



June 28, 2022

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 July 2022

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") Energy Cost Recovery factor for July 2022 is 30.355 cents per kilowatt-hour ("kWh"), a decrease of 0.810 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$259.50, a decrease of \$3.98 compared to rates effective June 1, 2022. The decrease in the residential bill is due to the decrease in the Energy Cost Recovery Factor (-\$4.05) and the decrease in the Green Infrastructure Fee (-\$0.07), partially offset by the increase in the Purchased Power Adjustment Clause rate (+\$0.14).

Hawai'i Electric Light's fuel composite cost of generation increased 27.59 cents per million BTU to 2,405.26 cents per million BTU. The composite cost of distributed generation increased 1.138 cents per kWh to 21.462 cents per kWh. The composite cost of purchased energy decreased 1.867 cents per kWh to 21.383 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 July 1, 2022.

Very truly yours,

/s/ Dean K. Matsuura

Dean K. Matsuura  
Director, Regulatory Rate Proceedings

Attachments

cc: Division of Consumer Advocacy

## HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>6/01/22</u>	<u>7/01/22</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	2,377.67	2,405.26	27.59
Dispersed Generation Energy, ¢/kWh	20.324	21.462	1.138
Purchased Energy, ¢/kWh	23.250	21.383	(1.867)
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	31.165	30.355	(0.810)
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	31.165	30.355	(0.810)
Residential Customer with:			
500 KWH Consumption - \$/Bill	263.48	\$259.50	(\$3.98)
600 KWH Consumption - \$/Bill	315.62	\$310.86	(\$4.76)

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

ENERGY COST RECOVERY (ECR) FILING - July 1, 2022 (Page 1 of 2)

Line		
1	Effective Date	July 1, 2022
2	Supercedes Factors of	June 1, 2022

**GENERATION COMPONENT**

<b>CENTRAL STATION WITH WIND/HYDRO COMPONENT</b>							
FUEL PRICES, ¢/mmbtu							
3							
4	Hill Industrial			1,791.52			
5	Puna Industrial			1,816.77			
6	Keahole Diesel			2,963.75			
6a	Keahole ULSD			2,149.19			
7	Waimea ULSD Diesel			2,139.57			
8	Hilo Diesel			2,926.69			
8a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>			2,108.99			
9	Puna Diesel			2,910.20			
10	Wind			0.00			
11	Hydro			0.00			
BTU MIX, %							
12							
13	Hill Industrial			32.143			
14	Puna Industrial			13.872			
15	Keahole Diesel			45.452			
15a	Keahole ULSD			0.361			
16	Waimea ULSD Diesel			1.128			
17	Hilo Diesel			0.426			
17a	Hilo (Kanoelehua) ULSD Diesel <sup>1</sup>			0.176			
18	Puna Diesel			6.263			
19	Wind			0.000			
20	Hydro			0.180			
				<b>100.00000</b>			
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu			2,405.26			
22	% Input to System kWh Mix			51.786			
EFFICIENCY FACTOR, mmbtu/kWh							
	(A)	(B)	(C)	(D)			
		Eff Factor	Percent of	Weighted			
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Centrl Stn +</u>	<u>Eff Factor</u>			
23	Industrial	0.014970	46.015	0.006888			
24	Diesel	0.010915	53.805	0.005873			
25	Other	0.012426	0.180	0.000022			
	(Lines 23, 24, 25): Col(B) x Col(C) = Col(D)		100.0000				
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0127830			
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			15.92235			
28	BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu			0.00			
29	Base % Input to Sys kWh Mix			0.00			
30	Efficiency Factor, mmbtu/kwh			0.000000			
31	WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))			0.00000			
32	COST LESS BASE (Line 27 - 31)			15.92235			
33	Revenue Tax Req Multiplier			1.0975			
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			17.47478			
					<b>DG ENERGY COMPONENT</b>		
35	COMPOSITE COST OF DG ENERGY, ¢/kWh			21.462			
36	% Input to System kWh Mix			0.471			
37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)			0.10109			
38	BASE DG ENERGY COMPOSITE COST			0.000			
39	Base % Input to System kWh Mix			0.00			
40	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39)			0.00000			
41	Cost Less Base (Line 37 - 40)			0.10109			
42	Loss Factor			1.062			
43	Revenue Tax Req Multiplier			1.0975			
44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)			0.11782			
					<b>SUMMARY OF</b>		
					TOTAL GENERATION FACTOR, ¢/kWh		
45	Cntrl Stn+Wind/Hydro (line 34)			17.47478			
46	DG (line 44)			0.11782			
47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)			17.59260			

<sup>1</sup> Hilo ULSD same location as Kanoelehua ULSD



**Hawaii Electric Light Company, Inc.**  
FUEL OIL INVENTORY PRICES FOR July 1, 2022

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	112.8655	112.8655
Land Transportation Cost - \$/BBL	--	1.5909
	<hr/>	
Industrial Costs For Filing - \$/BBL	112.8655	114.4564
Conversion Factors - mmbtu/BBL	6.30	6.30
	<hr/>	
Industrial Costs For Filing - ¢/mmbtu	<u>1,791.52</u>	<u>1,816.77</u>

**DIESEL FUEL COSTS:**

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	170.2401	170.2401	170.2401
Land Transportation Cost - \$/BBL	3.4358	0.2978	1.2636
	<hr/>		
Diesel Costs For Filing - \$/BBL	173.6759	170.5379	171.5038
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
	<hr/>		
Diesel Costs For Filing - ¢/mmbtu	<u>2,963.75</u>	<u>2,910.20</u>	<u>2,926.69</u>

**ULSD FUEL COSTS:**

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	119.5792	119.5792	119.5792	119.5792
Land Transportation Cost - \$/BBL	3.5694	3.0180	1.2660	-
	<hr/>			
ULSD Costs For Filing - \$/BBL	123.1485	122.5971	120.8451	119.5792
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
	<hr/>			
ULSD Costs For Filing - ¢/mmbtu	<u>2,149.19</u>	<u>2,139.57</u>	<u>2,108.99</u>	<u>2,086.90</u>

**Dispersed Generation, cents per kWh**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	805.8607
\$/BBI Inv Cost:	119.5792
	<hr/>
Fuel \$ (Prod Sim Consumption x Unit Cost)	96,364.14
Net kWh (from Prod Sim)	449,000
cents/kWh:	21.462

HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
June 2022

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 05/31/2022	0	0.00	34,718	4,361,762.66			
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	(34,091)	(4,177,998.01)			
Actual	0	0.00	30,384	3,086,813.83			
Consumed: Estimate	0	0.00	34,028	3,651,885.79			
Actual	0	0.00	(26,383)	(2,562,411.85)			
Balance Per G/L 05/31/2022	0	0.00	38,656	4,360,052.42			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	13,793	1,574,462.12			
Consumed	0	0.00	(14,705)	(1,817,954.15)	106.5901	0.0000	106.5901
Balance @ 06/30/2022	0	0.00	37,744	4,116,560.39			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 06/30/2022	0	0.00	37,744	4,116,560.39			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(4,116,560.39)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	4,259,994.47			
Total @ 07/01/2022 Avg Price	0	0.00	37,744	4,259,994.47			

Weighted Avg Cost/BBL by Location #DIV/0! 109.0653

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 112.8655

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2022

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 05/31/2022	9,553	1,057,335.70	15,197.79			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers out: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Consumed: Estimate	0	0.00	0.00			
Actual	0	20,157.60	0.00			
Balance Per G/L 05/31/2022	9,553	1,077,493.30	15,197.79			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	0	0	0.00			
Consumed	0	0.00	0.00	123.6283	1.5909	125.2192
Balance @ 06/30/2022	9,553	1,077,493.30	15,197.79			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	9,553	1,077,493.30	15,197.79		1.5909	
Reverse Fuel Balance	XXXXXXXXXXXX	(1,077,493.30)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	1,078,203.88	XXXXXXXXXXXX			
Total @ 07/01/2022 Avg Price	9,553	1,078,203.88	15,197.79			

Weighted Avg Cost/BBL by Location

112.7911

1.5909

Weighted Avg Cost/BBL @ Avg Cost

112.8655

1.5909

HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
June 2022

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCLUD LT	BARREL LT	TOTAL
Balance at 05/31/2022	47,004.3	1,974,182.0	7,494,945.6	176,834.3			
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	(50,564.8)	(2,123,723.0)	(7,950,992.7)	(184,318.9)			
Actual	48,883.8	2,053,118.0	7,516,946.6	173,282.48			
Consumed: Estimate	48,185.5	2,023,790.0	6,852,694.0	165,008.25			
Actual	(45,842.7)	(1,925,395.0)	(6,347,783.7)	(161,072.5)	138.4687		
Balance Per G/L 05/31/2022	47,666.0	2,001,972	7,565,809.75	169,733.55	158.7255		
Purchases	xxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer in	39,335.5	1,652,091.0	6,536,955.3	143,385.8	166.1846		
Consumed	(43,517.7)	(1,827,745.0)	(6,872,060.1)	(163,718.08)	157.9140	3.7621	161.6761
Balance @ 06/30/2022	43,483.8	1,826,318	7,230,704.96	149,401.23	166.2852		
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	43,483.8	1,826,318	7,230,704.96	149,401.23	166.2852		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxxxxxxxx	(7,230,705.0)	xxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxx	xxxxxxxxxxxxxxxx	7,402,680.8	xxxxxxxxxxxxxxxx			
Total @ 07/01/2022 Avg Price	43,483.8	1,826,318	7,402,680.83	149,401.23	170.2401		

Weighted Avg Cost/BBL by Location 166.2852 3.4358

Weighted Avg Cost/BBL @ Avg Cost 170.2401 3.4358



HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
June 2022

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 05/31/2022	5,471.4	229,797.0	909,093.2	8,545.6			
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	(8,996.0)	(377,831.0)	(1,403,539.7)	(12,759.0)			
Actual	10,468.7	439,687.0	1,569,586.3	13,359.2			
Consumed: Estimate	9,562.5	401,623.0	1,359,923.5	12,692.9			
Actual	(12,704.0)	(533,568.0)	(1,831,498.2)	(16,762.3)			
Balance Per G/L 05/31/2022	3,802.6	159,708	603,565.06	5,076.35			
Purchases		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	19,605.2	823,417.0	3,356,545.8	27,806.0	171.2072		
Consumed	(22,170.2)	(931,149)	(3,500,987.2)	(34,627.66)	157.9140	1.5619	#####
Balance @ 06/30/2022	3,124.1	131,212	786,407.80	930.42	251.7234		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 06/30/2022	3,124.1	131,212	786,407.80	930.42	251.7234		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXXXX	(786,407.80)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXXXX	531,846.35	XXXXXXXXXXXXXXXXXXXX			
Total @ 07/01/2022 Avg Price	3,124.1	131,212	531,846.35	930.42	170.2401		

Weighted Avg Cost/BBL by Location 251.7234 0.2978

Weighted Avg Cost/BBL @ Avg Cost 170.2401 0.2978

HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
June 2022

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 05/31/2022	1300.7	54,629	206,484	1,641			
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	-756.0	-31750.0	-127702.3	-946.5			
Actual	755.9	31748.0	125747.8	944.8			
Consumed: Estimate	618.9	25992.0	88010.7	784.6			
Actual	-486.5	-20435.0	-65094.2	-609.4			
Balance Per G/L 05/31/2022	1433.0	60,184	227,446.09	1,814.17	158.7255		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	378.0	15878.0	64984.7	473.3	#DIV/0!		
Consumed	-430.0	-18060.0	-67903.0	-542.4	157.9140	1.2614	159.1754
Balance @ 06/30/2022	1,381.0	58,002	224,527.78	1,745.08	162.5835		
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	1,381.0	58,002	224,527.78	1,745.08	162.5835		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -224,527.78	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 235,101.61	XXXXXXXXXXXX			
Total @ 07/01/2022 Avg Price	1,381.0	58,002	235,101.61	1,745.08	170.2401		

Weighted Avg Cost/BBL by Location

162.5835 1.2636

Weighted Avg Cost/BBL @ Avg Cost

170.2401 1.2636

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2022

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 05/31/2022	2,326.0	97,690	258,114.88	8,224.02			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(30,643.20)	(692.59)			
Actual	188.8	7,929	31,833.27	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		189	0.00	16.40			
Actual		(446)	0.00	688.16			
Consumed: Estimate	135.2	5,678	14,409.59	485.06			
Actual	(119.3)	(5,012)	(6,065.23)	(408.23)	50.8259		
Balance Per G/L 05/31/2022	2,334.5	98,048	267,649.31	8,312.82	114.6507		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	32,957.40	692.59			
Transfer in	(4.3)	(182)	0.00	(15.80)	0.00		
Consumed	(170.0)	(7,140)	(19,250.92)	(601.09)	113.2407	3.5358	116.7765
Balance @ 06/30/2022	2,350.1	98,706	281,355.79	8,388.53	119.7186		
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	2,350.1	98,706	281,355.79	8,388.53	119.7186		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(281,355.79)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	281,028.10	xxxxxxxxxxxx			
Total @ 07/01/2022 Avg Price	2,350.1	98,706	281,028.10	8,388.53	119.5792		

Weighted Avg Cost/BBL by Location

119.7186 3.5694

Weighted Avg Cost/BBL @ Avg Cost

119.5792 3.5694

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2022

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 05/31/2022	794.7	33,377.0	94,632.1	2,380.81			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(30,643.20)	(576.71)			
Actual		7,920.0	31,797.1	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(2.0)	(85)	0.00	0.00			
Actual	3.4	141	0.00	572.37			
Consumed: Estimate	234.5	9,851	24,999.81	702.17			
Actual	(198.6)	(8,340)	(25,560.24)	(573.14)			
Balance Per G/L 05/31/2022	830.6	34,884	95,225.59	2,505.50	114.6507		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	190.0	7,980	32,957.40	576.71			
Transfer in	xxxxxxxxxxxx	59	0.00	0.00	#DIV/0!		
Consumed	(95.0)	(3,990)	(10,757.87)	(284.61)	113.2407	2.9959	116.2366
Balance @ 06/30/2022	927.0	38,933	117,425.12	2,797.60	126.6754		
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	927.0	38,933	117,425.12	2,797.60	126.6754		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(117,425.12)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	110,847.03	xxxxxxxxxxxx			
Total @ 07/01/2022 Avg Price	927.0	38,933	110,847.03	2,797.60	119.5792		
Weighted Avg Cost/BBL by Location			126.6754	3.0180			
Weighted Avg Cost/BBL @ Avg Cost			119.5792	3.0180			

HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
June 2022

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 05/31/2022	1,305.8	54,844.0	149,219.7	1656.0
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(190.0)	(7,980)	(30,643.20)	(237.88)
Actual	188.6	7,923	31,809.20	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		0	0.00	0.00
Actual		(7)	0.00	236.18
Consumed: Estimate	82.8	3,477	8,823.91	105.14
Actual	(72.5)	(3,044)	(8,490.31)	(95.08)
Balance Per G/L 05/31/2022	1,314.6	55,213	150,719.26	1,664.33
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	0	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(43.5)	(1,827)	(4,925.97)	(55.17)
Balance @ 06/30/2022	1,271.1	53,386	145,793.29	1,609.16
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	1,271.1	53,386	145,793.29	1,609.16
Reverse Fuel Balance	x	x	(145,793.29)	x
Fuel Balance @ Avg Price	x	x	151,996.50	x
Total @ 07/01/2022 Avg Price	1,271.1	53,386	151,996.50	1,609.16

Weighted Avg Cost/BBL by Location

114.6990 1.2660

Weighted Avg Cost/BBL @ Avg Cost

119.5792 1.2660

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
June 2022

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 05/31/2022	101.7	4,273	10,808.72	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	0.0	0	0.00	
Actual	44.2	1,856	7,451.50	
Consumed: Estimate	17.5	733	1,860.20	
Actual	(13.0)	(548)	(2,884.60)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 05/31/2022	150.33	6,314	17,235.82	114.6507
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(6.0)	(254)	(684.84)	113.2407
Balance @ 06/30/2022	144.3	6,060	16,550.98	114.7098
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 06/30/2022	144.3	6,060	16,550.98	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(16,550.98)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	17,253.56	xxxx
Total @ 07/01/2022 Avg Price	144.3	6,060	17,253.56	119.5792

**Hawaii Electric Light Company, Inc.**  
PURCHASED POWER PRICES FOR July 1, 2022

		<u>July 1, 2022</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	28.563	6.560
PGV (22 MW)	- off peak	29.464	5.430
WAILUKU HYDRO	- on peak	28.563	7.240
	off peak	29.464	5.970
Other: (<100 KW)	Sch Q Rate	28.490	
		<u>July 1, 2022</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		36.316	
PGV Addtl 5 MW	- on peak	13.650	0.0000
	- off peak	13.650	0.0000
PGV Addtl 8 MW	- on peak	6.940	0.0000
	- off peak	6.940	0.0000

**Hawaii Electric Light Company, Inc.**  
**Energy Cost Reconciliation Adjustment**  
July 1, 2022

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	\$2,364,200
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	\$788,067
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$864,914
5	Estimated MWh Sales (July 1, 2022)	89,055 mwh
6	Adjustment (Line 4 / Line 5)	0.971 ¢/kwh



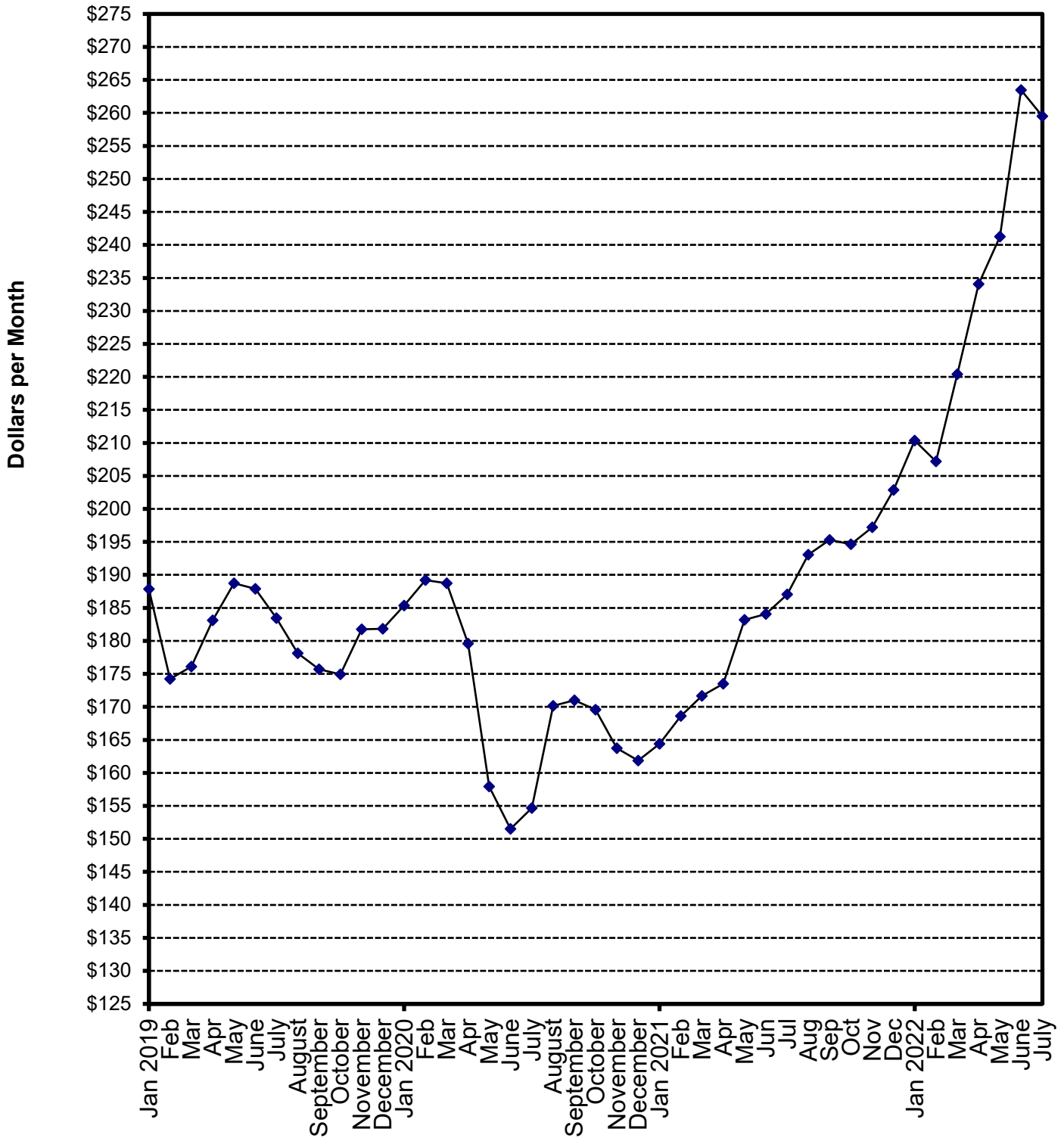
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2022 Cumulative Reconciliation Balance

<u>Month</u>	<u>(1)</u> YTD FOA Reconciliation	<u>Qtr</u>	<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
January 21					(261,333)	(275,071)	12,258
February 21	374,300	[4]	(9,409)	383,709	(124,767)	(125,584)	270,383
March					(124,767)	(134,386)	135,997
April					(124,767)	(131,121)	4,876
May	(707,400)	(1)	(24,174)	(683,226)	235,800	261,182	(417,168)
June					235,800	262,654	(154,514)
July					235,800	253,310	98,796
August	(80,900)	[2]	45,882	(126,782)	26,967	29,218	1,232
September					26,967	28,336	29,568
October					26,967	27,747	57,315
November	(794,600)	[3]	21,130	(815,730)	264,867	280,992	(477,423)
December					264,867	292,531	(184,892)
January 22					264,867	270,827	85,935
February 22	(849,900)	[4]	44,569	(894,469)	283,300	291,654	(516,880)
March					283,300	304,924	(211,956)
April					283,300	310,129	98,173
May	(2,364,200)	[1]	35,938	(2,400,138)	788,067	865,010	(1,436,955)
June					788,067		
July					788,067		

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 &amp; COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>@ 600 KWH</u>	
January 1, 2019	6.867	187.86	224.86	
February 1, 2019	14.631	174.25	208.53	
March 1, 2019	14.976	176.1	210.75	
April 1, 2019	16.469	183.12	219.17	
May 1, 2019	17.396	188.74	225.93	
June 1, 2019	17.318	187.89	224.90	
July 1, 2019	16.450	183.46	219.63	
August 1, 2019	15.331	178.14	213.25	
September 1, 2019	14.845	175.70	210.32	
October 1, 2019	14.692	174.93	209.40	
November 1, 2019	16.302	181.76	217.59	
December 1, 2019	16.288	181.82	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	
November 1, 2020	13.426	163.74	195.96	
December 1, 2020	13.032	161.87	193.70	
January 1, 2021	13.543	164.41	196.74	
February 1, 2021	14.523	168.63	201.81	
March 1, 2021	15.091	171.67	205.45	
April 1, 2021	15.486	173.51	207.68	
May 1, 2021	16.982	183.19	219.28	
June 1, 2021	16.726	184.08	220.35	
July 1, 2021	17.040	187.04	223.92	
August 1, 2021	18.134	193.08	231.16	
September 1, 2021	18.588	195.30	233.83	
October 1, 2021	18.447	194.63	233.01	
November 1, 2021	19.470	197.22	236.14	
December 1, 2021	20.549	202.87	242.91	
January 1, 2022	20.942	210.36	251.90	
February 1, 2022	20.361	207.20	248.09	
March 1, 2022	22.943	220.40	263.93	
April 1, 2022	25.717	234.05	280.30	
May 1, 2022	27.068	241.26	288.97	
June 1, 2022	31.165	263.48	315.62	
July 1, 2022	30.355	259.50	310.86	

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
1/1/2020-10/31/2020	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 -3/31/2021	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/2020-6/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8413 CENTS/KWH
6/1/2020-5/31/2021	RBA RATE ADJUSTMENT	-0.4623 CENTS/KWH
07/01/2020-7/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8592 CENTS/KWH
7/1/2020- 6/30/2021	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5882 CENTS/KWH
7/1/2020	GREEN INFRASTRUCTURE FEE	1.19 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
11/1/2020-11/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9106 CENTS/KWH
<b>11/1/2020</b>	<b>Final Rates (TY2019), Docket No. 2018-0368, Order No. 37395</b>	
12/1/2020-12/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9291 CENTS/KWH
1/1/2021-1/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.9133 CENTS/KWH
1/1/2021-6/30/2021	GREEN INFRASTRUCTURE FEE	1.25 DOLLARS/MONTH
2/1/2021-2/28/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.7782 CENTS/KWH
3/1/2021-3/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.8172 CENTS/KWH
4/1/2021-4/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	1.7966 CENTS/KWH
4/1/2021-4/30/2021	SOLARSAVER ADJUSTMENT	-0.0033 CENTS/KWH
5/1/2021-5/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2319 CENTS/KWH
5/1/2021-3/31/2022	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2021-6/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2333 CENTS/KWH
6/1/2021-12/31/2021	RBA RATE ADJUSTMENT	-0.0299 CENTS/KWH
7/1/2021-12/31/2021	GREEN INFRASTRUCTURE FEE	1.19 DOLLARS/MONTH
7/1/2021-7/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4649 CENTS/KWH
7/1/2021-06/30/2022	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.6478 CENTS/KWH
8/1/2021-8/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4876 CENTS/KWH
8/1/2021-10/31/2021	RESIDENTIAL DSM ADJUSTMENT	0.0893 CENTS/KWH
9/1/2021-9/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4776 CENTS/KWH
10/1/2021-10/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4838 CENTS/KWH
11/1/2021-11/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.0761 CENTS/KWH
11/1/2021	RESIDENTIAL DSM ADJUSTMENT	-0.0051 CENTS/KWH
12/1/2021-12/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.1263 CENTS/KWH
1/1/2022-06/30/2022	GREEN INFRASTRUCTURE FEE	1.25 DOLLARS/MONTH
1/1/2022-5/31/2022	RBA RATE ADJUSTMENT	1.0380 CENTS/KWH
1/1/2022-1/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1529 CENTS/KWH
2/1/2022-2/28/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.0987 CENTS/KWH
2/1/2022- 4/30/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0043 CENTS/KWH
3/1/2022-3/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1564 CENTS/KWH
4/1/2022-4/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1141 CENTS/KWH
4/1/2022-4/30/2022	SOLARSAVER ADJUSTMENT	-0.0011 CENTS/KWH
5/1/2022-5/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2917 CENTS/KWH
<b>5/1/2022</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
<b>5/1/2022</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>-0.0912 CENTS/KWH</b>
6/1/2022-6/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.3052 CENTS/KWH
<b>6/1/2022</b>	<b>RBA RATE ADJUSTMENT</b>	<b>1.3708 CENTS/KWH</b>
<b>7/1/2022-7/31/2022</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.3333 CENTS/KWH</b>
<b>7/1/2022-12/31/2022</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.18 DOLLARS/MONTH</b>
<b>7/1/2022</b>	<b>RESIDENTIAL PBF SURCHARGE ADJUSTMENT</b>	<b>0.6488 CENTS/KWH</b>

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

## Calculations of the Average Residential Customer Bill

	Rate		Charge (\$) at 500 Kwh		
	6/01/22	7/01/22	6/01/22	7/01/22	Difference
<b>Base Rates</b>					
effective date:	11/01/2020	11/01/2020			
Base Fuel Energy Charge	¢/kwh	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh	-	\$73.74	\$73.74	\$0.00
First 300 kWh per month	¢/kwh	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	\$33.52	\$33.52	\$0.00
Customer Charge	\$	11.50	\$11.50	\$11.50	\$0.00
<b>Total Base Charges</b>			\$85.24	\$85.24	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	1.3708	\$6.85	\$6.85	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.3052	\$11.53	\$11.67	\$0.14
<b>PBF Surcharge</b>	¢/kwh	0.6478	\$3.24	\$3.24	\$0.00
<b>DSM Adjustment</b>	¢/kwh	(0.0912)	-\$0.46	-\$0.46	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	31.1650	\$155.83	\$151.78	-\$4.05
<b>Green Infrastructure Fee</b>	\$	1.25	\$1.25	\$1.18	-\$0.07
<b>Avg Residential Bill at 500 kwh</b>			\$263.48	\$259.50	
			Increase (Decrease -)		-\$3.98
			% Change		-1.51%

	Rate		Charge (\$) at 600 Kwh		
	6/01/22	7/01/22	6/01/22	7/01/22	Difference
<b>Base Rates</b>					
effective date:	11/01/2020	11/01/2020			
Base Fuel/Energy Charge	¢/kwh	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh	-	\$90.49	\$90.49	\$0.00
First 300 kWh per month	¢/kwh	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	\$50.27	\$50.27	\$0.00
Customer Charge	\$	11.50	\$11.50	\$11.50	\$0.00
<b>Total Base Charges</b>			\$101.99	\$101.99	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	1.3708	\$8.22	\$8.22	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.3052	\$13.83	\$14.00	\$0.17
<b>PBF Surcharge</b>	¢/kwh	0.6478	\$3.89	\$3.89	\$0.00
<b>DSM Adjustment</b>	¢/kwh	(0.0912)	-\$0.55	-\$0.55	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	31.1650	\$186.99	\$182.13	-\$4.86
<b>Green Infrastructure Fee</b>	\$	1.25	\$1.25	\$1.18	-\$0.07
<b>Avg Residential Bill at 600 kwh</b>			\$315.62	\$310.86	
			Increase (Decrease -)		-\$4.76
			% Change		-1.51%

## Phillipson, Yvonne

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**From:** puc@hawaii.gov  
**Sent:** Tuesday, June 28, 2022 8:20 AM  
**To:** Phillipson, Yvonne  
**Subject:** Hawaii PUC eFiling Confirmation of Filing

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