

September 28, 2020

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

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Recovery Factor for October 2020

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Recovery factor for October 2020 is 14.274 cents per kilowatt-hour ("kWh"), a decrease of 0.300 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$169.56, decrease of \$1.45 compared to rates effective September 1, 2020. The decrease in the residential bill is due to the decrease in the Energy Cost Recovery Factor (-\$1.48), partially offset by the increase in the Purchased Power Adjustment Clause rate (+\$0.03).

Hawai'i Electric Light's fuel composite cost of generation increased 4.79 cents per million BTU to 998.65 cents per million BTU. The composite cost of distributed generation decreased 14.63 cents per kWh to 0 cents per kWh. The composite cost of purchased energy decreased 0.57 cents per kWh to 12.933 cents per kWh.

The attached sheets set forth the energy cost recovery factor in cents per kWh for each rate schedule that is applicable for pro rata use beginning October 1, 2020.

Sincerely,

<u>/s/ Sharon M. Suzuki</u> Sharon M. Suzuki President Maui County and Hawai'i Island Utilities

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

EFFECTIVE DATES

	<u>9/01/20</u>	<u>10/01/20</u>	<u>Change</u>
Composite Cost			
Generation, ¢/mmbtu Dispersed Generation Energy, ¢/kWh Purchased Energy, ¢/kWh	993.86 14.630 13.506	998.65 0.000 12.933	4.79 (14.63) (0.57)
Residential Schedule "R"			
Energy Cost Recovery - ¢/kWh	14.569	14.274	(0.30)
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	14.569	14.274	(0.30)
Residential Customer with:			
500 KWH Consumption - \$/Bill 600 KWH Consumption - \$/Bill	\$171.01 \$204.67	\$169.56 \$202.93	(\$1.45) (\$1.74)

HAWAII ELECTRIC LIGHT COMPANY, INC. ENERGY COST RECOVERY (ECR) FILING

ENERGY COST RECOVERY (ECR) FILING - October 1, 2020 (Page 1 of 2)

Line

October 1, 2020

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GENERATION FACTOR, 47 TOTAL GENERATION FACTOR,			1.0975	45 Cntrl Stn+Wind/Hydro (line 34)	6.80407
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¢/kWh (Line (32 x 33)) 6.80407 ¢/kWh (lines 45 + 46) 6.80407				· · · · · · · · · · · · · · · · · · ·	
	¢/k	Nh (Line (32 x 33))	6.80407	¢/kWh (lines 45 + 46)	6.80407

¹ Hilo ULSD same location as Kanoelehua ULSD

HAWAII ELECTRIC LIGHT COMPANY, INC. ENERGY COST RECOVERY (ECR) FILING

ENERGY COST RECOVERY (ECR) FILING - October 1, 2020 (Page 2 of 2)

ine	PURCHASED EN	IERGY COMPONEN	T	1		
	PURCHASED ENERGY PRIC					
48	HEP	σ Ε , φ/κννη τ ossi	13.141			
	PURCHASED ENERGY PRIC	CE, ¢/kWh Renewable	•			
49	PGV	On Peak	11.490			
50	PGV	Off Peak	11.121			
	PGV - Add'l 5 MW	On Peak	13.250			
	PGV - Add'l 5 MW	Off Peak	13.250			
	PGV - Add'l 8 MW	On Peak	10.100			
	PGV - Add'l 8 MW	Off Peak	6.740			
	Wailuku Hydro	On Peak	11.490			
	Wailuku Hydro Hawi Renewable Dev.	Off Peak	11.121 11.490			
	Hawi Renewable Dev.	On Peak Off Peak	11.490			
	Tawhiri (Pakini Nui)	On Peak	13.250			
	Tawhiri (Pakini Nui)	Off Peak	12.840			
	HEP Biodiesel	on roux	13.141			
	Small Hydro (>100 KW)	On Peak	11.490			
63	Small Hydro (>100 KW)	Off Peak	11.121			
64	Sch Q Hydro (<100 KW)		10.990			
65	FIT		23.800			
66	PURCHASED ENERGY KWH HEP, Fossil	H MIX, %,	57.501			
00			57.501			
67	PURCHASED ENERGY KWH PGV	On Peak	0.000			
	PGV	Off Peak	0.000			
	PGV - Addt'l	On Peak	0.000			
	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			
	Wailuku Hydro	On Peak	5.486			
	Wailuku Hydro	Off Peak	4.144			
	Hawi Renewable Dev.	On Peak	3.957			
	Hawi Renewable Dev. Tawhiri (Pakini Nui)	Off Peak On Peak	2.160 11.615	Dorivation	of Non Adjustable Component:	
	Tawhiri (Pakini Nui)	Off Peak	7.983	Derivation	of Non-Adjustable Component:	
	HEP Biodiesel	On r cak	6.345	93A	Ocean Cargo Insurance Exp, \$000	\$1
	Small Hydro (>100 KW)	On Peak	0.000	50/1	HELCO-603, page 1, line 4	Ψ
	Small Hydro (>100 KW)	Off Peak	0.000	93B	Revenue Tax Adjustment	1.097
82	Sch Q Hydro (<100 KW)		0.000	93C	Non-Adj Revenues, \$000	\$
83	FIT		0.809	93D	2019 TY Sales, MWh	1,061,
			100.000	93E	HELCO-301 Non-Adj Revenues, ¢/kWh	0.001
83a	Comp. Cost Purchased Energ	ıv Fossil, ¢/kWh	13.1410	352	Hon-huj Nevenuea, ¢/Kvvn	0.001
83b	Comp. Cost Purchased Energ COMPOSITE COST OF PUR	y Renewable, ¢/kWh	12.6507			
	ENERGY, ¢/kWh		12.933			
	% Input to System kWh Mix		48.085			
86	WEIGHTED COMPOSITE PL COST, ¢/kWh (Lines (84 x 8		6.21883			
<u>9</u> 7	BASE PURCHASED ENERG	<i></i>				
07	COMPOSITE COST, ¢/kWh		0.000	Line	SYSTEM COMP	OSITE
88	Base % Input to Sys kWh Mix		0.00			
	WEIGHTED BASE PURCHAS				94 GENERATION AND PURCHASED EI	NERGY
	COST, ¢/kWh (Lines (87 x 8		0.00000		FACTOR, ¢/kWh (Lines (47 + 93))	14.12
					95 Not Used	0.
	COST LESS BASE (Lines (86	6 - 89))	6.21883		96 Non-Adjustable Component	0.00
	Loss Factor		1.072	1	97 ECA Reconciliation Adjustment	0.1
91					5	
91 92	Revenue Tax * PURCHASED ENERGY FAC		1.0975 7.31658		98 ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	14.2

Hawaii Electric Light Company, Inc. FUEL OIL INVENTORY PRICES FOR October 1, 2020

INDUSTRIAL FUEL COSTS: Average Industrial Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	<u>HILO</u> 50.5731 	<u>PUNA</u> 50.5731 1.3358		
Industrial Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	50.5731 6.30	51.9088 6.30		
Industrial Costs For Filing - ¢/mmbtu	802.75	823.95		
DIESEL FUEL COSTS: Average Diesel Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 61.6432 3.7373	PUNA CT-3 61.6432 1.4768	HILO 61.6432 0.9743	-
Diesel Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	65.3805 5.86	63.1200 5.86	62.6176 5.86	-
Diesel Costs For Filing - ¢/mmbtu	1,115.71	1,077.13	1,068.56	
ULSD FUEL COSTS: Average ULSD Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 77.7602 4.6160	WAIMEA 77.7602 2.6620	HILO 77.7602 1.0470	DISPERSED GENERATION 77.7602 -
ULSD Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	82.3761 5.73	80.4222 5.73	78.8071 5.73	77.7602 5.73
ULSD Costs For Filing - ¢/mmbtu	1,437.63	1,403.53	1,375.34	1,357.07

Dispersed Generation, cents per kWh

	COMPOSITE COST
	OF DISP. GEN.
BBIs Fuel:	0.0000
\$/BBI Inv Cost:	77.7602
Fuel \$ (Prod Sim Consumption x Unit Cost)	0.00
Net kWh (from Prod Sim)	0
cents/kWh:	0.000

HAWAII ELECTRIC LIGHT CO., INC.

Estimated Weighted Average September 2020

SHIPMAN INDUSTRIAL HILL INDUSTRIAL COST PER BARREL BBL COST COST BBL EXCL LT LT Total Balance at 08/31/2020 0 0.00 34,643 1,755,070.36 Less: Est'd Inventory Addn 0 0.00 Purchases: Estimate Actual xxxxxx xxxxxxxxxxxxxxxx Transfers out: Estimate xxxxxx xxxxxxxxxxxxxxx ***** Actual Transfers in: Estimate 0 0.00 (36,300) (1,633,219.71)Actual 0 0.00 35,090 1,781,128.64 Consumed: Estimate 0 0.00 42,240 1,965,958.76 0 Actual 0.00 (40,125) (1,867,521.19) Balance Per G/L 08/31/2020 0 0.00 35,548 2,001,416.86 Purchases Transfer out ***** Transfer in 0 0.00 23,442 1,060,515.76 Consumed 0.00 106.5901 0 (20,547) (1,005,736.26) 106.5901 0.0000 Balance @ 09/30/2020 0 0.00 38,443 2,056,196.36 Inv From Offsite/Transfers 0 0.00 0 0.00 Est'd Inventory Addition 0 0.00 0 0.00 0.00 38,443 2,056,196.36 Fuel Balance @ 09/30/2020 0 Reverse Fuel Balance 0.00 xxxxxxxx (2,056,196.36) XXXXXX Fuel Bal @ Avg Price 0.00 1,944,180.99 XXXXXX XXXXXXXX Total @ 10/01/2020 Avg Price 0 0.00 38,443 1,944,180.99 Weighted Avg Cost/BBL by Location #DIV/0! 53.4869 Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 50.5731

	PUNA INDUSTI	RIAL				
			LAND	COST PER BA	RREL	
	BBL	COST	TRANSP	EXCLUDE LT	LT	TOTAL
Balance at 08/31/2020	9,210	471,972.26	12,078.95			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	xxxxxxxx x	****	****			
Actual	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	*****	*****			
Transfers out: Estimate	xxxxxxxx x	****	****			
Actual	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	*****	*****			
Transfers in: Estimate	(5,161)	(238,616.29)	(6,788.31)			
Actual	4,685	232,648.89	6,003.07			
Consumed: Estimate	5,110	237,832.61	6,803.54			
Actual	(5,785)	(269,248.85)	(7,321.95)			
Balance Per G/L 08/31/2020	8,059	434,588.62	10,775.30	-		
Purchases	*****	****	*****			
Transfer out	xxxxxxxx x	****	*****			
Transfer in	14,537	672,615	19,120.66			
Consumed	(11,828)	(578,957.93)	(15,512.47)	48.9481	1.3115	50.2596
Balance @ 09/30/2020	10,768	528,245.42	14,383.49			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	10,768	528,245.42	14,383.49		1.3358	
Reverse Fuel Balance	xxxxxxxxxxx	(528,245.42)	*****			
Fuel Balance @ Avg Price	*****		****			
Total @ 10/01/2020 Avg Price	10,768	544,570.95	14,383.49	-		
Weighted Avg Cost/BBL by Location		49.0570	1.3358			
Weighted Avg Cost/BBL @ Avg Cost		50.5731	1.3358			

		KEAHOLE DIESEL					
			COST	LAND	COST PER B	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 08/31/2020	44,229.8	1,857,653.0	2,735,705.0	158,082.5			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	(4,723.5)	, , ,					
Actual	3,387.7	142,283.0	220,311.6	0.0			
Transfers out: Estimate		****	****	xxxxxxxxxxxxxxxxxx			
Actual		*****	*****	*****			
Transfers in: Estimate	(43,922.2)	(1,844,734.0)	(2,661,030.7)	(137,248.2)			
Actual	46,374.9	1,947,744.0	3,198,674.0	173,204.02			
Consumed: Estimate	44,709.2	1,877,786.0	2,487,484.7	162,230.20			
Actual	(49,789.5)			,	63.3403		
Balance Per G/L 08/31/2020	40,266.4	1,691,189	2,520,285.15	175,549.34	62.5903		
Purchases	****	****	*****	*****			
Transfer out	****	****	****	*****			
Transfer in	53,060.0	2,228,518.0	3,274,549.0	165,801.7	61.7141		
Consumed	(56,239.5)	(2,362,059.0)	(3,519,781.3)	(201,006.37)	62.5856	3.5741	66.1597
Balance @ 09/30/2020	39,928.5	1,676,999	2,455,755.96	149,224.42	61.5038		
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	39,928.5	1,676,999	2,455,755.96	149,224.42	61.5038		
Reverse Fuel Balance	****	****	(2,455,756.0)	****			
Fuel Balance @ Avg Price		****		*****			
Total @ 10/01/2020 Avg Price	39,928.5	1,676,999	2,461,324.84	149,224.42	61.6432		
Weighted Avg Cost/BBL by Location			61.5038	3.7373			
Weighted Avg Cost/BBL @ Avg Cost			61.6432	3.7373			

	Р	UNA CT-3					
			COST	LAND	COST PER E	BARREL	
HS Diesel	BBL	GALLONS	EXCLUD LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 08/31/2020	3,141.5	131,943.0	222,675.8	4,568.6			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate Actual		xxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxx					
Transfers out: Estimate Actual		xxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxx					
Transfers in: Estimate Actual	(6,683.5) 6,017.1	(280,707.0) 252,718.0	(419,503.0) 392,575.0	(8,140.5) 7,564.6			
Consumed: Estimate Actual	10,150.2 (7,222.3)	426,309.0 (303,335.0)	564,727.3 (423,509.3)	19,523.2 (13,891.5)			
Balance Per G/L 08/31/2020	5,403.0	226,928	336,965.83	9,624.38			
Purchases	xxxxxxxxx x	****	****	****			
Transfer out	*****	****	****	****			
Transfer in	7,128.8	299,409.0	439,769.3	8,682.9	61.6892		
Consumed	(8,856.1)	(371,957)	(554,265.27)	(12,879.09)	62.5856	1.4543	64.0398
Balance @ 09/30/2020 Inven From Offsite/Transfers Est'd Inventory Addition	3,675.7 0.0 0.0	154,380 0 0	222,469.89 0.00 0.00	5,428.15 0.00 0.00	60.5243		
Fuel Balance @ 09/30/2020	3,675.7	154,380	222,469.89	5,428.15	60.5243		
Reverse Fuel Balance Fuel Balance @ Avg Price		xxxxxxxxxxxxxxxxx xxxxxxxxxxxxxx		xxxxxxxxxxxx xxxxxxxxxxxx			
Total @ 10/01/2020 Avg Price	3,675.7	154,380	226,582.92	5,428.15	61.6432		
Weighted Avg Cost/BBL by Location			60.5243	1.4768			
Weighted Avg Cost/BBL @ Avg Cost			61.6432	1.4768			

	-	TOTAL HILO H	HS-DIESEL				
			COST	LAND	COST PER	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 08/31/2020	1046.5	43,952	62,380	1,616			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate	;	****	*****	****			
Actual	2	*****	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxxxxxxxxx			
Transfers out: Estimate	2	****	xxxxxxxxxxx >	xxxxxxxxxxx			
Actual	2	*****	xxxxxxxxxx >	*****			
Transfers in: Estimate	-567.0	-23813.0		-609.6			
Actual	567.0	23813.0	35651.7	606.4			
Consumed: Estimate	1149.0	48259.0	63928.2	883.7			
Actual	-828.6	-34803.0	-41071.5	-839.6			
Balance Per G/L 08/31/2020	1366.9	57,408	85,245.25	1,656.78	62.3659		
Purchases	*****	****	xxxxxxxxxxx >	****			
Transfer out	*****	****	xxxxxxxxxxx >	****			
Transfer in	1880.1	78966.0	117064.1	2021.5	61.2482		
Consumed	-2235.8	-93902.0	-139926.4	-2693.0	62.5856	1.2045	63.7901
Balance @ 09/30/2020	1,011.2	42,472	62,382.87	985.30	61.6896		
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	1,011.2	42,472	62,382.87	985.30	61.6896		
Reverse Fuel Balance	****	xxxxxxxxxx	-62,382.87 >	<pre></pre>			
Fuel Balance @ Avg Price	*****		-	****			
Total @ 10/01/2020 Avg Price	1,011.2	42,472	62,335.99	985.30	61.6432		
Weighted Avg Cost/BBL by Location			61.6896	0.9743			
Weighted Avg Cost/BBL @ Avg Cost			61.6432	0.9743			

		KEAHOLE ULS	COST	LAND	COST PER BARREL		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
	001	GALLONG					TOTAL
Balance at 08/31/2020	1,929.1	81,024	158,251.01	9,383.35			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	0.0	0	0.00	0.00			
Act ual	188.1	7,900	12,232.39	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxx			
A ctual		XXXXXXXXXXXXX	*****	XXXXXXXXXXXXX			
Transfers in: Estimate		(5)	0.00	(0.37)			
Act ual		42	0.00	587.76			
Consumed: Estimate	171.9	7,220	13,390.39	679.63			
Act ual	(242.6)	(10,189)	(18,896.77)	(904.24)	77.8942		
Balance Per G/L 08/31/2020	2,047.4	85,992	164,977.03	9,746.13	80.5777		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	12,215.05	593.71			
Transfer in	0.9	36	0.00	2.68	0.00		
Consumed	(43.0)	(1,808)	(3,522.13)	(209.38)	81.8195	4.8640	86.6835
Balance @ 09/30/2020	2,195.2	92,200	173,669.94	10,133.14	79.1121		
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	2,195.2	92,200	173,669.94	10,133.14	79.1121		
Reverse Fuel Balance	****	****	(173,669.94)	****			
Fuel Balance @ Avg Price	*****			****			
Total @ 10/01/2020 Avg Price	2,195.2	92,200	170,702.11	10,133.14	77.7602		
Weighted Avg Cost/BBL by Location			79.1121	4.6160			
Weighted Avg Cost/BBL @ Avg Cost							

		WAIMEA DIESE	EL				
			COST	LAND	COST PER BARREI		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		LT	TOTAL
Balance at 08/31/2020	575.4	24,165.0	45,792.7	1,571.36			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,915)	(12,255.63)				
Actual		15,819.0	24,494.2	0.00			
Transfers out: Estimate		****	****	****			
Actual		*****	*****	XXXXXXXXXXXXX			
Transfers in: Estimate	3.3	137	0.00	0.00			
Actual	0.2	10	0.00	980.78			
Consumed: Estimate	436.8	18,344	34,021.24	1,194.14			
Actual	(402.4)	(16,900)	(31,343.16)	(1,100.14)			
Balance Per G/L 08/31/2020	801.4	33,660	60,709.37	2,155.40	75.7514		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	190.0	7,980	12,215.05	494.76			
Transfer in	****	35	0.00	0.00	#DIV/0!		
Consumed	(126.8)	(5,327)	(10,377.43)	(346.39)	81.8195	2.7311	84.5506
Balance @ 09/30/2020	865.4	36,348	62,546.99	2,303.77	72.2728		
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	865.4	36,348	62,546.99	2,303.77	72.2728		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxx	(62,546.99)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	*****	*****	67,295.88	****			
Total @ 10/01/2020 Avg Price	865.4	36,348	67,295.88	2,303.77	77.7602		
Weighted Avg Cost/BBL by Location			72.2728	2.6620			
Weighted Avg Cost/BBL @ Avg Cost			77.7602	2.6620			

	ł	KANOELEHUA	DIESEL			
			COST	LAND		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		
Balance at 08/31/2020	1,013.2	42,554.0	83,742.7	1,043.0	1	
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	х	x		
Actual		х	Х	х		
Transfers in: Estimate		0	0.00	0.00		
Actual		0	0.00	0.00		
Consumed: Estimate	254.3	10,680	19,807.39	427.96		
Actual	(237.4)	(9,971)	(18,492.47)	(399.55)		
Balance Per G/L 08/31/2020	1,030.1	43,263	85,057.65	1,071.37		
ULSD Purchases	188	7,910	12,107.90	202.50	1.53	
Estimated Purchases	0	-	-	-		
Transfer in	0	6	0.00	0.15		
Consumed	(99.7)	(4,187)	(8,156.62)	(102.62)	81.8194555	1.0294
Balance @ 09/30/2020	1,118.9	46,992	89,008.93	1,171.40		
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	1,118.9	46,992	89,008.93	1,171.40		
Reverse Fuel Balance	х	х	(89,008.93)	x		
Fuel Balance @ Avg Price	х	х		x		
Total @ 10/01/2020 Avg Price	1,118.9	46,992	87,002.53	1,171.40		
Weighted Avg Cost/BBL by Location			79.5534	1.0470		
Weighted Avg Cost/BBL @ Avg Cost			77.7602	1.0470		

DISPERSED GENERATION

F

	BBL	GALLONS	COST	COST/BBL
Balance at 08/31/2020	131.8	5,534	10,809.77	
Less: Est'd Inven Addition	0.0	xxxxxxxx	xxxxxxxx	
Purchases: Estimate Actual	0.0 0.0	0 0	0.00 0.00	
Consumed: Estimate Actual		498 (744)		
		xxxxxxxxxxx xxxxxxxxxx		
		xxxxxxxxxxx xxxxxxxxxx		
Balance Per G/L 08/31/2020	125.90	5,288	10,608.19	84.2557
Purchases	58.9	2,473	3,785.48	64.2904
Transfer out	xxxxxxxxx	****	xxxxxxxxxx	
Transfer in	****	****	xxxxxxxxxx	
Consumed	(61.6)	(2,587)	(5,039.69)	81.8195
Balance @ 09/30/2020	123.2	5,174	9,353.98	75.9310
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 09/30/2020	123.2	5,174	9,353.98	
Reverse Fuel Balance Fuel Balance @ Avg Price		xxxxxxxxxxxx xxxxxxxxxxxx	(9,353.98) x: 9,579.31 x:	
Total @ 10/01/2020 Avg Price	123.2	5,174	9,579.31	77.7602

HAWAII ELECTRIC LIGHT COMPANY, INC. CONTRACT PRICES EFFECTIVE September 1, 2020

TYPE OF OIL BURNED				
	Hill Indus	<u>strial</u>	<u>Puna Ind</u>	<u>ustrial</u>
INDUSTRIAL *	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax ¹	54.15	3.4114	54.15	3.4114
Ocean Transportation	47.51	2.9933	47.51	2.9933
Storage	34.07	2.1466	34.07	2.1466
Wharfage	6.35	0.4000	6.35	0.4000
Fees ²	1.43	0.0900	1.43	0.0900
	Hilo Die	esel	Waimea	Diesel
DIESEL *	¢/MBTU	\$/BBL	¢/MBTU	\$/BBL
Tax ¹	68.84	4.0338	68.84	4.0338
Ocean Transportation	51.08	2.9933	51.08	2.9933
Storage	28.41	1.6649	28.41	1.6649
Wharfage	6.83	0.4000	6.83	0.4000
Fees ²	1.54	0.0900	1.54	0.0900
	Kona Di	esel	CT3 Di	esel
	¢/MBTU	\$/BBL	¢/MBTU	\$/BBL
Tax ¹	68.84	4.0338	68.84	4.0338
Ocean Transportation	51.08	2.9933	51.08	2.9933
Storage	28.41	1.6649	28.41	1.6649
Wharfage	6.83	0.4000	6.83	0.4000
Fees ²	1.54	0.0900	1.54	0.0900
	ULS	C		
ULSD **	¢/MBTU	\$/BBL		
Tax ¹	75.69	4.3372		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		
Fees ²	1.57	0.0900		

 ¹ Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST Tax and Environmental Response Tax.
 Federal Oil Spill Recovery Fee reinstated as of January 2020.
 HGET rate changed to 4.7120% in 2020.

² With the change in supplier to PAR some fees have been taken off the pricing sheet.

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 October 1, 2020

		October 1, 2020 (¢/kWh)	Floor Rates (¢/kWh)
PGV (25 MW) PGV (22 MW)	- on peak - off peak	11.490 11.121	6.560 5.430
WAILUKU HYDRO	- on peak off peak	11.490 11.121	7.240 5.970
Other: (<100 KW)	Sch Q Rate	10.990	
		October 1, 2020	Floor Rates

		(¢/kWh)	(¢/kWh)
HEP		13.141	
PGV Addtl 5 MW	- on peak	13.250	0.0000
	- off peak	13.250	0.0000
PGV Addtl 8 MW	- on peak	10.100	0.0000
	- off peak	6.740	0.0000

Hawaii Electric Light Company, Inc. Energy Cost Reconciliation Adjustment October 1, 2020

Line No.	Description	<u>Amount</u>	
1	Amount to be (returned) or collected	\$359,300	
2	Monthly Amount $(^{1}/_{3} \times \text{Line 1})$	\$119,767	
3	Revenue Tax Divisor	0.91115	
4	Total (Line 2 / Line 3)	\$131,446	
5	Estimated MWh Sales (October 1, 2020)	86,227	mwh
6	Adjustment (Line 4 / Line 5)	0.152	¢/kwh

HAWAII ELECTRIC LIGHT COMPANY, INC. 2020 Cumulative Reconciliation Balance

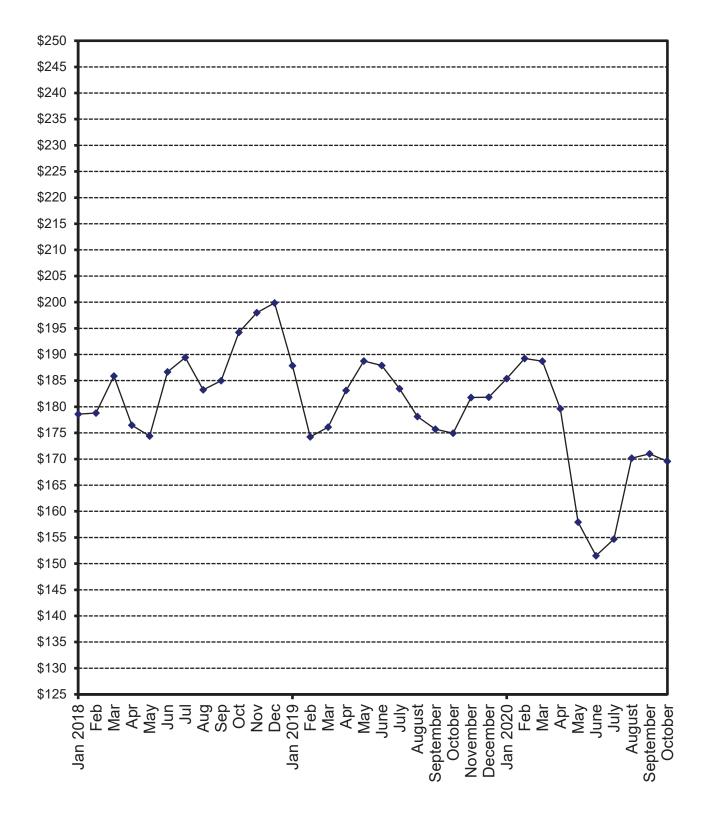
	(1)		(2) FOA Rec	(3) FOA Rec	(4)	(5)	(6) Month-end
	YTD FOA		Adjust	Less	Try to	Actual	Cumulative
<u>Month</u>	Reconciliation	<u>Qtr</u>	Variance	Variance	Collect	Collect	Balance
January 19					(305,667)	(300,243)	32,773
February	2,598,900	[4]	(8,054)	2,606,954	(866,300)	(800,636)	1,839,091
March					(866,300)	(825,091)	1,014,000
April					(866,300)	(829,484)	184,516
May	1,745,900	(1)	112,297	1,633,603	(581,967)	(565,304)	1,252,815
June					(581,967)	(585,631)	667,184
July					(581,967)	(586,240)	80,944
August	3,027,900	[2]	49,815	2,978,085	(1,009,300)	(1,025,775)	2,033,254
September					(1,009,300)	(1,026,151)	1,007,103
October					(1,009,300)	(1,007,209)	(106)
November	1,927,900	[3]	(37,599)	1,965,499	(642,633)	(651,308)	1,314,085
December 1	9				(642,633)	(646,001)	668,084
January 20					(642,633)	(673,144)	(5,060)
February	141,300	[4]	(9,952)	151,252	(47,100)	(45,511)	100,681
March					(47,100)	(46,650)	54,031
April					(47,100)	(40,115)	13,916
May	2,567,100	(1)	(28,472)	2,595,572	(855,700)	(882,167)	1,727,321
June					(855,700)	(879,772)	847,549
July					(855,700)	(862,349)	(14,800)
August	(359,300)	[2]	(43,554)	(315,746)	119,767	114,005	(216,541)
September					119,767		
October					119,767		

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



ATTACHMENT 9A

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

	FUEL FACTOR CENTS / KWH
EFFECTIVE DATE	RESIDENTIAL & RESIDENTIAL BILL (\$) COMMERCIAL @ 500 KWH @ 600 KWH

January 1, 2017 February 1, 2017 March 1, 2017 April 1, 2017 May 1, 2017 June 1, 2017 July 1, 2017 August 1, 2017 September 1, 2017 October 1, 2017 November 1, 2017	-2.842 -2.956 -2.274 -2.425 -3.035 -1.343 -3.220 -3.643 -2.447 -2.131 -0.885 -1.405	$\begin{array}{c} 163.27\\ 162.87\\ 166.31\\ 164.31\\ 160.30\\ 168.82\\ 158.79\\ 160.39\\ 171.52\\ 172.97\\ 177.60\\ 175.02 \end{array}$	195.58 195.09 199.24 196.83 192.02 202.25 190.22 192.15 205.50 207.23 212.80 209.69
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
October 1, 2018	8.359	194.21	232.50
November 1, 2018	8.913	197.99	237.04
December 1, 2018	9.292	199.86	239.29
January 1, 2019 February 1, 2019 March 1, 2019 April 1, 2019 May 1, 2019 June 1, 2019 July 1, 2019 August 1, 2019 September 1, 2019 October 1, 2019 December 1, 2019	$\begin{array}{c} 6.867 \\ 14.631 \\ 14.976 \\ 16.469 \\ 17.396 \\ 17.318 \\ 16.450 \\ 15.331 \\ 14.845 \\ 14.692 \\ 16.302 \\ 16.288 \end{array}$	187.86 174.25 176.1 183.12 188.74 187.89 183.46 178.14 175.70 174.93 181.76 181.82	224.86 208.53 210.75 219.17 225.93 224.90 219.63 213.25 210.32 209.40 217.59 217.67
January 1, 2020	16.768	185.37	221.88
February 1, 2020	17.547	189.22	226.49
March 1, 2020	17.424	188.72	225.90
April 1, 2020	15.644	179.61	214.96
May 1, 2020	11.215	157.94	188.96
June 1, 2020	10.575	151.51	181.25
July 1, 2020	11.359	154.68	185.07
August 1, 2020	14.389	170.16	203.65
September 1, 2020	14.569	171.01	204.67
October 1, 2020	14.274	169.56	202.93

HAWAII ELECTRIC LIGHT COMPANY, INC. RESIDENTIAL SURCHARGE DATA

		RATE
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
10/01/18-10/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.8602 CENTS/KWH
10/1/2018 10/1/2018	INTERIM RATE INCREASE 2016	0.0000 PERCENT ON BASE
	FINAL RATE INCREASE (TY 2016) 0.53% EFFECTIVE 10/	
11/1/2018-11/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.0617 CENTS/KWH
12/1/2018-12/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.0577 CENTS/KWH
1/1/2019-1/31/19 1/1/2019- 06/30/19	PURCHASED POWER ADJUSTMENT CLAUSE GREEN INFRASTRUCTURE FEE	2.0548 CENTS/KWH 1.3500 DOLLARS/MONTH
2/1/2019-2/28/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8113 CENTS/KWH
3/1/2019-3/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8372 CENTS/KWH
04/1/2019-4/30/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8247 CENTS/KWH
04/1/19-04/30/19	SOLARSAVER ADJUSTMENT	-0.0768 CENTS/KWH
05/01/2019-5/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9460 CENTS/KWH
05/01/2019-03/31/2020	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/2019-6/30/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9474 CENTS/KWH
6/1/2019-12/31/2019	RBA RATE ADJUSTMENT	0.9069 CENTS/KWH
7/01/2019-7/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9539 CENTS/KWH
7/1/2019-12/31/2019	GREEN INFRASTRUCTURE FEE	1.1700 DOLLARS/MONTH
7/1/2019-12/31/2019	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4775 CENTS/KWH
8/1/2019-8/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0075 CENTS/KWH
9/1/2019-9/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0060 CENTS/KWH
10/1/2019-10/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0069 CENTS/KWH
11/1/2019-11/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	1.7616 CENTS/KWH
12/1/2019-12/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	1.7884 CENTS/KWH
1/1/2020-1/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7730 CENTS/KWH
1/1/2020-6/30/2020	GREEN INFRASTRUCTURE FEE	1.2500 DOLLARS/MONTH
1/1/2020- 05/31/2020	RBA RATE ADJUSTMENT	0.1852 CENTS/KWH
1/1/2020	INTERIM RATE ADJUSTMENT 2019	4.0900 PERCENT ON BASE
1/1/2020-6/30/2020	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7437 CENTS/KWH
2/1/2020- 2/29/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7631 CENTS/KWH
3/1/2020- 3/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7883 CENTS/KWH
4/1/2020- 4/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7717 CENTS/KWH
4/1/2020- 4/30/2020	SOLARSAVER ADJUSTMENT	-0.0267 CENTS/KWH
05/01/2020-5/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8396 CENTS/KWH
5/1/2020	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/2020-6/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8413 CENTS/KWH
6/1/2020	RBA RATE ADJUSTMENT	-0.4623 CENTS/KWH
07/01/2020-7/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8592 CENTS/KWH
7/1/2020	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5882 CENTS/KWH
7/1/2020		1.1900 DOLLARS/MONTH
8/1/2020-8/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9261 CENTS/KWH
9/1/2020-9/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9161 CENTS/KWH
10/1/2020-10/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9222 CENTS/KWH

**Base charges include customer charge, demand charge, energy charge, power factor adjustment, voltage discount, and minimum charge.

	Rate			Charge (\$) at 500 Kwh		
		9/01/20	10/01/20	9/01/20	10/01/20	Difference
Base Rates	effective date:	2/1/2019	2/1/2019			
Base Fuel Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$71.85	\$71.85	\$0.00
First 300 kWh per month	¢/kwh	13.0289	13.0289	\$39.09	\$39.09	\$0.00
Next 700 kWh per month	¢/kwh	16.3807	16.3807	\$32.76	\$32.76	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$83.35	\$83.35	\$0.00
Interim Rate Adjustment 2019 TY	% on base	4.0900%	4.0900%	\$3.41	\$3.41	\$0.00
RBA Rate Adjustment	¢/kwh	(0.4623)	(0.4623)	-\$2.31	-\$2.31	\$0.00
Purchased Power Adj. Clause	¢/kwh	1.9161	1.9222	\$9.58	\$9.61	\$0.03
PBF Surcharge	¢/kwh	0.5882	0.5882	\$2.94	\$2.94	\$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 Recovery	¢/kwh	14.5690	14.2740	\$72.85	\$71.37	-\$1.48
Green Infrastructure Fee	\$	1.1900	1.1900	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 500 kwh				\$171.01	\$169.56	

Calculations of the Average Residential Customer Bill

Increase (Decrease -) % Change

-\$1.45 -0.85%

	Rate			Charge (\$) at 600 Kwh		
		9/01/20	10/01/20	9/01/20	10/01/20	Difference
Base Rates	effective date:	2/1/2019	2/1/2019			
Base Fuel/Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$88.23	\$88.23	\$0.00
First 300 kWh per month	¢/kwh	13.0289	13.0289	\$39.09	\$39.09	\$0.00
Next 700 kWh per month	¢/kwh	16.3807	16.3807	\$49.14	\$49.14	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$99.73	\$99.73	\$0.00
Interim Rate Adjustment 2019 TY	% on base	4.0900%	4.0900%	\$4.08	\$4.08	\$0.00
RBA Rate Adjustment	¢/kwh	(0.4623)	(0.4623)	-\$2.77	-\$2.77	\$0.00
Purchased Power Adj. Clause	¢/kwh	1.9161	1.9222	\$11.50	\$11.53	\$0.03
PBF Surcharge	¢/kwh	0.5882	0.5882	\$3.53	\$3.53	\$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 Recovery	¢/kwh	14.5690	14.2740	\$87.41	\$85.64	-\$1.77
Green Infrastructure Fee	\$	1.1900	1.1900	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 600 kwh				\$204.67	\$202.93	

Increase (Decrease -) % Change

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