



September 28, 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 October 2021

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") October 2021 Energy Cost Recovery factor is 18.447 cents per kilowatt-hour ("kWh"), a decrease of 0.141 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$194.63, a decrease of \$0.67 compared to rates effective September 1, 2021. The decrease in the typical residential bill is due to the decrease in the Energy Cost Recovery factor (-\$0.70), partially offset by the increase in the Purchased Power Adjustment Clause (+\$0.03).

Hawai'i Electric Light's fuel composite cost of generation decreased 10.46 cents per million BTU to 1,470.47 cents per million BTU. The composite cost of distributed generation remains at 0 cents per kWh. The composite cost of purchased energy increased 0.072 cents per kWh to 14.910 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 October 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>9/01/21</u>	<u>10/01/21</u>	<u>Change</u>
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Composite Cost

Generation, ¢/mmbtu	1,480.93	1,470.47	(10.46)
Dispersed Generation Energy, ¢/kWh	0.00	0.000	0.000
Purchased Energy, ¢/kWh	14.838	14.910	0.072

Residential Schedule "R"

Energy Cost Recovery - ¢/kWh	18.588	18.447	(0.141)
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Others - "G,J,P,F"

Energy Cost Recovery - ¢/kWh	18.588	18.447	(0.141)
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Residential Customer with:

500 KWH Consumption - \$/Bill	195.30	\$194.63	(\$0.67)
600 KWH Consumption - \$/Bill	233.83	\$233.01	(\$0.82)

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

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

Line	Effective Date	Supercedes Factors of
1	October 1, 2021	
2	September 1, 2021	

GENERATION COMPONENT

CENTRAL STATION WITH WIND/HYDRO COMPONENT				DG ENERGY COMPONENT			
FUEL PRICES, ¢/mmbtu							
3				35	COMPOSITE COST OF DG ENERGY, ¢/kWh		0.000
4	Hill Industrial		1,276.39	36	% Input to System kWh Mix		0.000
5	Puna Industrial		1,300.13	37	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36)		0.00000
6	Keahole Diesel		1,653.29	38	BASE DG ENERGY COMPOSITE COST		0.000
6a	Keahole ULSD		1,518.38	39	Base % Input to System kWh Mix		0.00
7	Waimea ULSD Diesel		1,497.66	40	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39)		0.00000
8	Hilo Diesel		1,604.98	41	Cost Less Base (Line 37 - 40)		0.00000
8a	Hilo (Kanoelehua) ULSD Diesel ¹		1,469.01	42	Loss Factor		1.062
9	Puna Diesel		1,600.44	43	Revenue Tax Req Multiplier		1.0975
10	Wind		0.00	44	DG FACTOR, ¢/kWh (Line 41 x 42 x 43)		0.00000
11	Hydro		0.00				
BTU MIX, %							
12							
13	Hill Industrial		40.834				
14	Puna Industrial		6.368				
15	Keahole Diesel		47.109				
15a	Keahole ULSD		0.205				
16	Waimea ULSD Diesel		0.325				
17	Hilo Diesel		0.429				
17a	Hilo (Kanoelehua) ULSD Diesel ¹		0.105				
18	Puna Diesel		4.451				
19	Wind		0.000				
20	Hydro		0.175				
			100.00000				
21	COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu		1,470.47				
22	% Input to System kWh Mix		38.887				
EFFICIENCY FACTOR, mmbtu/kWh							
	(A)	(B)	(C)	(D)			
		Eff Factor	Percent of	Weighted			
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	<u>Centrl Stn + Wind/Hydro</u>	<u>Eff Factor</u>			
23	Industrial	0.014663	47.202	0.006921			
24	Diesel	0.010557	52.623	0.005555			
25	Other	0.012087	0.175	0.000021			
			100.0000				
26	Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]			0.0124970			
27	WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))			7.14606			
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)			7.14606			
33	Revenue Tax Req Multiplier			1.0975			
34	CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33))			7.84280			
				SUMMARY OF			
				TOTAL GENERATION FACTOR, ¢/kWh			
45	Cntrl Stn+Wind/Hydro (line 34)			7.84280			
46	DG (line 44)			0.00000			
47	TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46)			7.84280			

¹ Hilo ULSD same location as Kanoelehua ULSD

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

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	80.4127	80.4127
Land Transportation Cost - \$/BBL	--	1.4955
Industrial Costs For Filing - \$/BBL	80.4127	81.9082
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,276.39	1,300.13

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	93.0507	93.0507	93.0507
Land Transportation Cost - \$/BBL	3.8318	0.7349	1.0014
Diesel Costs For Filing - \$/BBL	96.8825	93.7856	94.0521
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,653.29	1,600.44	1,604.98

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	83.0198	83.0198	83.0198	83.0198
Land Transportation Cost - \$/BBL	3.9834	2.7964	1.1544	-
ULSD Costs For Filing - \$/BBL	87.0032	85.8162	84.1742	83.0198
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,518.38	1,497.66	1,469.01	1,448.86

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	0.0000
\$/BBI Inv Cost:	83.0198
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
October 2021

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 08/31/2021	0	0.00	35,001	2,812,671.57			
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	(37,047)	(2,923,921.10)			
Actual	0	0.00	31,987	2,632,113.26			
Consumed: Estimate	0	0.00	34,903	2,657,002.41			
Actual	0	0.00	(29,562)	(2,260,652.77)			
Balance Per G/L 08/31/2021	0	0.00	35,282	2,917,213.37			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	22,250	1,743,827.71			
Consumed	0	0.00	(19,967)	(1,613,141.61)	106.5901	0.0000	106.5901
Balance @ 09/30/2021	0	0.00	37,565	3,047,899.47			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 09/30/2021	0	0.00	37,565	3,047,899.47			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(3,047,899.47)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	3,020,704.48			
Total @ 10/01/2021 Avg Price	0	0.00	37,565	3,020,704.48			

Weighted Avg Cost/BBL by Location #DIV/0! 81.1367

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 80.4127

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 08/31/2021	10,613	864,936.14	14,466.76			
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	(9,556)	(771,807.63)	(12,569.10)			
Actual	9,503	833,871.31	13,089.97			
Consumed: Estimate	8,293	631,307.37	10,610.74			
Actual	<u>(10,479)</u>	<u>(865,921.69)</u>	<u>(12,805.18)</u>			
Balance Per G/L 08/31/2021	<u>8,374</u>	<u>692,385.49</u>	<u>12,793.19</u>			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	10,684	849,560	14,052.77			
Consumed	(12,504)	<u>(1,010,202.97)</u>	(17,044.42)	80.7904	1.3631	82.1535
Balance @ 09/30/2021	<u>6,554</u>	<u>531,742.81</u>	<u>9,801.54</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>6,554</u>	<u>531,742.81</u>	<u>9,801.54</u>		<u>1.4955</u>	
Reverse Fuel Balance	XXXXXXXXXXXX	(531,742.81)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	527,025.08	XXXXXXXXXXXX			
Total @ 10/01/2021 Avg Price	<u>6,554</u>	<u>527,025.08</u>	<u>9,801.54</u>			
Weighted Avg Cost/BBL by Location		81.1326	1.4955			
Weighted Avg Cost/BBL @ Avg Cost		80.4127	1.4955			

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

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	BARREL LT	TOTAL
Balance at 08/31/2021	36,772.4	1,544,442.0	3,440,058.6	126,568.8			
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		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(40,658.2)	(1,707,644.0)	(3,808,736.9)	(134,733.1)			
Actual	40,717.2	1,710,121.0	4,421,041.8	155,502.27			
Consumed: Estimate	48,043.0	2,017,807.0	4,407,171.6	165,664.59			
Actual	(40,927.8)	(1,718,968.0)	(4,288,465.2)	(136,424.8)	104.7812		
Balance Per G/L 08/31/2021	43,946.6	1,845,758	4,171,069.84	176,577.70	94.9122		
Purchases	xxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer out	xxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfer in	33,838.5	1,421,219.0	3,138,219.8	112,134.2	92.7410		
Consumed	(23,969.2)	(1,006,706.0)	(2,277,615.3)	(82,500.68)	95.0226	3.4419	98.4646
Balance @ 09/30/2021	53,816.0	2,260,271	5,031,674.29	206,211.20	93.4978		
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	53,816.0	2,260,271	5,031,674.29	206,211.20	93.4978		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxxx	(5,031,674.3)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxxxx	5,007,616.0	xxxxxxxxxxxx			
Total @ 10/01/2021 Avg Price	53,816.0	2,260,271	5,007,616.04	206,211.20	93.0507		

Weighted Avg Cost/BBL by Location	93.4978	3.8318
Weighted Avg Cost/BBL @ Avg Cost	93.0507	3.8318

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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 08/31/2021	(1,043.3)	(43,819.0)	(63,325.8)	(3,035.6)			
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	(10,992.1)	(461,670.0)	(1,042,257.1)	(14,173.3)			
Actual	12,697.2	533,282.0	1,209,781.2	16,246.7			
Consumed: Estimate	17,543.4	736,821.0	1,609,319.7	25,342.1			
Actual	(13,307.1)	(558,900.0)	(1,248,642.6)	(18,925.5)			
Balance Per G/L 08/31/2021	4,898.0	205,714	464,875.39	5,454.47			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	7,537.0	316,553.0	695,603.9	9,718.2	92.2922		
Consumed	(8,503.2)	(357,135)	(807,997.7)	(12,283.24)	95.0226	1.4445	96.4672
Balance @ 09/30/2021	3,931.7	165,132	352,481.56	2,889.41	89.6509		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 09/30/2021	3,931.7	165,132	352,481.56	2,889.41	89.6509		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	(352,481.56)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	365,848.90	XXXXXXXXXXXXXXXXXX			
Total @ 10/01/2021 Avg Price	3,931.7	165,132	365,848.90	2,889.41	93.0507		

Weighted Avg Cost/BBL by Location 89.6509 0.7349

Weighted Avg Cost/BBL @ Avg Cost 93.0507 0.7349

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 08/31/2021	352.7	14,815	40,977	525			
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	-2067.1	-86818.0	-198683.1	-2352.8			
Actual	2815.1	118234.0	270285.0	3204.1			
Consumed: Estimate	3311.3	139073.0	303754.8	3525.9			
Actual	-3033.4	-127403.0	-285487.8	-3315.6			
Balance Per G/L 08/31/2021	1378.6	57,901	130,845.49	1,586.37	94.9122		
Purchases	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer in	1127.1	47339.0	104373.4	1282.9	91.8915		
Consumed	-740.8	-31114.0	-70393.7	-1102.0	95.0226	1.4875	96.5101
Balance @ 09/30/2021	1,764.9	74,126	164,825.21	1,767.30	93.3904		
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	1,764.9	74,126	164,825.21	1,767.30	93.3904		
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	-164,825.21	XXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	164,225.68	XXXXXXXXXX			
Total @ 10/01/2021 Avg Price	1,764.9	74,126	164,225.68	1,767.30	93.0507		
Weighted Avg Cost/BBL by Location			93.3904	1.0014			
Weighted Avg Cost/BBL @ Avg Cost			93.0507	1.0014			

HAWAII ELECTRIC LIGHT CO., INC.

Estimated Weighted Average
October 2021

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 08/31/2021	779.2	32,726.0	65,291.1	2,133.14			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,980)	(18,274.20)	(524.29)			
Actual		7,909.0	18,107.3	0.00			
Transfers out: Estimate		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx			
Transfers in: Estimate	2.5	106	0.00	0.00			
Actual	2.5	103	0.00	519.62			
Consumed: Estimate	257.0	10,796	20,429.06	704.53			
Actual	(209.0)	(8,776)	(17,361.41)	(517.53)			
Balance Per G/L 08/31/2021	830.6	34,884	68,191.81	2,315.47	82.1023		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxxx	9	0.00	0.00	#DIV/0!		
Consumed	(131.8)	(5,537)	(10,796.69)	(360.91)	81.8965	2.7376	84.6341
Balance @ 09/30/2021	699.0	29,356	57,395.12	1,954.56	82.1159		
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	699.0	29,356	57,395.12	1,954.56	82.1159		
Reverse Fuel Balance	xxxxxxxxxxxxx	xxxxxxxxxxxxx	(57,395.12)	xxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxxx	xxxxxxxxxxxxx	58,026.87	xxxxxxxxxxxxx			
Total @ 10/01/2021 Avg Price	699.0	29,356	58,026.87	1,954.56	83.0198		
Weighted Avg Cost/BBL by Location			82.1159	2.7964			
Weighted Avg Cost/BBL @ Avg Cost			83.0198	2.7964			

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 08/31/2021	1,159.6	48,705.0	95,297.8	1249.3
Less: Est'd Inventory Addition	0.0	0	0.00	0.00
Purchases: Estimate	(188.5)	(7,917)	(18,125.60)	(214.55)
Actual	188.5	7,917	18,125.60	0.00
Transfers out: Estimate		x	x	x
Actual		x	x	x
Transfers in: Estimate		2	0.00	0.05
Actual		(2)	0.00	214.55
Consumed: Estimate	201.0	8,442	15,974.63	211.47
Actual	(166.7)	(7,001)	(13,246.22)	(86.93)
Balance Per G/L 08/31/2021	1,194.0	50,146	98,026.22	1,373.90
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	190	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(97.9)	(4,110)	(8,014.16)	(105.42)
Balance @ 09/30/2021	1,286.1	54,016	107,647.86	1,484.73
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	1,286.1	54,016	107,647.86	1,484.73
Reverse Fuel Balance	x	x	(107,647.86)	x
Fuel Balance @ Avg Price	x	x	106,771.35	x
Total @ 10/01/2021 Avg Price	1,286.1	54,016	106,771.35	1,484.73

Weighted Avg Cost/BBL by Location

83.7013 1.1544

Weighted Avg Cost/BBL @ Avg Cost

83.0198 1.1544

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 08/31/2021	125.7	5,281	10,505.78	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	(30.8)	(1,295)	(2,964.89)	
Actual	30.6	1,286	2,944.26	
Consumed: Estimate	52.1	2,190	4,144.09	
Actual	(52.7)	(2,215)	(4,372.32)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 08/31/2021	124.93	5,247	10,256.92	82.1023
Purchases	9.4	395	871.39	92.6541
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(6.3)	(263)	(512.83)	81.8965
Balance @ 09/30/2021	128.1	5,379	10,615.48	82.8872
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 09/30/2021	128.1	5,379	10,615.48	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(10,615.48)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	10,632.46	xxxx
Total @ 10/01/2021 Avg Price	128.1	5,379	10,632.46	83.0198

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

		<u>October 1, 2021</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	15.919	6.560
PGV (22 MW)	- off peak	15.317	5.430
WAILUKU HYDRO	- on peak	15.919	7.240
	off peak	15.317	5.970
Other: (<100 KW)	Sch Q Rate	15.250	
		<u>October 1, 2021</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		18.780	
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
October 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 (October 1, 2021)	86,146 mwh
6	Adjustment (Line 4 / Line 5)	0.034 ¢/kwh

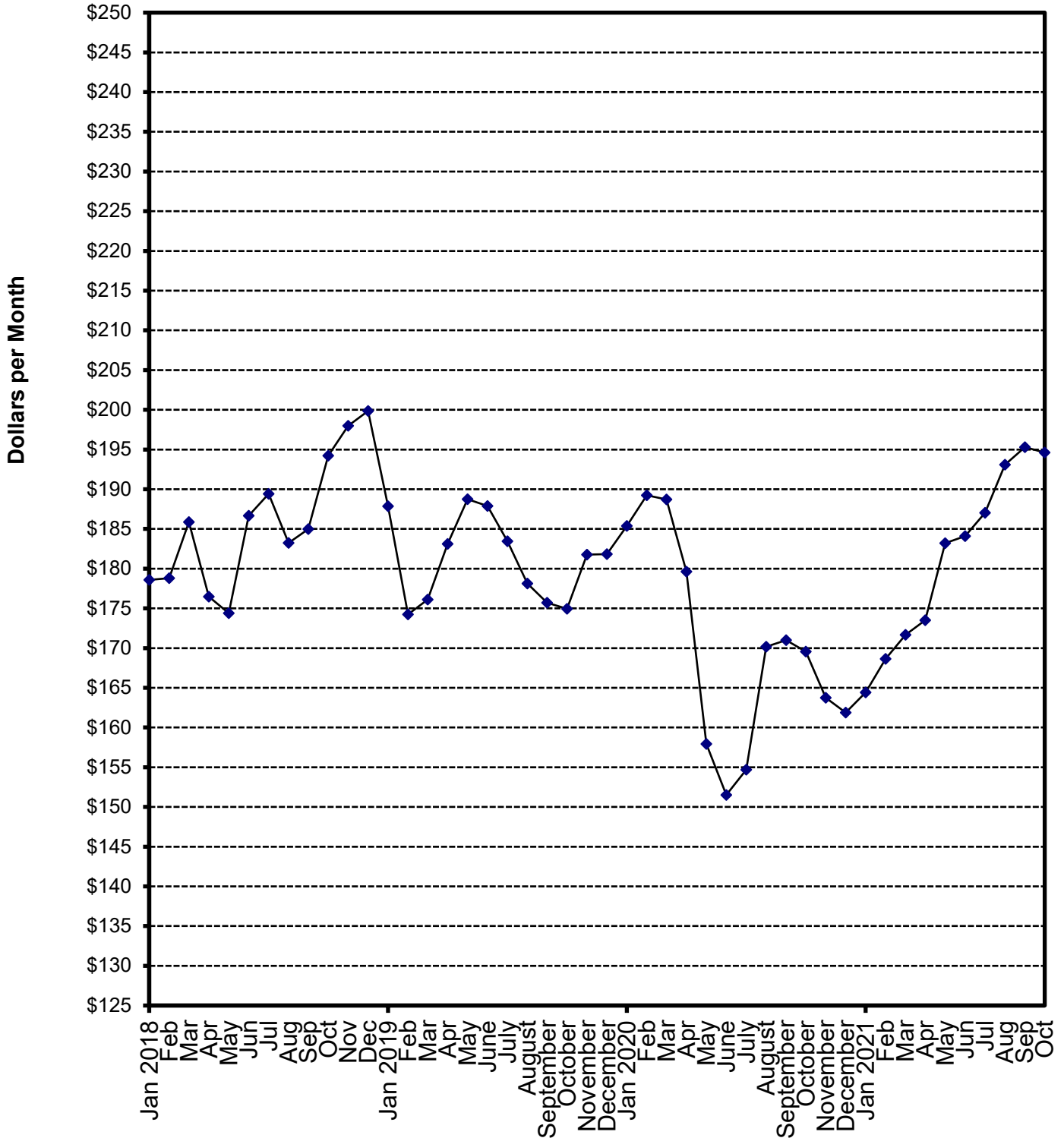
HAWAII ELECTRIC LIGHT COMPANY, INC.
2021 Cumulative Reconciliation Balance

<u>Month</u>	(1) <u>YTD FOA Reconciliation</u>	<u>Qtr</u>	(2) <u>FOA Rec Adjust Variance</u>	(3) <u>FOA Rec Less Variance</u>	(4) <u>Try to Collect</u>	(5) <u>Actual Collect</u>	(6) <u>Month-end Cumulative Balance</u>
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	29,218	1,232
September					26,967		
October					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 & 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	
October 1, 2021	18.447	194.63	233.01	

**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
11/1/2020	Final Rates (TY2019), Docket No. 2018-0368, Order No. 37395	
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	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2021-6/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2333 CENTS/KWH
6/1/2021	RBA RATE ADJUSTMENT	-0.0299 CENTS/KWH
7/1/2021	GREEN INFRASTRUCTURE FEE	1.19 DOLLARS/MONTH
7/1/2021-7/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4649 CENTS/KWH
7/1/2021	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	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

**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			
	9/01/21	10/01/21	9/01/21	10/01/21	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	¢/kwh	(0.0299)	(0.0299)	-\$0.15	-\$0.15	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.4776	2.4838	\$12.39	\$12.42	\$0.03
PBF Surcharge	¢/kwh	0.6478	0.6478	\$3.24	\$3.24	\$0.00
DSM Adjustment	¢/kwh	0.0893	0.0893	\$0.45	\$0.45	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	18.5880	18.4470	\$92.94	\$92.24	-\$0.70
Green Infrastructure Fee	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 500 kwh				\$195.30	\$194.63	

Increase (Decrease -)	-\$0.67
% Change	% Change -0.34%

	Rate		Charge (\$) at 600 Kwh			
	9/01/21	10/01/21	9/01/21	10/01/21	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	¢/kwh	(0.0299)	(0.0299)	-\$0.18	-\$0.18	\$0.00
Purchased Power Adj. Clause	¢/kwh	2.4776	2.4838	\$14.87	\$14.90	\$0.03
PBF Surcharge	¢/kwh	0.6478	0.6478	\$3.89	\$3.89	\$0.00
DSM Adjustment	¢/kwh	0.0893	0.0893	\$0.54	\$0.54	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	18.5880	18.4470	\$111.53	\$110.68	-\$0.85
Green Infrastructure Fee	\$	1.19	1.19	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 600 kwh				\$233.83	\$233.01	

Increase (Decrease -)	-\$0.82
% Change	% Change -0.35%

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