



August 27, 2021

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 September 2021

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") September 2021 Energy Cost Recovery factor is 18.588 cents per kilowatt-hour ("kWh"), an increase of 0.454 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$195.30, an increase of \$2.22 compared to rates effective August 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery factor (+\$2.27), partially offset by the decrease in the Purchased Power Adjustment Clause (-\$0.05).

Hawai'i Electric Light's fuel composite cost of generation increased 28.47 cents per million BTU to 1,480.93 cents per million BTU. The composite cost of distributed generation remains at 0 cents per kWh. The composite cost of purchased energy increased 0.066 cents per kWh to 14.838 cents per kWh.

The attached sheets set forth the fuel adjustment in cents per kWh for each rate schedule that is applicable for pro rata use beginning September 1, 2021.

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 FACTOREFFECTIVE DATES

	<u>8/01/21</u>	<u>9/01/21</u>	<u>Change</u>
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Composite Cost

Generation, ¢/mmbtu	1,452.46	1,480.93	28.47
Dispersed Generation Energy, ¢/kWh	0.00	0.000	0.000
Purchased Energy, ¢/kWh	14.772	14.838	0.066

Residential Schedule "R"

Energy Cost Recovery - ¢/kWh	18.134	18.588	0.454
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Others - "G,J,P,F"

Energy Cost Recovery - ¢/kWh	18.134	18.588	0.454
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## Residential Customer with:

500 KWH Consumption - \$/Bill	193.08	\$195.30	\$2.22
600 KWH Consumption - \$/Bill	231.16	\$233.83	\$2.67



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

ENERGY COST RECOVERY (ECR) FILING - September 1, 2021 (Page 2 of 2)

Line	PURCHASED ENERGY COMPONENT	Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Component
48	PURCHASED ENERGY PRICE, ¢/kWh -- Fossil HEP 18.495	94	<b>Baseline IFO</b> IFO \$, baseline month \$1,974,001
		95	IFO mmbtu, baseline 224,069
		96	Baseline IFO, ¢/mmbtu 880.98
49	PURCHASED ENERGY PRICE, ¢/kWh -- Renewable PGV On Peak 16.050		<b>Baseline Diesel</b>
50	PGV Off Peak 15.510		Diesel \$, baseline month \$3,363,554
51	PGV - Add'l 5 MW On Peak 13.450	97	Diesel mmbtu, baseline 308,091
52	PGV - Add'l 5 MW Off Peak 13.450	98	Baseline Diesel, ¢/mmbtu 1,091.74
53	PGV - Add'l 8 MW On Peak 6.840		
54	PGV - Add'l 8 MW Off Peak 6.840		
55	Wailuku Hydro On Peak 16.050		<b>Month IFO</b>
56	Wailuku Hydro Off Peak 15.510	100	IFO mmbtu, budget 217,418
57	Hawi Renewable Dev. On Peak 16.050	101	IFO Cost, ¢/mmbtu 1,287.69
58	Hawi Renewable Dev. Off Peak 15.510	102	IFO ECRC Fossil Cost \$2,799,674
59	Tawhiri (Pakini Nui) On Peak 13.860	103	IFO Base ECRC Recovery Target \$1,915,406
60	Tawhiri (Pakini Nui) Off Peak 13.260	104	IFO differential \$884,268
61	HEP Biodiesel 18.495		
62	Small Hydro (>100 KW) On Peak 16.050		<b>Month Diesel</b>
63	Small Hydro (>100 KW) Off Peak 15.510	105	Diesel mmbtu, budget 219,425
63a	CBRE 15.000	106	Diesel Cost, ¢/mmbtu 1,676.42
64	Sch Q Hydro (<100 KW) 15.400	107	Diesel ECRC Fossil Cost \$3,678,488
65	FIT 23.800	108	Diesel Base ECRC Recovery Target \$2,395,560
		109	Diesel differential \$1,282,928
		110	Total Fossil \$2,167,196
66	PURCHASED ENERGY KWH MIX, %, HEP, Fossil 15.443	111	2% of above \$43,344
		112	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year \$164,742
67	PURCHASED ENERGY KWH MIX, %, Renewable PGV On Peak 19.420	113	Maximum Annual Cap (bi-directional) \$600,000
68	PGV Off Peak 12.196	114	Number of Days in year from implementation 365
69	PGV - Add'l On Peak 3.884	115	Fossil Risk % Proration (based on 365 day year) 100.00%
70	PGV - Add'l Off Peak 2.772	116	Maximum Annual Cap (bi-directional) prorated \$600,000
71	PGV - Add'l 8 MW On Peak 5.962	117	Applicable Monthly Fossil Fuel Cost Risk Sharing \$43,344
72	PGV - Add'l 8 MW Off Peak 6.057	118	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month \$208,086
73	Wailuku Hydro On Peak 3.665		
74	Wailuku Hydro Off Peak 2.624	119	Fossil Cost Risk Sharing before taxes \$43,344
75	Hawi Renewable Dev. On Peak 3.698	120	Revenue Tax Adjustment 1,097,514
76	Hawi Renewable Dev. Off Peak 1.593	121	Fossil Cost Risk Sharing w/revenue tax \$47,571
77	Tawhiri (Pakini Nui) On Peak 9.933	122	Forecasted Month MWh Sales 83,038
78	Tawhiri (Pakini Nui) Off Peak 6.476	123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh -0.0573
79	HEP Biodiesel 5.093		
80	Small Hydro (>100 KW) On Peak 0.000		
81	Small Hydro (>100 KW) Off Peak 0.000		
81a	CBRE 0.258		
82	Sch Q Hydro (<100 KW) 0.200		
83	FIT 0.727		
83a	Comp. Cost Purchased Energy Fossil, ¢/kWh 18.4950	93A	Ocean Cargo Insurance Exp, \$000 \$13.1
83b	Comp. Cost Purchased Energy Renewable, ¢/kWh 14.1696		
84	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh 14.838		
85	% Input to System kWh Mix 58.737	93B	Revenue Tax Adjustment 1,097,514
86	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) 8.71540	93C	Non-Adj Revenues, \$000 \$14.4
		93D	2019 TY Sales, MWh 1,061,718
87	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh 0.000		
88	Base % Input to Sys kWh Mix 0.00		
89	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88)) 0.00000	93E	Non-Adj Revenues, ¢/kWh 0.00135
90	COST LESS BASE (Lines (86 - 89)) 8.71540		
91	Loss Factor 1.062		
92	Revenue Tax * 1.0975		
93	PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92)) 10.15819		
		<b>Line</b>	<b>SYSTEM COMPOSITE</b>
		124	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) 18.60779
		125	Fossil Fuel Cost Risk Sharing Component (Line 123) (0.057)
		126	Non-Adjustable Component (Line 93E) 0.00135
		127	ECA Reconciliation Adjustment 0.036
		128	ECA FACTOR, ¢/kWh (Lines (124 + 125 + 126 + 127)) 18.588

**Hawaii Electric Light Company, Inc.**  
FUEL OIL INVENTORY PRICES FOR September 1, 2021

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	80.7904	80.7904
Land Transportation Cost - \$/BBL	--	1.3631
Industrial Costs For Filing - \$/BBL	80.7904	82.1535
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,282.39	1,304.02

**DIESEL FUEL COSTS:**

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	95.0226	95.0226	95.0226
Land Transportation Cost - \$/BBL	3.4419	2.9096	1.4875
Diesel Costs For Filing - \$/BBL	98.4646	97.9322	96.5101
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,680.28	1,671.20	1,646.93

**ULSD FUEL COSTS:**

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	81.8965	81.8965	81.8965	81.8965
Land Transportation Cost - \$/BBL	3.5871	2.7376	1.0773	-
ULSD Costs For Filing - \$/BBL	85.4836	84.6341	82.9738	81.8965
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,491.86	1,477.04	1,448.06	1,429.26

**Dispersed Generation, cents per kWh**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	0.0000
\$/BBI Inv Cost:	81.8965
Fuel \$ (Prod Sim Consumption x Unit Cost)	0.00
Net kWh (from Prod Sim)	0
cents/kWh:	#DIV/0!

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
September 2021

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 07/31/2021	0	0.00	32,042	2,439,156.23			
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	(20,547)	(1,532,836.32)			
Actual	0	0.00	23,097	1,781,774.37			
Consumed: Estimate	0	0.00	24,816	1,845,004.63			
Actual	0	0.00	(26,551)	(1,987,646.03)			
Balance Per G/L 07/31/2021	<u>0</u>	<u>0.00</u>	<u>32,857</u>	<u>2,545,452.88</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	37,047	2,923,921.10			
Consumed	<u>0</u>	<u>0.00</u>	<u>(34,903)</u>	<u>(2,657,002.41)</u>	106.5901	0.0000	106.5901
Balance @ 08/31/2021	0	0.00	35,001	2,812,371.57			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 08/31/2021	<u>0</u>	<u>0.00</u>	<u>35,001</u>	<u>2,812,371.57</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,812,371.57)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,827,744.26			
Total @ 09/01/2021 Avg Price	<u>0</u>	<u>0.00</u>	<u>35,001</u>	<u>2,827,744.26</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 80.3512

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 80.7904

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
September 2021

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 07/31/2021	8,822	638,153.91	11,287.58			
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	(11,369)	(840,987.49)	(14,953.76)			
Actual	9,729	735,899.62	12,749.30			
Consumed: Estimate	9,492	705,705.35	12,422.20			
Actual	<u>(7,324)</u>	<u>(514,335.52)</u>	<u>(8,996.93)</u>			
Balance Per G/L 07/31/2021	<u>9,350</u>	<u>724,435.87</u>	<u>12,508.40</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	9,556	771,808	12,569.10			
Consumed	(8,293)	<u>(631,307.37)</u>	(10,610.74)	76.1253	1.2795	77.4048
Balance @ 08/31/2021	<u>10,613</u>	<u>864,936.14</u>	<u>14,466.76</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>10,613</u>	<u>864,936.14</u>	<u>14,466.76</u>		<u>1.3631</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(864,936.14)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	857,428.35	XXXXXXXXXXXX			
Total @ 09/01/2021 Avg Price	<u>10,613</u>	<u>857,428.35</u>	<u>14,466.76</u>			

Weighted Avg Cost/BBL by Location

81.4978

1.3631

Weighted Avg Cost/BBL @ Avg Cost

80.7904

1.3631

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
September 2021

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 07/31/2021	41,615.8	1,747,865.0	3,785,356.4	143,502.0			
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		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfers in: Estimate	(38,138.2)	(1,601,804.0)	(3,420,884.2)	(126,382.3)			
Actual	38,737.7	1,626,985.0	3,526,019.7	129,265.50			
Consumed: Estimate	42,300.4	1,776,615.0	3,600,553.0	134,285.84			
Actual	(40,358.5)	(1,695,056.0)	(3,452,551.6)	(123,170.8)	85.5471		
Balance Per G/L 07/31/2021	44,157.3	1,854,605	4,038,493.30	157,500.23	91.4571		
Purchases	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	40,658.2	1,707,644.0	3,808,736.9	134,733.1	93.6770		
Consumed	(48,043.0)	(2,017,807.0)	(4,407,171.6)	(165,664.59)	91.7339	3.4483	95.1821
Balance @ 08/31/2021	36,772.4	1,544,442	3,440,058.59	126,568.75	93.5499		
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	36,772.4	1,544,442	3,440,058.59	126,568.75	93.5499		
Reverse Fuel Balance	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	(3,440,058.6)	xxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx	3,494,212.6	xxxxxxxxxxxxxx			
Total @ 09/01/2021 Avg Price	36,772.4	1,544,442	3,494,212.59	126,568.75	95.0226		

Weighted Avg Cost/BBL by Location

93.5499

3.4419

Weighted Avg Cost/BBL @ Avg Cost

95.0226

3.4419



HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
September 2021

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 07/31/2021	4,990.5	209,602.0	471,436.9	7,209.0			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(5,047.2)	(211,981.0)	(468,439.5)	(6,507.8)			
Actual	4,762.4	200,021.0	456,006.2	6,308.1			
Consumed: Estimate	5,284.9	221,966.0	449,844.4	7,006.5			
Actual	(4,482.8)	(188,276.0)	(405,111.2)	(5,882.5)			
Balance Per G/L 07/31/2021	5,507.9	231,332	503,736.77	8,133.24			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	10,992.1	461,670.0	1,042,257.1	14,173.3	94.8184		
Consumed	(17,543.4)	(736,821)	#####	(25,342.09)	91.7339	1.4445	93.1784
Balance @ 08/31/2021	(1,043.3)	(43,819)	(63,325.83)	(3,035.58)	60.6971		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 08/31/2021	(1,043.3)	(43,819)	(63,325.83)	(3,035.58)	60.6971		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	63,325.83	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	(99,138.01)	XXXXXXXXXXXXXXXXXX			
Total @ 09/01/2021 Avg Price	(1,043.3)	(43,819)	(99,138.01)	(3,035.58)	95.0226		

Weighted Avg Cost/BBL by Location 60.6971 2.9096

Weighted Avg Cost/BBL @ Avg Cost 95.0226 2.9096

HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
September 2021

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 07/31/2021	1534.8	64,461	133,660	1,634			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Actual		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Actual		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfers in: Estimate	1.9	79.0	0.0	2.1			
Actual	-1.9	-79.0	0.0	0.0			
Consumed: Estimate	376.4	15809.0	32039.1	393.6			
Actual	-314.3	-13200.0	-19651.0	-332.2			
Balance Per G/L 07/31/2021	1596.9	67,070	146,048.21	1,697.84	91.4571		
Purchases	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer in	2067.1	86818.0	198683.1	2352.8	#DIV/0!		
Consumed	-3311.3	-139073.0	-303754.8	-3525.9	91.7339	1.0648	92.7987
Balance @ 08/31/2021	352.7	14,815	40,976.54	524.70	116.1670		
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	352.7	14,815	40,976.54	524.70	116.1670		
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	-40,976.54	XXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	33,518.10	XXXXXXXXXX			
Total @ 09/01/2021 Avg Price	352.7	14,815	33,518.10	524.70	95.0226		
Weighted Avg Cost/BBL by Location			116.1670	1.4875			
Weighted Avg Cost/BBL @ Avg Cost			95.0226	1.4875			

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
September 2021

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 07/31/2021	2,260.7	94,948	179,447.17	7,482.00			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(18,034.80)	(629.62)			
Actual	188.6	7,920	17,925.95	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(270)	0.00	(20.09)			
Actual		68	0.00	624.89			
Consumed: Estimate	149.0	6,258	11,630.13	487.74			
Actual	(106.4)	(4,468)	(8,436.06)	248.20	79.3005		
Balance Per G/L 07/31/2021	2,297.0	96,476	182,532.39	8,193.12	79.4639		
Purchases	188.3	7,907	18,102.69	623.86	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	(0.4)	(18)	0.00	(1.42)	0.00		
Consumed	(353.0)	(14,826)	(28,054.95)	(1,168.30)	79.4758	3.3096	82.7854
Balance @ 08/31/2021	2,131.9	89,539	172,580.12	7,647.26	80.9520		
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	2,131.9	89,539	172,580.12	7,647.26	80.9520		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxxx	(172,580.12)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxxx	174,593.60	xxxxxxxxxxxx			
Total @ 09/01/2021 Avg Price	2,131.9	89,539	174,593.60	7,647.26	81.8965		
Weighted Avg Cost/BBL by Location			80.9520	3.5871			
Weighted Avg Cost/BBL @ Avg Cost			81.8965	3.5871			

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
September 2021

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 07/31/2021	831.0	34,901.0	69,826.6	2,277.58			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(18,034.80)	(524.29)			
Actual		7,916.0	17,916.9	0.00			
Transfers out: Estimate		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Transfers in: Estimate	3.9	164	0.00	0.00			
Actual	0.6	24	0.00	520.08			
Consumed: Estimate	98.3	4,127	7,669.79	265.01			
Actual	(83.4)	(3,504)	(9,932.55)	(225.00)			
Balance Per G/L 07/31/2021	848.8	35,648	67,445.95	2,313.38	79.4639		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	190.0	7,980	18,274.20	524.29			
Transfer in	xxxxxxxxxxxxx	(106)	0.00	0.00	#DIV/0!		
Consumed	(257.0)	(10,796)	(20,429.06)	(704.53)	79.4758	2.7408	82.2166
Balance @ 08/31/2021	779.2	32,726	65,291.09	2,133.14	83.7935		
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	779.2	32,726	65,291.09	2,133.14	83.7935		
Reverse Fuel Balance	xxxxxxxxxxxxx	xxxxxxxxxxxxx	(65,291.09)	xxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxx	xxxxxxxxxxxxx	63,812.98	xxxxxxxxxxxxx			
Total @ 09/01/2021 Avg Price	779.2	32,726	63,812.98	2,133.14	81.8965		
Weighted Avg Cost/BBL by Location			83.7935	2.7376			
Weighted Avg Cost/BBL @ Avg Cost			81.8965	2.7376			

HAWAII ELECTRIC LIGHT CO., INC.  
Estimated Weighted Average  
September 2021

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 07/31/2021	1,169.4	49,116.0	92,617.8	1,230.3
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	0.0	0	0.00	0.00
Actual	0.0	0	0.00	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		0	0.00	0.00
Actual		0	0.00	0.00
Consumed: Estimate	53.5	2,248	4,177.78	55.86
Actual	(50.8)	(2,132)	(3,648.74)	(39.90)
Balance Per G/L 07/31/2021	1,172.2	49,232	93,146.84	1,246.28
ULSD Purchases	189	7,917	18,125.60	214.55
Estimated Purchases	0	-	-	-
Transfer in	(0)	(2)	0.00	(0.05)
Consumed	(201.0)	(8,442)	(15,974.63)	(211.47)
Balance @ 08/31/2021	1,159.6	48,705	95,297.81	1,249.31
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	1,159.6	48,705	95,297.81	1,249.31
Reverse Fuel Balance	x	x	(95,297.81)	x
Fuel Balance @ Avg Price	x	x	94,970.70	x
Total @ 09/01/2021 Avg Price	1,159.6	48,705	94,970.70	1,249.31

Weighted Avg Cost/BBL by Location

82.1786 1.0773

Weighted Avg Cost/BBL @ Avg Cost

81.8965 1.0773

**HAWAII ELECTRIC LIGHT CO., INC.**  
Estimated Weighted Average  
September 2021

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 07/31/2021	146.1	6,135	8,369.59	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	(31.0)	(1,300)	(2,938.00)	
Actual	30.7	1,288	2,915.24	
Consumed: Estimate	12.5	524	973.82	
Actual	(11.2)	(471)	2,364.32	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 07/31/2021	147.05	6,176	11,684.98	79.4639
Purchases	9.4	395	904.35	96.1587
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(52.1)	(2,190)	(4,144.09)	79.4758
Balance @ 08/31/2021	125.7	5,281	10,505.78	83.5529
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 08/31/2021	125.7	5,281	10,505.78	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(10,505.78)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	10,297.51	xxxx
Total @ 09/01/2021 Avg Price	125.7	5,281	10,297.51	81.8965

**Hawaii Electric Light Company, Inc.**  
PURCHASED POWER PRICES FOR September 1, 2021

		September 1, 2021 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	16.050	6.560
PGV (22 MW)	- off peak	15.510	5.430
WAILUKU HYDRO	- on peak	16.050	7.240
	off peak	15.510	5.970
Other: (<100 KW)	Sch Q Rate	15.400	

		September 1, 2021 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		18.495	
PGV Addtl 5 MW	- on peak	13.450	0.0000
	- off peak	13.450	0.0000
PGV Addtl 8 MW	- on peak	6.840	0.0000
	- off peak	6.840	0.0000

**Hawaii Electric Light Company, Inc.**  
**Energy Cost Reconciliation Adjustment**  
September 1, 2021

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	\$80,900
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	\$26,967
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$29,596
5	Estimated MWh Sales (September 1, 2021)	83,038 mwh
6	Adjustment (Line 4 / Line 5)	0.036 ¢/kwh



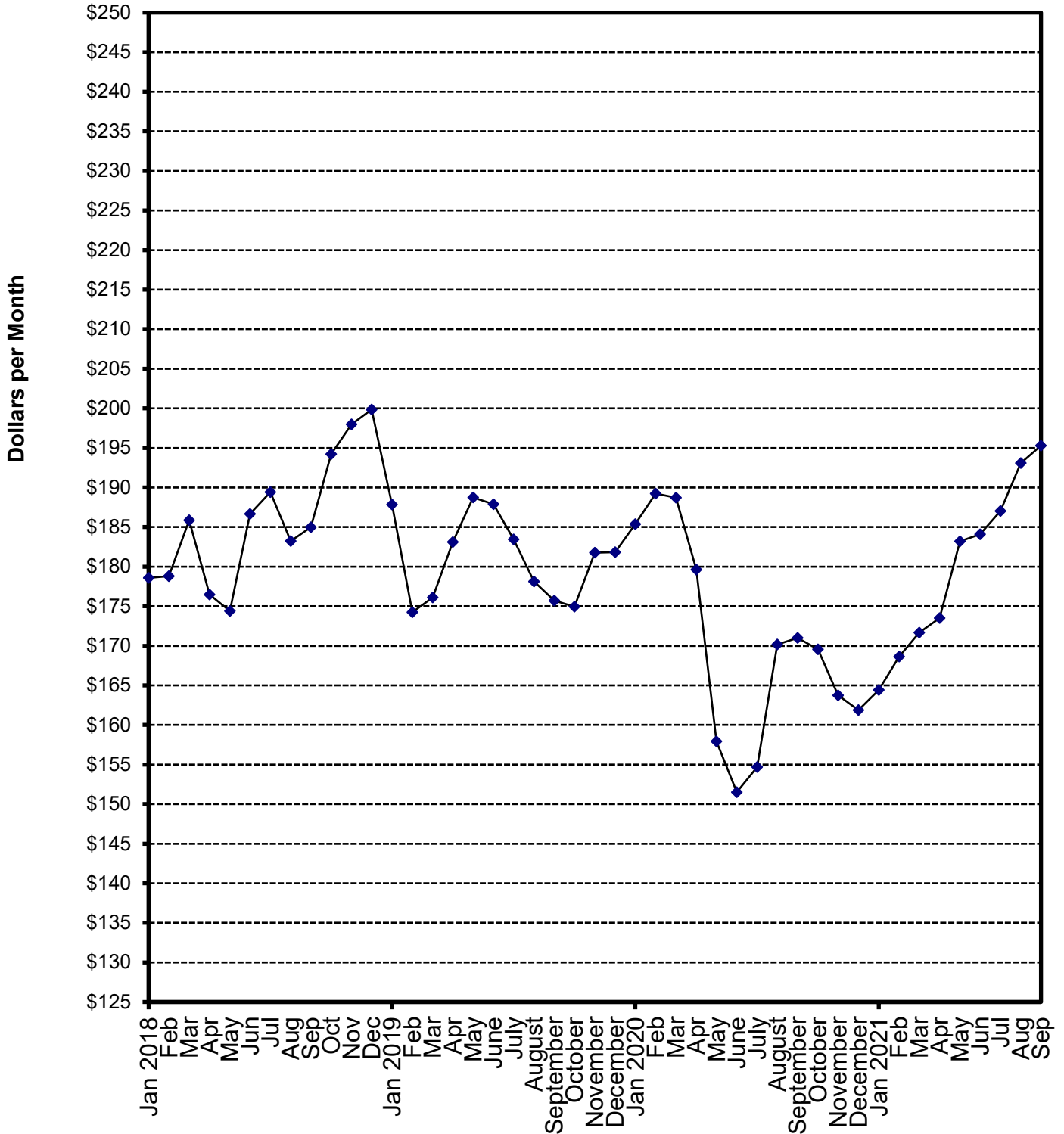
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2021 Cumulative Reconciliation Balance

Month	(1) YTD FOA Reconciliation	Qtr	(2) FOA Rec Adjust Variance	(3) FOA Rec Less Variance	(4) Try to Collect	(5) Actual Collect	(6) Month-end Cumulative Balance
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	115,511	(101,030)
October					119,767	117,423	16,393
November	784,000	[3]	(16,667)	800,667	(261,333)	(266,872)	550,188
December					(261,333)	(262,859)	287,329
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		
September					26,967		

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 CENTS / KWH</u>		<u>RESIDENTIAL BILL (\$)</u>	
	<u>RESIDENTIAL &amp; COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>@ 600 KWH</u>	
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	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	

**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
<b>5/1/2021</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
6/1/2021-6/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2333 CENTS/KWH
<b>6/1/2021</b>	<b>RBA RATE ADJUSTMENT</b>	<b>-0.0299 CENTS/KWH</b>
<b>7/1/2021</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.19 DOLLARS/MONTH</b>
7/1/2021-7/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4649 CENTS/KWH
<b>7/1/2021</b>	<b>RESIDENTIAL PBF SURCHARGE ADJUSTMENT</b>	<b>0.6478 CENTS/KWH</b>
8/1/2021-8/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4876 CENTS/KWH
<b>8/1/2021</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>0.0893 CENTS/KWH</b>
9/1/2021-9/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4776 CENTS/KWH

\*\*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			
	8/01/21	9/01/21	8/01/21	9/01/21	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	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
<b>Total Base Charges</b>				\$85.24	\$85.24	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	(0.0299)	(0.0299)	-\$0.15	-\$0.15	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.4876	2.4776	\$12.44	\$12.39	-\$0.05
<b>PBF Surcharge</b>	¢/kwh	0.6478	0.6478	\$3.24	\$3.24	\$0.00
<b>DSM Adjustment</b>	¢/kwh	0.0893	0.0893	\$0.45	\$0.45	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	18.1340	18.5880	\$90.67	\$92.94	\$2.27
<b>Green Infrastructure Fee</b>	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
<b>Avg Residential Bill at 500 kwh</b>				\$193.08	\$195.30	

Increase (Decrease -)	\$2.22
% Change	1.15%

	Rate		Charge (\$) at 600 Kwh			
	8/01/21	9/01/21	8/01/21	9/01/21	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	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
<b>Total Base Charges</b>				\$101.99	\$101.99	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	(0.0299)	(0.0299)	-\$0.18	-\$0.18	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.4876	2.4776	\$14.93	\$14.87	-\$0.06
<b>PBF Surcharge</b>	¢/kwh	0.6478	0.6478	\$3.89	\$3.89	\$0.00
<b>DSM Adjustment</b>	¢/kwh	0.0893	0.0893	\$0.54	\$0.54	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	18.1340	18.5880	\$108.80	\$111.53	\$2.73
<b>Green Infrastructure Fee</b>	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
<b>Avg Residential Bill at 600 kwh</b>				\$231.16	\$233.83	

Increase (Decrease -)	\$2.67
% Change	1.16%

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