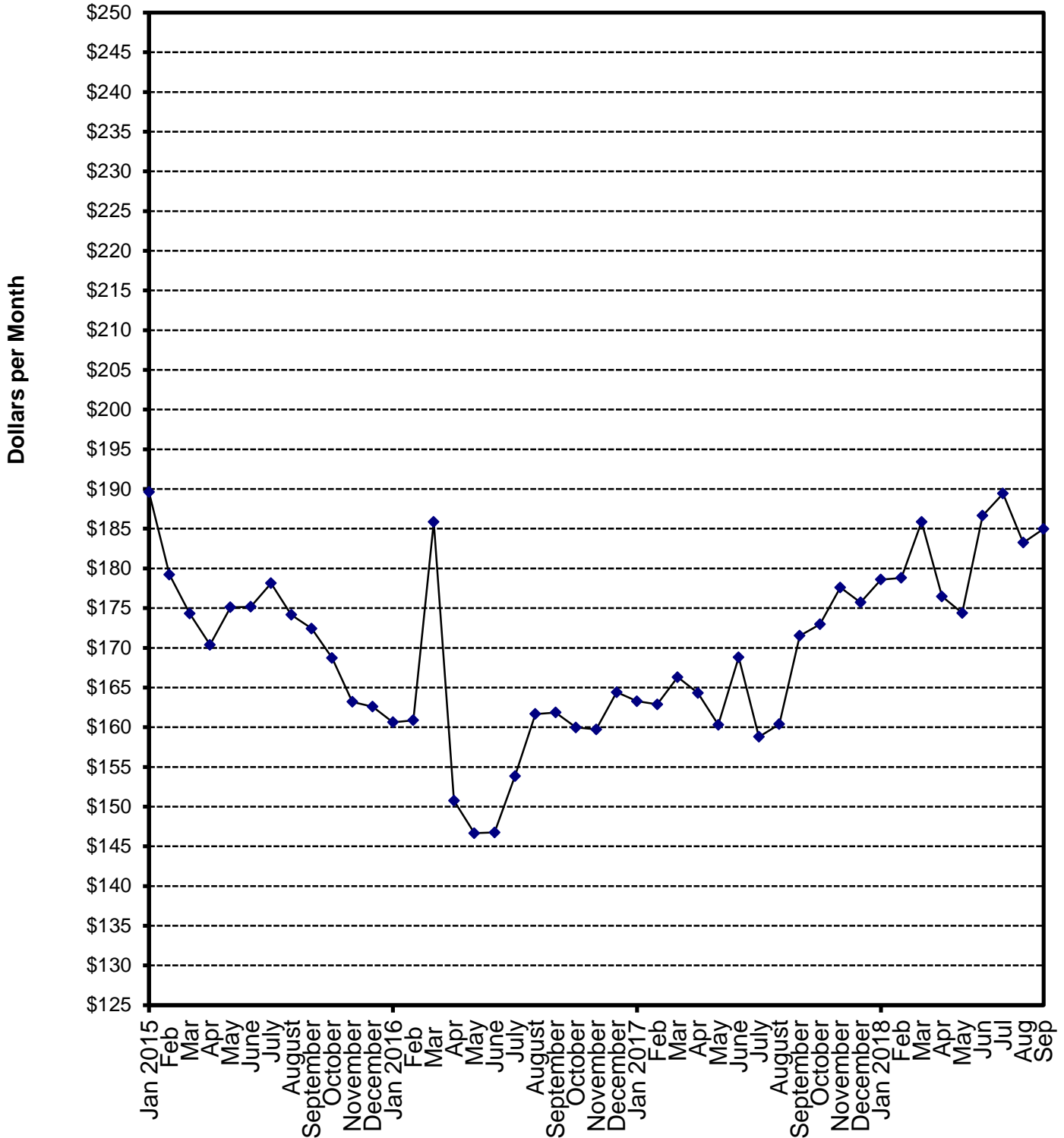
HAWAII ELECTRIC LIGHT COMPANY, INC.
2018 Cumulative Reconciliation Balance

<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	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)	(279,869)	576,476
March					(275,033)	(283,895)	292,581
April					(275,033)	(291,829)	752
May	1,153,900	(1)	(17,855)	1,171,755	(384,633)	(398,709)	773,798
June					(384,633)	(387,715)	386,083
July					(384,633)	(399,033)	(12,950)
August	699,900	[2]	(33,954)	733,854	(233,300)		
September					(233,300)		

NOTES:

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

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



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

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		<u>RESIDENTIAL BILL (\$)</u>	
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>@ 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	
April 1, 2018	-0.912	176.46	211.39	
May 1, 2018	-0.452	174.38	208.90	
June 1, 2018	2.301	186.65	223.63	
July 1, 2018	2.831	189.43	226.97	
August 1, 2018	1.665	183.25	219.55	
September 1, 2018	2.027	184.98	221.62	

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
04/09/12	FINAL RATE INCREASE (1.28%), DOCKET NO. 2009-0164 (2010 TEST YEAR)	
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
8/31/2017-4/30/18	INTERIM RATE 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
1/1/18-6/30/18	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
04/1/18-04/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3184 CENTS/KWH
04/1/18-04/30/18	SOLARSAVER ADJUSTMENT	-0.1464 CENTS/KWH
05/1/18-05/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3395 CENTS/KWH
05/1/18-05/31/18	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
5/1/2018	INTERIM RATE INCREASE 2016	2.5000 PERCENT ON BASE
06/01/18-06/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6729 CENTS/KWH
6/1/2018	RBA RATE ADJUSTMENT	1.0006 CENTS/KWH
07/01/18-07/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6811 CENTS/KWH
7/1/2018- 12/31/18	GREEN INFRASTRUCTURE FEE	1.2100 DOLLARS/MONTH
7/1/2018	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4658 CENTS/KWH
08/01/18-08/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6110 CENTS/KWH
09/01/18-09/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.5950 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			
	08/01/18	09/01/18	08/01/18	09/01/18	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	2.5000%	2.5000%	\$3.86	\$3.86	\$0.00
RBA Rate Adjustment	¢/kwh	1.0006	1.0006	\$5.00	\$5.00	\$0.00
Purchased Power Adj. Clause	¢/kwh	1.6110	1.5950	\$8.06	\$7.98	-\$0.08
PBF Surcharge	¢/kwh	0.4658	0.4658	\$2.33	\$2.33	\$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	1.6650	2.0270	\$8.33	\$10.14	\$1.81
Green Infrastructure Fee	\$	1.2100	1.2100	\$1.21	\$1.21	\$0.00
Avg Residential Bill at 500 kwh				\$183.25	\$184.98	
				Increase (Decrease -)	\$1.73	
				% Change	0.94%	

	Rate		Charge (\$) at 600 Kwh			
	08/01/18	09/01/18	08/01/18	09/01/18	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	2.5000%	2.5000%	\$4.63	\$4.63	\$0.00
RBA Rate Adjustment	¢/kwh	1.0006	1.0006	\$6.00	\$6.00	\$0.00
Purchased Power Adj. Clause	¢/kwh	1.6110	1.5950	\$9.67	\$9.57	-\$0.10
PBF Surcharge	¢/kwh	0.4658	0.4658	\$2.79	\$2.79	\$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	1.6650	2.0270	\$9.99	\$12.16	\$2.17
Green Infrastructure Fee	\$	1.2100	1.2100	\$1.21	\$1.21	\$0.00
Avg Residential Bill at 600 kwh				\$219.55	\$221.62	
				Increase (Decrease -)	\$2.07	
				% Change	0.94%	