

June 28, 2023

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 2023

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light" or "Company") Energy Cost Recovery factor for July 2023 is 20.355 cents per kilowatt-hour ("kWh"), a decrease of 0.922 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$215.94, a decrease of \$4.09 compared to rates effective June 1, 2023. The decrease in the residential bill is due to the decrease in the Energy Cost Recovery Factor (-\$4.61) and decrease in the Green Infrastructure Fee (-\$0.05), partially offset by the increase in the Purchased Power Adjustment Clause rate (+\$0.17), increase in the PBF Surcharge (+\$0.36), and the increase in the impact of the RBA Rate Adjustment (+\$0.04).

Hawai'i Electric Light's fuel composite cost of generation decreased (-45.19) cents per million BTU to 1,841.18 cents per million BTU. The composite cost of distributed generation decreased (-0.470) cents per kWh to 25.820 cents per kWh. The composite cost of purchased energy decreased (-0.203) cents per kWh to 13.922 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, 2023.

Very truly yours,

/s/ Dean K. Matsuura

Dean K. Matsuura Director, Regulatory Rate Proceedings

Attachments

cc: Division of Consumer Advocacy

ATTACHMENT 1

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

EFFECTIVE DATES

	<u>6/01/23</u>	<u>7/01/23</u>	<u>Change</u>
Composite Cost			
Generation, ¢/mmbtu Dispersed Generation Energy, ¢/kWh Purchased Energy, ¢/kWh	1,886.37 26.290 14.125	1,841.18 25.820 13.922	(45.19) (0.470) (0.203)
Residential Schedule "R"			
Energy Cost Recovery - ¢/kWh	21.277	20.355	(0.922)
Others - "G,J,P,F"			
Energy Cost Recovery - ¢/kWh	21.277	20.355	(0.922)
Residential Customer with:			
500 KWH Consumption - \$/Bill 600 KWH Consumption - \$/Bill	220.03 263.44	\$215.94 \$258.54	(\$4.09) (\$4.90)

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

ENERGY COST RECOVERY (ECR) FILING - July 1, 2023 (Page 1 of 2)

- Line 1 Effective Date 2 Supercedes Factors of July 1, 2023 June 1, 2023

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPO	NENT		
FUEL PRICES, ¢/mmbtu			
3			
4 Hill Industrial	1,595.90		
5 Puna Industrial	1,620.46		
6 Keahole Diesel	2,160.47		
6a Keahole ULSD	2,537.63		
7 Waimea ULSD Diesel	2,528.62		
8 Hilo Diesel	2,114.71		
-			
8a Hilo (Kanoelehua) ULSD Diesel ¹	2,494.46		
9 Puna Diesel	2,122.64	DG ENERGY COMPONENT	
10 Wind	0.00	35 COMPOSITE COST OF DG	
11 Hydro	0.00	ENERGY, ¢/kWh	25.820
		36 % Input to System kWh Mix	0.134
BTU MIX, %			
12		37 WEIGHTED COMPOSITE DG ENERGY COST,	
13 Hill Industrial	41.846	¢/kWh (Lines 35 x 36)	0.03460
14 Puna Industrial	5.421	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
15 Keahole Diesel	48.229	38 BASE DG ENERGY COMPOSITE COST	0.000
15a Keahole ULSD	0.016		0.000
16 Waimea ULSD Diesel	0.124	39 Base % Input to System kWh Mix	0.00
			0.00
	0.011	40 WEIGHTED BASE DG ENERGY COST,	
17a Hilo (Kanoelehua) ULSD Diesel ¹	0.002	¢/kWh (Line 38 x 39)	0.00000
18 Puna Diesel	1.871		
19 Wind	0.000	41 Cost Less Base (Line 37 - 40)	0.03460
20 Hydro	2.480	42 Loss Factor	1.062
	100.00000	43 Revenue Tax Reg Multiplier	1.0975
21 COMPOSITE COST OF GENERATION,		44 DG FACTOR, ¢/kWh	
CENTRAL STATION + WIND/HYDRO ¢/mmbtu	1,841.18	(Line 41 x 42 x 43)	0.04033
22 % Input to System kWh Mix	47.045		
		check	
EFFICIENCY FACTOR, mmbtu/kWh		onoon	
(A) (B) (C)	(D)		
Percent of	(D)		
Centrl Stn +	Weighted		
	0		
Fuel Type Eff Factor Wind/Hydro	Eff Factor		
23 Industrial 0.014683 47.267	0.006940		
24 Diesel 0.011226 50.253	0.005642		
25 Other 0.012514 2.480	0.000310		
(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)]	0.0128920		
27 WEIGHTED COMPOSITE CENTRAL STATION +			
WIND/HYDRO GENERATION COST, ¢/kWh			
(Lines (21 x 22 x 26))	11.16683		
х х - <i>ш</i>			
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		
	0.000000		
31 WEIGHTED BASE CENTRAL STATION +			
WIND/HYDRO GENERATION COST ¢/kWh	0.00000		
(Lines (28 x 29 x 30))	0.00000		
		SUMMARY OF	
32 COST LESS BASE (Line 27 - 31)	11.16683	TOTAL GENERATION FACTOR, ¢/kWh	
33 Revenue Tax Req Multiplier	1.0975	45 Cntrl Stn+Wind/Hydro (line 34)	12.25560
34 CENTRAL STATION + WIND/HYDRO		46 DG (line 44)	0.04033
GENERATION FACTOR,		47 TOTAL GENERATION FACTOR,	
¢/kWh (Line (32 x 33))	12.25560	¢/kWh (lines 45 + 46)	12.29593
		/··	

¹ Hilo ULSD same location as Kanoelehua ULSD

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

ENERGY COST RECOVERY (ECR) FILING - July 1, 2023 (Page 2 of 2)

PURCHASED ENERGY PRICE, #WPs – Renewable 95 FIO mmbu, baseline 161,0 40 FOV OF Pask 1970 Baseline To Level 1384 40 FOV OF Pask 1970 Baseline To Level 1384 41 FOV-AddTS MW OF Pask 1385 95 Disest methu, baseline 241,5 52 FOV-AddTS MW OF Pask 1700 95 Baseline Doed 241,5 64 Mithue Hysio OF Pask 1875 Month Hysio 55,8 100 FIO mmbu, budget 254,0 65 Mithue Hysio OF Pask 1875 100 FIO Cost, dimmbu 508,0 66 Mithue Hysio OF Pask 1875 100 FIO Cost, dimmbu 508,0 67 Head Renewable Dev, OF Pask 1875 Month Dised 700,0 710,0 710,0 <th>Line</th> <th>PURCHASED</th> <th>ENERGY COMPONEN</th> <th>T</th> <th>Line</th> <th>Calculation of Monthly Fossil Fuel Cost Risk Sharing Compone</th> <th>ent .</th>	Line	PURCHASED	ENERGY COMPONEN	T	Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Compone	ent .
44 HEP 19.860 94 FIG 2 baseline month 52.20 PURCHASED ENERGY PRICE, GMM Prenevable 18.75 FIG 70.75b, baseline month 18.25 PURCHASED ENERGY PRICE, GMM Prenevable 18.75 FIG 70.75b, baseline month 52.25 POY - Add 5 MW OP Peak 13.850 97 Diseal S, baseline month 52.25 POY - Add 5 MW OP Peak 13.850 97 Diseal S, baseline month 52.25 POY - Add 5 MW OP Peak 13.850 97 Diseal S, baseline month 52.25 POY - Add 5 MW OP Peak 13.850 97 Diseal FLRCK, baseline 2.15 POY - Add 1 S MW OP Peak 18.27 100 FO mrths, badget 2.46 97 Task Reveak D, by Control 1, 100 OP Peak 18.57 100 FO mrths, badget 2.46 98 Task Reveak D, by Control 1, 100 OP Peak 18.57 100 FO directal 5.34 98 Task Reveak D, by Control 1, 100 OP Peak 18.57 100 FO directal 5.44 </td <td></td> <td>PURCHASED ENERGY P</td> <td>RICE. ¢/kWh Fossil</td> <td></td> <td></td> <td>Baseline IFO</td> <td></td>		PURCHASED ENERGY P	RICE. ¢/kWh Fossil			Baseline IFO	
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112 Total Monthly Fossi Fuel Cost Risk Sharing. Prior Months in Year \$200 66 HEP, Fosail 0.154 Maximum Annual Cap (b-directional) \$600. 70 PURCHASED ENERGY KWH MIX, %, Renewable 116 Maximum Annual Cap (b-directional) \$600. 70 PURCHASED ENERGY KWH MIX, %, Renewable 116 Maximum Annual Cap (b-directional) \$600. 80 PGV On Peak 12.506 116 Maximum Annual Cap (b-directional) \$600. 80 PGV Add1 Number of Days in year \$500. \$510. 80 PGV - Add1 On Peak 12.506 118 Total Monthy Fossi Fuel Cost Risk Sharing. \$100. 70 PGV - Add1 WW On Peak 1.616 121 Fossil Cost Risk Sharing Ormponent, #KWh \$107. 71 Wailuku Hydro On Feak 1.430 122 Fossil Fuel Cost Risk Sharing Component, #KWh \$107. 71 Hawing Peaking Monthy Fossil Fuel Cost Risk Sharing Component, #KWh 0.01 Derivation of Non-Adjustable Component. \$117. 71 Wailuku Hydro <td< td=""><td>65.4</td><td>Unused</td><td></td><td></td><td></td><td></td><td></td></td<>	65.4	Unused					
PURCHASED ENERGY KWH MIX, %, 113 Maximum Annual Cap (Indirectional) 5600 66 HEP, Fosail 0.154 114. Number ODays in year fom implementation 3 70 PGV On Peak 19.855 115 Fosail Risk % Porzatolinal prorated \$600. 67 PGV On Peak 19.855 117 Applicable Monthy Possil Fuel Cost Risk Sharing \$510. 69 PGV - Addrt On Peak 3.76 119 Fosail Cost Risk Sharing before taxes \$10.67 71 PGV - Addrt On Peak 6.16 121 Fosail Cost Risk Sharing before taxes \$10.67 72 PGV - Addrt B.WW On Peak 1.505 122 Foresaid Risk Sharing Component fax Adjustment 1.097 74 Waikuu Hydro On Peak 1.553 122 Foresaid Fuel Cost Risk Sharing Component, #KWh 0.01 75 Haw Renewabb Dev. On Peak 1.533 124 Fosail Fuel Cost Risk Sharing Component, #KWh 0.01 76 Haw Renewabb Dev. On Peak 1.037 1.067 1.067.1					112	Total Monthly Fossil Fuel Cost Risk Sharing. Prior Months in Year	\$20,088
66 HEP, Fossil 0.154 114 Number of Days in year from implementation 5 PURCHASED ENERGY KWH MIX, %, Renewable 15 Fossil Risk % Proration (based on 365 day year) 1000 67 PGV OP Peak 19.895 116 Maximum Annual Cap (b-directional) prorated \$6000. 68 PGV Of Peak 19.895 117 Applicable Monthy Fossil Fuel Cost Risk Sharing. Including This Month \$510. 70 PGV - Add1 Of Peak 2.842 119 Fossil Cost Risk Sharing before taxes \$410. 71 FGV - Add1 & MW Of Peak 6.166 121 Possil Cost Risk Sharing Component. \$413. 74 Walikuu Hydro Of Peak 1.463 122 Forecasted Month MWN Sales 93.9 74 Walikuu Hydro Of Peak 2.465 Derivation of Non-Adjustable Component: \$413. 75 Tawhiri (Pakin Nui) Of Peak 8.462 93.0 Cocan Cargo Insurance Exp. \$000 \$15. 76 Tawhiri (Pakin Nui) Of Peak 0.000 938 Revenues \$30.0 <td></td> <td>PURCHASED ENERGY K</td> <td>WH MIX. %.</td> <td></td> <td></td> <td></td> <td>\$600,000</td>		PURCHASED ENERGY K	WH MIX. %.				\$600,000
PURCHASED ENERGY KWH MX, %, Renewable 115 Fossil Risk % Proziation (based on 365 day year) 100.0 67 PGV On Peak 19.895 117 Applicable Monthly Fossil Fuel Cost Risk Sharing 510.6 68 PGV Of Peak 12.906 117 Applicable Monthly Fossil Fuel Cost Risk Sharing 510.6 70 PGV - Addt 1 Of Peak 2.842 119 Fossil Cost Risk Sharing before taxes 510.6 71 PGV - Addt 1 Of Peak 6.106 121 Fossil Cost Risk Sharing before taxes 510.6 72 PGV - Addt 18 MW Of Peak 1.950 122 Foreasted MonthWn Sales 93.9 74 Walkuu Hydro Of Peak 4.760 122 Foreasted MonthWn Sales 93.9 75 Hawi Renewable Dev. Of Peak 3.492 934 Ocean Cargo Insurance Exp, 5000 51 76 Hawi Renewable Dev. Of Peak 0.000 PEC-Co.30, page 1, ine 4 10.972 78 Tawhir (Pakin Nui) Of Peak 0.000 938 Revenue Tax Adjustament			, ,	0.154			365
PURCHASED ENERGY KWH MIX, %, Renewable 116 Maximum Annual Cap (bi-directional) provided \$600.0 6P FOV OP Peak 12.566 118 Total Monthy Fossil Fuel Cost Risk Sharing \$500.0 6P FOV OP Peak 12.566 118 Total Monthy Fossil Fuel Cost Risk Sharing \$510.5 70 PGV - Addt1 Off Peak 2.842 119 Fossil Cost Risk Sharing before taxes \$510.5 71 PGV - Addt1 8 MW Off Peak 6.166 121 Fossil Cost Risk Sharing Wrevenue tax \$511.7 73 Walkuu Hydro Off Peak 1.463 122 Foresated Month MWN Sales 953.9 74 Walkuu Hydro Off Peak 2.465 Derivation of Non-Adjustable Component: \$1007 74 Hawi Renewable Dev. Off Peak 8.462 934 Ocean Cargo Insurance Exp, \$000 \$1 75 Hawin (Pakin Nui) Off Peak 0.000 938 Revenue Tax Adjustment 1.007 76 Hawi Renewable Dev. Off Peak 0.000 938 Non-Adj Revenue Tax Adjustment 1.007 76 Tawhiri (Pakin Nui) OF Peak 0.000 <					115		100.00%
67 PCV On Peak 19.86 117 Applicable Monthly Fossil Fuel Cost Risk Sharing 4510. 68 PCV - Addt1 On Peak 3.979 118 Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$92. 70 PCV - Addt1 Of Peak 2.842 119 Fossil Cost Risk Sharing Mrevenue tax \$110. 71 PCV - Addt1 8 MW Of Peak 6.106 121 Fossil Cost Risk Sharing Wrevenue tax \$111. 73 Wailuku Hydro Of Peak 1.957 2.27 Precasted Month WM Sales 93.9 74 Hawi Renewable Dev. Of Peak 2.485 122 Forecasted Month WM Sales 93.9 74 Hawi Renewable Dev. Of Peak 2.485 123 Fossil Fuel Cost Risk Sharing Wreyneu tax \$111.9 74 Hawi Renewable Dev. Of Peak 8.428 124 Fossil Cost Risk Sharing Wreyneu tax \$111.9 74 Hawi Renewable Dev. Of Peak 2.485 123 Trawhin (Pakin Nu) On Peak 1.097 717 Trawhin (Pakin Nu)		PURCHASED ENERGY K	WH MIX, %, Renewable		116		\$600,000
68 PCV Off Peak 12.506 Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$32, \$3979 70 PCV - Addt1 Off Peak 2.842 118 Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$32, \$100 71 PCV - Addt1 8 MW Off Peak 6.219 120 Revenue Tax Adjustment 1.0975 72 PCV - Addt1 8 MW Off Peak 6.196 121 Fossil Cost Risk Sharing Unrevenue Tax -\$311, 10975 74 Walkuk Hydro Off Peak 4.780 122 Forecasted Month MWh Sales -\$317, 323 Fossil Fuel Cost Risk Sharing Component, #KWh 0.01 75 Haw Renewable Dev. Off Peak 13.593 132 Fossil Fuel Cost Risk Sharing Component, #KWh 0.01 76 Haw Renewable Dev. Off Peak 3.493 Derivation of Non-Adjustable Component. 1.027 71 Tawhiri (Pakin Nui) Off Peak 0.000 938 Revenue Tax 1.001 80 Small Hydro (100 KW) On Peak 0.000 932 2019 TY Sales, MWh 1.061, 7.0157 <td>67</td> <td>PGV</td> <td>On Peak</td> <td>19.895</td> <td>117</td> <td></td> <td>-\$10,810</td>	67	PGV	On Peak	19.895	117		-\$10,810
60 PCV - Addt1 On Peak 3.979 70 PCV - Addt1 Off Peak 2.842 71 PCV - Addt18 MW Off Peak 6.191 72 PCV - Addt18 MW Off Peak 6.106 73 PCV - Addt18 MW Off Peak 1.997 74 Wailuku Hydro Off Peak 1.995 74 Wailuku Hydro Off Peak 1.433 75 Hawi Renewable Dev. Off Peak 2.485 76 Hawi Renewable Dev. Off Peak 8.429 76 Hawi Renewable Dev. Off Peak 8.429 77 Tawhin (Pakini Nui) On Peak 8.429 78 Tawhin (Pakini Nui) On Peak 8.429 74 Hall Hydro (100 KW) Off Peak 8.429 75 Tawhin (Pakini Nui) On Peak 8.000 8 Snail Hydro (100 KW) Off Peak 0.000 81 Snail Hydro (100 KW) 0.005 930 Non-Adjustabel Component. 81 Waikoloa	68	PGV	Off Peak	12.506	118		\$9,278
11 PCV - Add18 MW On Peak 6.219 120 Revenue Tax Adjustment 1.0975 12 Fossil Cost Risk Sharing Wrevenue tax -5111 -5112 Fossil Cost Risk Sharing Wrevenue tax -5111 13 Walkku Hydro On Peak 1.950 122 Forescasted Month MWh Sales 93.9 14 Walkku Hydro Off Peak 1.430 123 Fossil Fuel Cost Risk Sharing Component, #/kWh 0.01 15 Hawi Renewable Dev. Off Peak 2.445 Derivation of Non-Adjustable Component. - 71 Tawhii (Pakin INu) On Peak 8.492 - - - 71 Tawhii (Pakin INu) On Peak 8.492 - - - 71 Tawhii (Pakin INu) On Peak 0.000 - - - - - 71 Tawhii (Pakin INu) On Peak 0.000 - - - - - - - - - - - - - - - - </td <td>69</td> <td>PGV - Addt'l</td> <td>On Peak</td> <td>3.979</td> <td></td> <td></td> <td></td>	69	PGV - Addt'l	On Peak	3.979			
72 PGV - Add1 8 MW Off Peak 6.106 121 Fossil Cast Risk Sharing wirevenue tax -511,6 73 Wailuku Hydro On Peak 1430 122 Forecasted Month Wh Sales 93,9 74 Wailuku Hydro Off Peak 1433 Fossil Fuel Cost Risk Sharing Component, #/kWh 001 75 Hawi Renewable Dev. Off Peak 2.485 Derivation of Non-Adjustable Component. 01 76 Hawi Renewable Dev. Off Peak 2.485 Derivation of Non-Adjustable Component. 01 77 Tawhiri (Pakini Nui) Off Peak 8.492 93A Ocean Cargo Insurance Exp, \$000 \$1 81 Small Hydro (<100 KW)	70	PGV - Addt'l	Off Peak	2.842	119	Fossil Cost Risk Sharing before taxes	-\$10,810
73 Waliku Hytro On Peak 1.950 122 Forecasted Month MWIn Sales 93,9 74 Waliku Hytro Off Peak 1.438 Fossil Fuel Cost Risk Sharing Component, #/kWh 0.01 75 Haw Renewable Dev. Off Peak 2.485 Derivation of Non-Adjustable Component. 0.01 77 Tawhiri (Pakini Nui) On Peak 8.492 93A Ocean Cargo Insurance Exp, \$000 \$1 78 Tawhiri (Pakini Nui) On Peak 0.030 Perveation of Non-Adjustable Component. 1.097 74 Tawhiri (Pakini Nui) On Peak 0.030 Perveation of Non-Adjustable Component. 1.097 78 Tawhiri (Pakini Nui) On Peak 0.000 93B Revenue Tax Adjustement 1.097 81 Small Hydro (<100 KW)	71	PGV - Add'l 8 MW	On Peak		120		1.097514
73 Walku Hydro On Peak 1.950 122 Forecasted Month MWIn Sales 93.9 74 Walku Hydro Of Peak 1.433 Fossil Fuel Cost Risk Sharing Component, #/kWh 0.01 75 Hawi Renewable Dev. Of Peak 2.485 Derivation of Non-Adjustable Component. 0.01 76 Hawi Renewable Dev. Off Peak 2.485 Derivation of Non-Adjustable Component. 0.01 77 Tawhin (Pakini Nui) On Peak 0.490 93A Ocean Cargo Insurance Exp, \$000 \$1 80 Small Hydro (>100 KW) On Peak 0.000 Peak 0.001 10075 81 Small Hydro (>100 KW) On Peak 0.000 93B Revenue Tax Adjustment 1.0972 81 Small Hydro (<100 KW)	72	PGV - Add'l 8 MW	Off Peak	6.106	121	Fossil Cost Risk Sharing w/revenue tax	-\$11,864
T5 Hawi Renewable Dev. On Peak 4,760 76 Hawi Renewable Dev. Off Peak 2,485 77 Tawhin (Pakini Nui) On Peak 13,593 78 Tawhin (Pakini Nui) On Peak 8,492 79 HEP Biodiesel 0.033 93A Ocean Cargo Insurance Exp, \$000 \$1 80 Small Hydro (>100 KW) On Peak 0.000 93B Revenue Tax Adjustment 1.0972 81 CBRE 0.211 93C Non-Adj Revenues, \$000 \$1 81 CBRE 0.211 93C Non-Adj Revenues, \$000 \$1 82 Sch Q Hydro (<100 KW)	73	Wailuku Hydro	On Peak	1.950	122	•	93,961
To Hawi Renewable Dev. On Peak 4.760 76 Hawi Renewable Dev. Off Peak 2.485 77 Tawhin (Pakini Nui) On Peak 13.593 78 Tawhin (Pakini Nui) On Peak 8.492 97 HEP Biodiesel 0.033 93A Ocean Cargo Insurance Exp, \$000 \$1 80 Small Hydro (>100 KW) On Peak 0.000 93B Revenue Tax Adjustment 1.0975 81a CBRE 0.211 93C Non-Adj Revenues, \$000 \$1 82 Sch Q Hydro (<100 KW)			Off Peak		123		0.0126
77 Tawhiri (Pakini Nui) On Peak 13.593 78 Tawhiri (Pakini Nui) Off Peak 8.492 79 HEP Biodiesel 0.03 80 Small Hydro (>100 KW) On Peak 0.000 81 Small Hydro (>100 KW) 0.019 938 Revenue Tax Adjustment 1.0975 81 CBRE 0.211 936 Non-Adj Revenues, \$000 \$1 81 Small Hydro (<100 KW)			On Peak	4.760		0	
77 Tawhiri (Pakini Nui) On Peak 13.593 78 Tawhiri (Pakini Nui) Off Peak 8.492 79 HEP Biodiesel 0.03 80 Small Hydro (>100 KW) On Peak 0.000 81 Small Hydro (>100 KW) 0.019 938 Revenue Tax Adjustment 1.0975 81 CBRE 0.211 936 Non-Adj Revenues, \$000 \$1 81 Small Hydro (<100 KW)	76	Hawi Renewable Dev.	Off Peak	2.485	Derivation of	Non-Adjustable Component:	
78 Tawhit (Pakini Nui) Off Peak 8.492 79 HEP Biodiesel 0.038 93A Ocean Cargo Insurance Exp, \$000 \$1 80 Smail Hydro (>100 KW) On Peak 0.000 93B Revenue Tax Adjustment 1.0975 81 CBRE 0.211 93C Non-Adj Revenues, \$000 \$1 82 Sch Q Hydro (<100 KW)						3 - 1	
79 HEP Biodiesel 0.038 93A Ocean Cargo Insurance Exp, \$000 \$1 80 Smail Hydro (>100 KW) On Peak 0.000 HELC083, legel, line 4 1<							
80 Small Hydro (>100 KW) On Peak 0.000 HELCO-80 page 1, line 4 81 Small Hydro (>100 KW) Off Peak 0.000 93B Revenue Tax Adjustment 1.0975 81a CBRE 0.211 93C Non-Adj Revenues, \$000 \$1 82 Sch Q Hydro (<100 KW)	79	HEP Biodiesel		0.038	93A	Ocean Cargo Insurance Exp, \$000	\$13.1
81 Small Hydro (>100 KW) Off Peak 0.001 938 Revenue Tax Adjustment 1.0975 81a CBRE 0.211 93C Non-Adj Revenues, \$000 \$1 82 Sch Q Hydro (<100 KW)	80	Small Hydro (>100 KW)	On Peak	0.000			
81a CBRE 0.211 93C Non-Adj Revenues, \$000 \$1 82 Sch Q Hydro (<100 KW)			Off Peak	0.000	93B		1.097514
82 Sch Q Hydro (<100 KW)				0.211	93C		\$14.4
83 FIT 0.672 HELCO-301 83.1 Waikola Solar 14.6300 93E Non-Adj Revenues, ¢/kWh 0.001 83.2 Unused 0.0000 0 0.0000 0 0.0000 83.4 Unused 0.0000 0 0 0 0 83.5 Total purchased Energy Fossil, ¢/kWh 19.8690 Ime SYSTEM COMPOSITE 83b Comp. Cost Purchased Energy Renewable, ¢/kWh 13.9125 124 GENERATION AND PURCHASED ENERGY 84 COMPOSITE COST OF PURCHASED FACTOR, ¢/kWh (Lines (47 + 93)) 20.867 85 Input to System kWh Mix 52.821 125 FACTOR, ¢/kWh (Lines (47 + 93)) 20.867 86 WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 7.35374 127 FECA FACTOR, ¢/kWh 128 0.001 87 BASE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 0.0000 128 CAFACTOR, ¢/kWh 20.3 (Lines (124 + 125 + 126 + 127)) 0.031 87 BASE PURCHASED ENERGY 0.0000 0.00000	82	Sch Q Hvdro (<100 KW)			93D		1,061,718
83.1 Waikoloa Solar 14.6300 93E Non-Adj Revenues, ¢/kWh 0.001 83.2 Unused 0.0000 0.0000 0.0000 0.0000 0.0000 83.3 Unused 0.0000 0.0000 0.0000 0.0000 0.0000 83.4 Unused 0.0000 0.0000 0.0000 0.0000 0.0000 83.5 Total purchased power 100.000 100.000 0.0000 0.0000 83a Comp. Cost Purchased Energy Renewable, ¢/kWh 13.9125 124 GENERATION AND PURCHASED ENERGY 84 COMPOSITE COST OF PURCHASED 124 GENERATION AND PURCHASED ENERGY 0.001 85 % Input to System kWh Mix 52.821 125 Fossil Fuel Cost Risk Sharing Component (Line 123) 0.0 86 WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 7.35374 127 ECA FACTOR, ¢/kWh 20.3 87 BASE PURCHASED ENERGY 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 88 WEIGHTED BASE PURCHASED ENERGY 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 1.062 0.075 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,,</td>							,,
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ENERGY, ¢/kWh 13.922 FACTOR, ¢/kWh (Lines (47 + 93)) 20.867 85 % Input to System kWh Mix 52.821 125 Fossil Fuel Cost Risk Sharing Component (Line 123) 0.0 86 WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 7.35374 127 ECA Reconciliation Adjustment (0.5 87 BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh 0.000 (Lines (124 + 125 + 126 + 127)) 20.3 88 Base % Input to Sys kWh Mix 0.00 0.0000 (Lines (124 + 125 + 126 + 127)) 20.3 90 COST LESS BASE (Lines (86 - 89)) 7.35374 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111					1	24 GENERATION AND PURCHASED ENERGY	
85 % Input to System kWh Mix 52.821 86 WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 7.35374 87 BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh 0.00 88 Base % Input to Sys kWh Mix 0.00 89 WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (86 - 89)) 0.001 90 COST LESS BASE (Lines (86 - 89)) 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111				13.922			20.86704
86 WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 7.35374 126 Non-Adjustable Component (Line 93E) 0.001 87 BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh 0.000 127 ECA FACTOR, ¢/kWh 20.3 88 Base % Input to Sys kWh Mix 0.000 0.0000 0.0000 0.0000 89 WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88)) 0.00000 0.00000 0.00000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111	85		<		1		0.013
COST, ¢/kWh (Lines (84 x 85)) 7.35374 127 ECA Reconciliation Adjustment (0.5 87 BASE PURCHASED ENERGY 20.3 COMPOSITE COST, ¢/kWh 0.000 (Lines (124 + 125 + 126 + 127)) 20.3 88 Base % Input to Sys kWh Mix 0.00 (Lines (124 + 125 + 126 + 127)) 20.3 89 WEIGHTED BASE PURCHASED ENERGY 0.00000 0.00000 0.00000 0.00000 90 COST, ¢/kWh (Lines (86 - 89)) 7.35374 1.062 292 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111 8.57111 0.0000 0.0000						8 1 ()	0.00135
128 ECA FACTOR, ¢/kWh 20.3 87 BASE PURCHASED ENERGY (Lines (124 + 125 + 126 + 127)) COMPOSITE COST, ¢/kWh 0.000 88 Base % Input to Sys kWh Mix 0.00 89 WEIGHTED BASE PURCHASED ENERGY 0.00000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111				7.35374	1	27 ECA Reconciliation Adjustment	(0.526)
87 BASE PURCHASED ENERGY COMPOSITE COST, \$\notherwidth{k}Wh 0.000 88 Base % Input to Sys kWh Mix 0.00 89 WEIGHTED BASE PURCHASED ENERGY COST, \$\notherwidth{k}Wh (Lines (87 x 88)) 0.0000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, \$\notherwidth{k}Wh 8.57111			,,				20.355
COMPOSITE COST, ¢/kWh 0.000 88 Base % Input to Sys kWh Mix 0.00 89 WEIGHTED BASE PURCHASED ENERGY 0.00000 90 COST, ¢/kWh (Lines (87 x 88)) 0.00000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111	87	BASE PURCHASED ENEI	RGY				
89 WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88)) 0.00000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111		COMPOSITE COST, ¢/kV	Vh	0.000			
89 WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88)) 0.00000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111	88						
COST, ¢/kWh (Lines (87 x 88)) 0.00000 90 COST LESS BASE (Lines (86 - 89)) 7.35374 91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111				0.00			
91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111				0.00000			
91 Loss Factor 1.062 92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111	00	COST LESS BASE (Linco	(86 - 89))	7 35371			
92 Revenue Tax * 1.0975 93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111			(00 - 03))				
93 PURCHASED ENERGY FACTOR, ¢/kWh 8.57111							
	30	(Lines (90 x 91 x 92))		5.57111			

Hawaii Electric Light Company, Inc. FUEL OIL INVENTORY PRICES FOR July 1, 2023

INDUSTRIAL FUEL COSTS: Average Industrial Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	<u>HILO</u> 100.5415 	<u>PUNA</u> 100.5415 1.5473		
Industrial Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	100.5415 6.30	102.0888 6.30		
Industrial Costs For Filing - ¢/mmbtu	1,595.90	1,620.46		
DIESEL FUEL COSTS: Average Diesel Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 122.6461 3.9572	PUNA CT-3 122.6461 1.7407	HILO 122.6461 1.2760	
Diesel Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	126.6033 5.86	124.3868 5.86	123.9221 5.86	
Diesel Costs For Filing - ¢/mmbtu	2,160.47	2,122.64	2,114.71	
ULSD FUEL COSTS: Average ULSD Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 141.6294 3.7767	WAIMEA 141.6294 3.2603	HILO 141.6294 1.3034	DISPERSED GENERATION 141.6294
ULSD Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	145.4061 5.73	144.8897 5.73	142.9328 5.73	141.6294 5.73
ULSD Costs For Filing - ¢/mmbtu	2,537.63	2,528.62	2,494.46	2,471.72
Dispersed Generation, cents per kWh	COMPOSITE COST			

	COMPOSITE COST
	<u>OF DISP. GEN.</u>
BBIs Fuel:	246.1176
\$/BBI Inv Cost:	141.6294
Fuel \$ (Prod Sim Consumption x Unit Cost)	34,857.50
Net kWh (from Prod Sim)	135,000
cents/kWh:	25.820

HAWAII ELECTRIC LIGHT CO., INC.

Estimated Weighted Average July 2023

	SHIPMAN	INDUSTRIAL	HILL INDUST	TRIAL			
					COST PER BAR	REL	
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 05/31/2023	0	0.00	40,568	4,033,897.37			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx xx	****	xxxxxxxx	****			
Actual	XXXXXX XX	****	XXXXXXXXXX	*****			
Transfers out: Estimate	xxxxxx xx	****	xxxxxxxxxx	****			
Actual	XXXXXX XX	****	XXXXXXXXXX	*****			
Transfers in: Estimate	0	0.00	(33,372)	(3,304,986.20)			
Actual	0	0.00	29,260	3,010,292.35			
Consumed: Estimate	0	0.00	28,760	2,926,342.90			
Actual	0	0.00	(28,986)	(2,964,650.84)			
Balance Per G/L 05/31/2023	0	0.00	36,230	3,700,895.58			
Purchases	XXXXXX XX	xxxxxxxxxxxxx	xxxxxxxxxxx	****			
Transfer out	xxxxxx xx	****	xxxxxxxxxxx	****			
Transfer in	0	0.00	28,874	2,843,050.37			
Consumed	0	0.00	(28,347)	(2,844,091.83)	106.5901	0.0000	106.5901
Balance @ 06/30/2023	0	0.00	#########	3,699,854.12			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 06/30/2023	0	0.00	36,757	3,699,854.12			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxxxxxx	(3,699,854.12)			
Fuel Bal @ Avg Price	XXXXXX	0.00	xxxxxxxxxx	3,695,602.70			
Total @ 07/01/2023 Avg Price	0	0.00	36,757	3,695,602.70			
Weighted Avg Cost/BBL by Location		#DIV/0!		100.6571			
Weighted Avg Cost/BBL @ Avg Cost				100.5415			

	PUNA INDUST	RIAL				
	יחס	COCT		COST PER BA		TOTAL
	BBL	COST	TRANSP	EXCLUDE LT	LT	TOTAL
Balance at 05/31/2023	9,822	998,495.54	15,197.79			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	xxxxxxxxxx >	****	****			
Actual	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	*****	****			
Transfers out: Estimate	*****	«xxxxxxxxxxxx	****			
Actual	******	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	****			
Transfers in: Estimate	0	0.00	0.00			
Actual	0	0.00	0.00			
Consumed: Estimate	0	0.00	0.00			
Actual	0	4,822.05	- 0.00			
Balance Per G/L 05/31/2023	9,822	1,003,317.59	15,197.79	-		
Purchases	*****	****	*****			
Transfer out	*****	****	*****			
Transfer in	0	0	0.00			
Consumed	0	0.00	0.00	100.3313	1.5473	101.8786
Balance @ 06/30/2023	9,822	1,003,317.59	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	9,822	1,003,317.59	15,197.79		1.5473	
Reverse Fuel Balance	xxxxxxxxxxx	(1,003,317.59)	****			
Fuel Balance @ Avg Price	****		****			
Total @ 07/01/2023 Avg Price	9,822	987,518.29	15,197.79	-		
Weighted Avg Cost/BBL by Location		102.1500	1.5473			
Weighted Avg Cost/BBL @ Avg Cost		100.5415	1.5473			

		KEAHOLE DIESEL					
			COST	LAND	COST PER E	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 05/31/2023	56,830.3	2,386,873.0	7,497,701.3	230,565.0			
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		****	*****	****			
Actual		*****	*****	*****			
Transfers in: Estimate	(23,315.2)						
Actual	21,689.9	910,974.0	2,735,076.5	96,214.36			
Consumed: Estimate	25,445.0	1,068,690.0	3,414,283.9	111,044.91			
Actual	(25,469.3)	(1,069,709.0)	(3,537,784.5)	(127,788.2)	138.9041		
Balance Per G/L 05/31/2023	55,180.7	2,317,591	7,160,967.69	205,733.30	129.7730		
Purchases	****	****	****	****			
Transfer out	****	****	****	****			
Transfer in	29 <i>,</i> 869.5	1,254,517.0	3,733,230.3	133,624.0	124.9849		
Consumed	(28,007.2)	(1,176,303.0)	(3,631,615.8)	(113,627.43)	129.6672	4.0571	133.7242
Balance @ 06/30/2023	57,043.0	2,395,805	7,262,582.18	225729.85204	127.3177		
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	57,043.0	2,395,805	7,262,582.18	225,729.85	127.3177		
Reverse Fuel Balance	****	****	(7,262,582.2)	****			
Fuel Balance @ Avg Price	*****	****		*****			
Total @ 07/01/2023 Avg Price	57,043.0	2,395,805	6,996,098.76	225,729.85	122.6461		
Weighted Avg Cost/BBL by Location			127.3177	3.9572			
Weighted Avg Cost/BBL @ Avg Cost			122.6461	3.9572			

	F	PUNA CT-3					
			COST	LAND	COST PER B		
HS Diesel	BBL	GALLONS	EXCLUD LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 05/31/2023	5,747.8	241,409.0	766,335.1	10,005.3			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate Actual		(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
Transfers out: Estimate Actual		(XXXXXXXXXXXXXXXXXX (XXXXXXXXXXXXXXXXX					
Transfers in: Estimate	(947.8)	(39,809.0)	(117,354.8)	(1,649.9)			
Actual	578.8	24,308.0	70,337.3	986.4			
Consumed: Estimate	733.8	30,819.0	98,461.5	1,277.3			
Actual	(710.3)	(29,831.0)	(116,708.5)	(1,215.3)			
Balance Per G/L 05/31/2023	5,402.3	226,896	701,070.60	9,403.76			
Purchases	*****		* ****	****			
Transfer out	*****		* ****	****			
Transfer in	957.6	40,218.0	113,603.5	1,666.8	118.6371		
Consumed	(1,591.7)	(66,850)	(206,386.9)	(2,770.61)	129.6672	1.7407	131.4079
Balance @ 06/30/2023	4,768.2	200,264	############	8,299.99	127.5719		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 06/30/2023	4,768.2	200,264	608,287.25	8,299.99	127.5719		
Reverse Fuel Balance	xxxxxxxx		(608,287.25)	xxxxxxxxxxx			
Fuel Balance @ Avg Price				****			
Total @ 07/01/2023 Avg Price	4,768.2	200,264	584,799.98	8,299.99	122.6461		
Weighted Avg Cost/BBL by Location			127.5719	1.7407			
Weighted Avg Cost/BBL @ Avg Cost			122.6461	1.7407			

			COST	LAND	COST PER	BARRFI	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 05/31/2023	1415.0	59,428	189,122	1,881			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		****	xxxxxxxxxxx	****			
Actual		*****	*****	XXXXXXXXXXXXXX			
Transfers out: Estimate		****	****	xxxxxxxxxxxx			
Actual		*****	*****	XXXXXXXXXXXXX			
Transfers in: Estimate	-188.5	-7919.0	-23420.1	-289.7			
Actual	188.5	7919.0	23402.4	289.7			
Consumed: Estimate	59.8	2511.0	8022.2	68.6			
Actual	-41.2	-1732.0	-11097.1	-119.3			
Balance Per G/L 05/31/2023	1433.5	60,207	186,029.54	1,829.82	129.7730		
Purchases	****	xxxxxxxxxxx	****	****			
Transfer out	****	xxxxxxxxxxx	****	****			
Transfer in	0.0	0.0	0.0	0.0	#DIV/0!		
Consumed	-11.8	-495.0	-1528.2	-15.7	129.6672	1.3291	130.996
Balance @ 06/30/2023	1,421.7	59,712	184,501.32	1814.15619	129.7738		
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	1,421.7	59,712	184,501.32	1,814.16	129.7738		
Reverse Fuel Balance	xxxxxxxxxxx	****	-184,501.32	xxxxxxxxxxx			
Fuel Balance @ Avg Price	****						
Total @ 07/01/2023 Avg Price	1,421.7	59,712	174,367.72	1,814.16	122.6461		
Weighted Avg Cost/BBL by Location			129.7738	1.2760			
weighted Avg cost/ BBL by Location			125.7750	1.2700			

		KEAHOLE ULS					
			COST	LAND	COST PER BARREL		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 05/31/2023	2,251.2	94,551	326,064.84	9,002.63			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	0.0	0	0.00	0.00			
Actual	0.0	0	0.00	0.00			
Transfers out: Estimate		****	****	****			
Actual		****	*****	****			
Transfers in: Estimate		(114)	0.00	(12.14)			
Actual		217	0.00	0.00			
Consumed: Estimate	109.2	4,585	15,837.11	498.82			
Actual	(74.7)	(3,138)	(10,678.21)	(958.39)	142.9206		
Balance Per G/L 05/31/2023	2,288.1	96,101	331,223.74	8,530.92	144.7581		
Purchases	188.3	7,907	20,996.91	842.21	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	(7.1)	(300)	0.00	(31.95)	0.00		
Consumed	(70.2)	(2,950)	(10,128.85)	(280.88)	144.2074	3.9990	148.2064
Balance @ 06/30/2023	2,399.0	100,758	342,091.80	9060.29118	142.5977		
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	2,399.0	100,758	342,091.80	9,060.29	142.5977		
Reverse Fuel Balance	****	****	(342.091.80)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	*****			****			
Total @ 07/01/2023 Avg Price	2,399.0	100,758	339,768.97	9,060.29	141.6294		
Weighted Avg Cost/BBL by Location			142.5977	3.7767			
Weighted Avg Cost/BBL @ Avg Cost			141.6294	3.7767			

		WAIMEA DIES	EL				
			COST	LAND	COST PER BARRE	L	
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		LT	TOTAL
Balance at 05/31/2023	835.9	35,109.0	118,027.0	2,715.61			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(24,099.60)	(707.75)			
Actual		0.0	0.0	0.00			
Transfers out: Estimate		****	****	****			
Actual		*****	*****	XXXXXXXXXXXXX			
Transfers in: Estimate	1.8	77	0.00	0.00			
Actual	2.6	109	0.00	0.00			
Consumed: Estimate	164.6	6,913	23,878.28	593.43			
Actual	(101.0)	(4,240)		(363.97)			
Balance Per G/L 05/31/2023	714.0	29,988	103,357.28	2,237.33	144.7581		
ULSD Purchases	188.6	7,923	21,039.40	702.69	111.5303		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	****	(25)	0.00	0.00	#DIV/0!		
Consumed	(81.3)	(3,414)	(11,722.00)	(264.07)	144.2074	3.2486	147.4560
Balance @ 06/30/2023	820.8	34,472	112,674.67	2675.95540	137.2806		
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	820.8	34,472	112,674.67	2,675.96	137.2806		
Reverse Fuel Balance	****	****	(112,674.67)	xxxxxxxxxxx			
Fuel Balance @ Avg Price		****		****			
Total @ 07/01/2023 Avg Price	820.8	34,472	116,244.03	2,675.96	141.6294		
Weighted Avg Cost/BBL by Location			137.2806	3.2603			
Weighted Avg Cost/BBL @ Avg Cost			141.6294	3.2603			

	k	(ANOELEHUA I	DIESEL	
			COST	LAND
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP
Balance at 05/31/2023	1,265.8	53,162.0	183,552.2	1593.3
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	0.0	0	0.00	0.00
Actual	0.0	0	0.00	0.00
Transfers out: Estimate		х	x	x
Actual		х	х	х
Transfers in: Estimate		0	0.00	0.00
Actual		0	0.00	0.00
Consumed: Estimate	88.7	3,725	12,866.57	154.14
Actual	(54.4)	(2,283)		(55.13)
Balance Per G/L 05/31/2023	1,300.1	54,604	188,199.30	1,692.34
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	0	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(49.2)	(2,066)	(7,093.63)	(61.92)
Balance @ 06/30/2023	1,250.9	52,538	181,105.67	1,630.42
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	1,250.9	52,538	181,105.67	1,630.42
Reverse Fuel Balance	х	x	(181,105.67)	x
Fuel Balance @ Avg Price	х	x	177,164.91	x
Total @ 07/01/2023 Avg Price	1,250.9	52,538	177,164.91	1,630.42
Weighted Avg Cost/BBL by Location			144.7797	1.3034
Weighted Avg Cost/BBL @ Avg Cost			141.6294	1.3034

DISPERSED GENERATION

F

	BBL	GALLONS	COST	COST/BBL
Balance at 05/31/2023	95.5	4,010	13,845.53	
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	2.7 (4.0)	-		
		xxxxxxxxxxx xxxxxxxxxx		
		xxxxxxxxxxx xxxxxxxxxxx		
Balance Per G/L 05/31/2023	94.12	3,953	13,624.49	144.7581
Purchases	0.0	0	0.00	0.0000
Transfer out	****	****	xxxxxxxxxxx	
Transfer in	xxxxxxxxx	****	xxxxxxxxxx	
Consumed	(5.6)	(236)	(810.31)	144.2074
Balance @ 06/30/2023	109.5	4,599	12,814.18	117.0245
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 06/30/2023	109.5	4,599	12,814.18	
Reverse Fuel Balance Fuel Balance @ Avg Price		xxxxxxxxxxxx xxxxxxxxxxx	(12,814.18) xx 15,508.42 xx	
Total @ 07/01/2023 Avg Price	109.5	4,599	15,508.42	141.6294

Hawaii Electric Light Company, Inc. PURCHASED POWER PRICES FOR July 1, 2023

		July 1, 2023 (¢/kWh)	Floor Rates (¢/kWh)
PGV (25 MW) PGV (22 MW)	- on peak - off peak	18.875 19.101	6.560 5.430
WAILUKU HYDRO	- on peak off peak	18.875 19.101	7.240 5.970
Other: (<100 KW)	Sch Q Rate	18.560	
		July 1, 2023 (¢/kWh)	Floor Rates (¢/kWh)
HEP			
ПЕР		19.869	
PGV Addtl 5 MW	- on peak - off peak	19.869 13.850 13.850	0.0000 0.0000

Hawaii Electric Light Company, Inc. Energy Cost Reconciliation Adjustment July 1, 2023

<u>Line No.</u>	Description	Amount
1	Amount to be (returned) or collected	(\$1,350,400)
2	Monthly Amount $(^{1}/_{3} \times \text{Line 1})$	(\$450,133)
3	Revenue Tax Divisor 0.91115	
	Total (Line 2 / Line 3)	(\$494,028)
5	Estimated MWh Sales (July 1, 2023)	93,961 mwh
6	Adjustment (Line 4 / Line 5) (0.526) ¢/k	

HAWAII ELECTRIC LIGHT COMPANY, INC.

2023 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 21	074.000		(0, 400)	~~~~~~	(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	(707 (00)		(04.47.0)		(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	(00.000)		1= 000		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	(704.000)				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	818,932	(618,023)
July	(1.000.000)		404.007		788,067	790,896	172,873
August	(1,068,900)	[2]	134,637	(1,203,537)	356,300	361,221	(669,443)
September					356,300	365,659	(303,784)
October	400,400	101	17 100	475 004	356,300	370,642	66,858
November	492,400	[3]	17,109	475,291	(164,133)	(159,923)	382,226
December					(164,133)	(166,766)	215,460
January 23	040 500		45.040	000 504	(164,133)	(156,998)	58,462
February	219,500	[4]	15,919	203,581	(73,167)	(73,626)	188,417
March					(73,167)	(70,566)	117,851
April	4 959 499				(73,167)	(72,408)	45,443
May	1,350,400	[1]	9,277	1,341,123	(450,133)	(438,904)	947,662
June					(450,133)		
July					(450,133)		

NOTES:

Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 6)

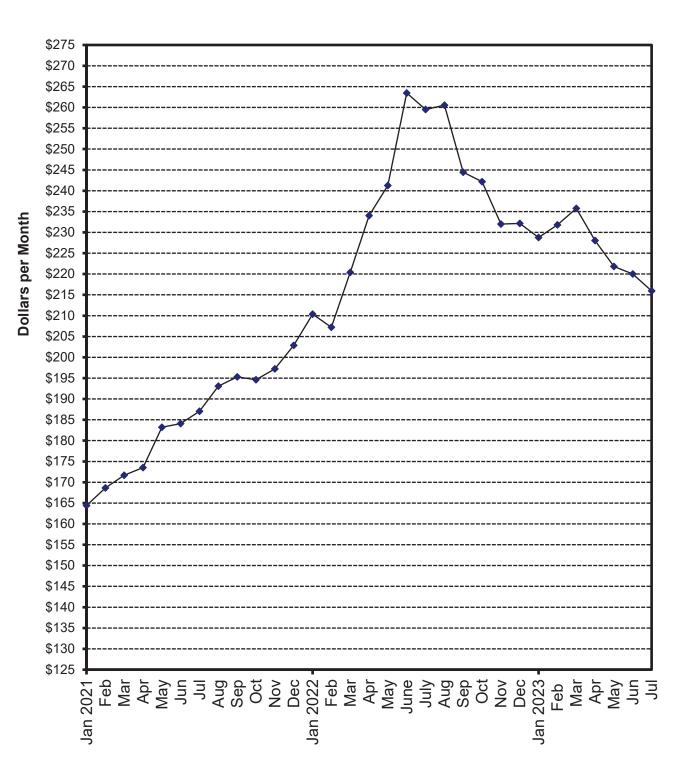
Col(2): A positive number is an over-collection. A negative number is an under-collection. FOA reconciliation adjustment variance accumulated during the last three months, starting with the fourth prior month; the difference between the estimated recorded sales used to derive the \$/kwh adjustment and 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

EFFECTIVE DATE	FUEL FACTOR CENTS / KWH RESIDENTIAL & <u>COMMERCIAL</u>	RESIDENTIA @ 500 KWH @	
January 1, 2020 February 1, 2020 March 1, 2020 April 1, 2020 May 1, 2020 June 1, 2020 July 1, 2020 August 1, 2020 September 1, 2020 October 1, 2020 December 1, 2020	16.768 17.547 17.424 15.644 11.215 10.575 11.359 14.389 14.569 14.274 13.426 13.032	185.37 189.22 188.72 179.61 157.94 151.51 154.68 170.16 171.01 169.56 163.74 161.87	221.88 226.49 225.90 214.96 188.96 181.25 185.07 203.65 204.67 202.93 195.96 193.70
January 1, 2021 February 1, 2021 March 1, 2021 April 1, 2021 June 1, 2021 July 1, 2021 August 1, 2021 September 1, 2021 October 1, 2021 December 1, 2021	$\begin{array}{c} 13.543 \\ 14.523 \\ 15.091 \\ 15.486 \\ 16.982 \\ 16.726 \\ 17.040 \\ 18.134 \\ 18.588 \\ 18.447 \\ 19.470 \\ 20.549 \end{array}$	164.41 168.63 171.67 173.51 183.19 184.08 187.04 193.08 195.30 194.63 197.22 202.87	196.74 201.81 205.45 207.68 219.28 220.35 223.92 231.16 233.83 233.01 236.14 242.91
January 1, 2022 February 1, 2022 March 1, 2022 April 1, 2022 May 1, 2022 June 1, 2022 July 1, 2022 August 1, 2022 September 1, 2022 October 1, 2022 November 1, 2022 December 1, 2022	20.942 20.361 22.943 25.717 27.068 31.165 30.355 30.507 27.322 26.850 24.879 24.880	210.36 207.20 220.40 234.05 241.26 263.48 259.50 260.56 244.46 242.17 231.99 232.14	251.90 248.09 263.93 280.30 288.97 315.62 310.86 312.13 292.81 290.06 277.85 278.03
January 1, 2023 February 1, 2023 March 1, 2023 April 1, 2023 May 1, 2023 June 1, 2023 July 1, 2023	24.245 24.918 25.651 24.141 21.951 21.277 20.355	228.78 231.81 235.76 228.04 221.83 220.03 215.94	273.99 277.63 282.37 273.11 265.65 263.44 258.54

HAWAII ELECTRIC LIGHT COMPANY, INC. RESIDENTIAL SURCHARGE DATA

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
11/1/2020	Final Rates (TY2019), Docket No. 2018-0368, Order No	0.37395
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
5/1/2022-5/5/7/2022 5/1/2022	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
	RESIDENTIAL DSM ADJUSTMENT	-0.0912 CENTS/KWH
5/1/2022-7/31/2022 6/1/2022-6/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.3052 CENTS/KWH
6/1/2022-6/30/2022	RBA RATE ADJUSTMENT	1.3708 CENTS/KWH
7/1/2022-7/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.3333 CENTS/KWH
7/1/2022-12/31/2022	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
7/1/2022-6/30/2023	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.6488 CENTS/KWH
8/1/2022-8/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2981 CENTS/KWH
8/1/2022-10/31/2022	RESIDENTIAL DSM ADJUSTMENT	0.0035 CENTS/KWH
9/1/2022-9/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2638 CENTS/KWH
10/1/2022-10/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2771 CENTS/KWH
11/1/2022-11/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2180 CENTS/KWH
11/1/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0017 CENTS/KWH
12/1/2022-12/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.2472 CENTS/KWH
1/1/2023-1/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2701 CENTS/KWH
1/1/2023-06/30/2023	GREEN INFRASTRUCTURE FEE	1.23 DOLLARS/MONTH
1/1/2023-5/31/2023	RBA RATE ADJUSTMENT	1.3006 CENTS/KWH
2/1/2023-2/28/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2018 CENTS/KWH
2/1/2023-4/30/2023	RESIDENTIAL DSM ADJUSTMENT	0.0008 CENTS/KWH
3/1/2023-3/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2576 CENTS/KWH
4/1/2023-4/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	2.2245 CENTS/KWH
5/1/2023-5/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.1660 CENTS/KWH
5/1/2023	RESIDENTIAL DSM ADJUSTMENT	0.0053 CENTS/KWH
6/1/2023-6/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	3.1716 CENTS/KWH
6/1/2023		7.62% Percent of All Rate Schedule Charges, excluding ECRC and RBA
7/1/2023-7/31/2023 7/1/2023-12/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE GREEN INFRASTRUCTURE FEE	3.2056 CENTS/KWH 1.18 DOLLARS/MONTH
7/1/2023-12/31/2023	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7195 CENTS/KWH
1112020		

**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		Charg	Charge (\$) at 500 Kwh		
		6/1/2023	7/1/2023	6/1/2023	7/1/2023	Difference
Base Rates	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	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	16.7577	\$33.52	\$33.52	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$85.24	\$85.24	\$0.00
Interim Rate Adjustment 2019 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	% except ECRC	7.6200%	7.6200%	\$8.04	\$8.08	\$0.04
Purchased Power Adj. Clause	¢/kwh	3.1716	3.2056	\$15.86	\$16.03	\$0.17
PBF Surcharge	¢/kwh	0.6488	0.7195	\$3.24	\$3.60	\$0.36
DSM Adjustment	¢/kwh	0.0053	0.0053	\$0.03	\$0.03	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	21.2770	20.3550	\$106.39	\$101.78	-\$4.61
Green Infrastructure Fee	\$	1.23	1.18	\$1.23	\$1.18	-\$0.05
		•				-
Avg Residential Bill at 500 kwh				\$220.03	\$215.94	

Increase (Decrease -) % Change

-\$4.09 -1.86%

	Rate			Charg	e(\$) at 600) Kwh
		6/1/2023	7/1/2023	6/1/2023	7/1/2023	Difference
Base Rates	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	13.4059	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	16.7577	\$50.27	\$50.27	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$101.99	\$101.99	\$0.00
Interim Rate Adjustment 2019 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	% except ECRC	7.6200%	7.6200%	\$9.61	\$9.66	\$0.05
Purchased Power Adj. Clause	¢/kwh	3.1716	3.2056	\$19.03	\$19.23	\$0.20
PBF Surcharge	¢/kwh	0.6488	0.7195	\$3.89	\$4.32	\$0.43
DSM Adjustment	¢/kwh	0.0053	0.0053	\$0.03	\$0.03	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	21.2770	20.3550	\$127.66	\$122.13	-\$5.53
Green Infrastructure Fee	\$	1.23	1.18	\$1.23	\$1.18	-\$0.05
Avg Residential Bill at 600 kwh				\$263.44	\$258.54	

Increase (Decrease -)

% Change

-\$4.90 -1.86%

Note: the RBA Rate Adjustment recovers the RBA Revenue Adjustment effective June 1, 2023, and is implemented as a percentage of all rate schedule charges, including all charges for Surcharges, Clauses, and Fees, but excluding charges related to the ECRC and the RBA Rate Adjustment.

From:	noreply@salesforce.com on behalf of PUC CDMS
То:	Mounthongdy, Christine
Subject:	Hawaii PUC CDMS eSERVICES - E-Filing F-290336 FILED Confirmation
Date:	Wednesday, June 28, 2023 10:30:42 AM

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E-Filing Filed Confirmation

Aloha Christine Mounthongdy,

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E-Filing Confirmation Number: F-290336 Account: Hawaii Electric Light Company, Inc. Date and Time Submitted: 6/28/2023, 10:30 AM Case or Docket Reference Number: PC-181521 Case or Docket Number (if applicable): Pending Filing Category/Type: Reports / Energy Cost Adjustment Factors

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