



November 26, 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 December 2021

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") December 2021 Energy Cost Recovery factor is 20.549 cents per kilowatt-hour ("kWh"), an increase of 1.079 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$202.87, an increase of \$5.65 compared to rates effective November 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery factor (+\$5.40) and the increase in the Purchase Power Adjustment (+\$0.25).

Hawai'i Electric Light's fuel composite cost of generation increased 124.96 cents per million BTU to 1,624.51 cents per million BTU. The composite cost of distributed generation remains at 0 cents per kWh. The composite cost of purchased energy increased 0.541 cents per kWh to 16.092 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 December 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 FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>11/01/21</u>	<u>12/01/21</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,499.55	1,624.51	124.96
Dispersed Generation Energy, ¢/kWh	0.00	0.000	0.000
Purchased Energy, ¢/kWh	15.551	16.092	0.541
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	19.470	20.549	1.079
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	19.470	20.549	1.079
Residential Customer with:			
500 KWH Consumption - \$/Bill	197.22	\$202.87	\$5.65
600 KWH Consumption - \$/Bill	236.14	\$242.91	\$6.77





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

**INDUSTRIAL FUEL COSTS:**

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	90.3353	90.3353
Land Transportation Cost - \$/BBL	--	1.4795
Industrial Costs For Filing - \$/BBL	90.3353	91.8148
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,433.89	1,457.38

**DIESEL FUEL COSTS:**

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	102.9177	102.9177	102.9177
Land Transportation Cost - \$/BBL	3.8262	2.2740	1.5480
Diesel Costs For Filing - \$/BBL	106.7439	105.1917	104.4658
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,821.57	1,795.08	1,782.69

**ULSD FUEL COSTS:**

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	89.2414	89.2414	89.2414	89.2414
Land Transportation Cost - \$/BBL	4.3019	2.8061	1.0932	-
ULSD Costs For Filing - \$/BBL	93.5433	92.0474	90.3345	89.2414
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,632.52	1,606.41	1,576.52	1,557.44

**Dispersed Generation, cents per kWh**

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	0.0000
\$/BBI Inv Cost:	89.2414
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  
December 2021

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 10/31/2021	0	0.00	30,716	2,492,159.34			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxx	xxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxx	xxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxx	xxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxx	xxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	#####	(1,974,475.87)			
Actual	0	0.00	27,811	2,255,080.61			
Consumed: Estimate	0	0.00	29,173	2,345,880.79			
Actual	0	0.00	#####	(2,419,702.52)			
Balance Per G/L 10/31/2021	0	0.00	32,119	2,698,942.34			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxx	xxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxx	xxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	26,485	2,380,824.40			
Consumed	0	0.00	#####	(2,470,841.71)	106.5901	0.0000	106.5901
Balance @ 11/30/2021	0	0.00	28,847	2,608,925.03			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 11/30/2021	0	0.00	28,847	2,608,925.03			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,608,925.03)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,605,901.93			
Total @ 12/01/2021 Avg Price	0	0.00	28,847	2,605,901.93			

Weighted Avg Cost/BBL by Location                   #DIV/0!                   90.4401  
Weighted Avg Cost/BBL @ Avg Cost                   #DIV/0!                   90.3353

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

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 10/31/2021	10,735	914,579.57	10,826.77			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Actual	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Transfers out: Estimate	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Actual	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(8,692)	(708,671.36)	(11,432.67)			
Actual	8,400	673,871.79	10,926.28			
Consumed: Estimate	6,648	534,583.88	9,942.12			
Actual	(9,206)	(751,791.56)	(9,003.11)			
Balance Per G/L 10/31/2021	<u>7,885</u>	<u>662,572.32</u>	<u>11,259.39</u>			
Purchases	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Transfer out	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Transfer in	3,404	300,347	4,477.32			
Consumed	(2,050)	<u>(170,219.63)</u>	(2,067.53)	83.0340	1.0085	84.0425
Balance @ 11/30/2021	<u>9,239</u>	<u>792,699.51</u>	<u>13,669.18</u>			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	<u>9,239</u>	<u>792,699.51</u>	<u>13,669.18</u>		<u>1.4795</u>	
Reverse Fuel Balance	XXXXXXXXXX	(792,699.51)	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXX	834,607.69	XXXXXXXXXXXXXXXXXXXXXXXXXX			
Total @ 12/01/2021 Avg Price	<u>9,239</u>	<u>834,607.69</u>	<u>13,669.18</u>			

Weighted Avg Cost/BBL by Location

85.7993

1.4795

Weighted Avg Cost/BBL @ Avg Cost

90.3353

1.4795

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

KEAHOLE DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 10/31/2021	49,190.2	2,065,990.0	4,579,971.2	205,258.4			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Transfers out: Estimate		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfers in: Estimate	(22,880.4)	(960,977.0)	(2,154,310.8)	(75,821.1)			
Actual	24,359.8	1,023,110.0	2,665,747.6	93,489.55			
Consumed: Estimate	27,129.3	1,139,430.0	2,524,399.9	103,953.56			
Actual	(29,648.1)	(1,245,221.0)	(3,030,922.9)	(115,567.5)	102.2299		
Balance Per G/L 10/31/2021	48,150.8	2,022,332	4,584,884.96	211,312.88	95.2194		
Purchases	xxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
Transfer in	31,827.1	1,336,737.0	3,178,493.4	105,468.5	99.8676		
Consumed	(31,084.5)	(1,305,547.0)	(2,946,138.3)	(129,707.52)	94.7785	4.1727	98.9513
Balance @ 11/30/2021	48,893.4	2,053,522	4,817,239.99	187,073.92	98.5254		
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	48,893.4	2,053,522	4,817,239.99	187,073.92	98.5254		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxxxxxxxx	(4,817,240.0)	xxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxx	xxxxxxxxxxxxxxxx	5,031,995.9	xxxxxxxxxxxxxxxx			
Total @ 12/01/2021 Avg Price	48,893.4	2,053,522	5,031,995.93	187,073.92	102.9177		

Weighted Avg Cost/BBL by Location 98.5254 3.8262

Weighted Avg Cost/BBL @ Avg Cost 102.9177 3.8262



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

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 10/31/2021	5,416.2	227,481.0	583,891.4	2,455.4			
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	(19,529.5)	(820,241.0)	(1,899,160.3)	(25,181.4)			
Actual	19,187.2	805,861.0	1,868,579.8	24,703.8			
Consumed: Estimate	18,896.5	793,653.0	1,758,333.2	13,887.0			
Actual	(20,925.0)	(878,848.0)	(2,021,664.8)	(14,828.6)			
Balance Per G/L 10/31/2021	3,045.4	127,906	289,979.24	1,036.14			
Purchases		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX			
Transfer in	16,409.2	689,186.0	1,725,326.6	21,158.0	105.1439		
Consumed	(12,108.6)	(508,560)	(1,147,632.5)	(5,489.23)	94.7785	0.4533	95.2319
Balance @ 11/30/2021	7,346.0	308,532	867,673.42	16,704.92	118.1151		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 11/30/2021	7,346.0	308,532	867,673.42	16,704.92	118.1151		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXX	(867,673.42)	XXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXX	756,033.67	XXXXXXXXXXXXXXXXXX			
Total @ 12/01/2021 Avg Price	7,346.0	308,532	756,033.67	16,704.92	102.9177		

Weighted Avg Cost/BBL by Location 118.1151 2.2740

Weighted Avg Cost/BBL @ Avg Cost 102.9177 2.2740

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

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 10/31/2021	1583.0	66,488	150,063	677			
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	-752.0	-31585.0	-73477.0	-856.0			
Actual	1504.4	63186.0	146793.4	1713.1			
Consumed: Estimate	931.4	39117.0	86663.5	932.6			
Actual	-1642.6	-68991.0	-155390.4	-453.4			
Balance Per G/L 10/31/2021	1624.2	68,215	154,652.12	2,013.69	95.2194		
Purchases	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX			
Transfer in	754.3	31681.0	79091.5	858.6	0.0000		
Consumed	-722.9	-30360.0	-68511.3	-309.3	94.7785	0.4278	95.2064
Balance @ 11/30/2021	1,655.6	69,536	165,232.33	2,562.97	99.8009		
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	1,655.6	69,536	165,232.33	2,562.97	99.8009		
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	-165,232.33	XXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	170,392.56	XXXXXXXXXX			
Total @ 12/01/2021 Avg Price	1,655.6	69,536	170,392.56	2,562.97	102.9177		

Weighted Avg Cost/BBL by Location

99.8009 1.5480

Weighted Avg Cost/BBL @ Avg Cost

102.9177 1.5480

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

KEAHOLE ULSD

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 10/31/2021	2,295.0	96,390	195,646.06	9,937.56			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(190.0)	(7,980)	(18,912.60)	(629.62)			
Actual	188.3	7,910	18,711.72	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(103)	0.00	(8.13)			
Actual		(109)	0.00	624.10			
Consumed: Estimate	305.0	12,811	25,323.01	1,215.04			
Actual	(242.8)	(10,197)	(18,978.47)	(823.53)	78.1696		
Balance Per G/L 10/31/2021	2,350.5	98,722	201,789.72	10,315.43	85.8488		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	21,386.40	629.62			
Transfer in	9.3	391	0.00	30.85	0.00		
Consumed	(238.4)	(10,012)	(20,276.30)	(1,032.21)	85.0584	4.3301	89.3885
Balance @ 11/30/2021	2,311.5	97,081	202,899.81	9,943.69	87.7802		
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	2,311.5	97,081	202,899.81	9,943.69	87.7802		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxx	(202,899.81)	xxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxx	xxxxxxxxxx	206,277.16	xxxxxxxxxx			
Total @ 12/01/2021 Avg Price	2,311.5	97,081	206,277.16	9,943.69	89.2414		
Weighted Avg Cost/BBL by Location			87.7802	4.3019			
Weighted Avg Cost/BBL @ Avg Cost			89.2414	4.3019			

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

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 10/31/2021	568.4	23,873.0	48,652.5	1,616.15			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		0	0.00	0.00			
Actual		7,929.0	18,756.7	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	2.2	93	0.00	0.00			
Actual	(2.4)	(100)	0.00	520.94			
Consumed: Estimate	324.2	13,618	26,918.18	906.70			
Actual	(265.0)	(11,129)	(24,250.13)	(716.44)			
Balance Per G/L 10/31/2021	816.3	34,284	70,077.17	2,327.35	85.8488		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	190.0	7,980	21,386.40	524.29			
Transfer in	xxxxxxxxxxxx	234	0.00	0.00	#DIV/0!		
Consumed	(330.2)	(13,870)	(28,089.53)	(938.97)	85.0584	2.8433	87.9017
Balance @ 11/30/2021	681.6	28,628	63,374.04	1,912.67	92.9757		
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	681.6	28,628	63,374.04	1,912.67	92.9757		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(63,374.04)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	60,828.61	xxxxxxxxxxxx			
Total @ 12/01/2021 Avg Price	681.6	28,628	60,828.61	1,912.67	89.2414		
Weighted Avg Cost/BBL by Location			92.9757	2.8061			
Weighted Avg Cost/BBL @ Avg Cost			89.2414	2.8061			

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

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP
Balance at 10/31/2021	1,160.6	48,746.0	97,481.7	2633.9
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	134.8	5,662	11,191.86	155.63
Actual	(94.2)	(3,958)	(5,552.71)	(1,300.25)
Balance Per G/L 10/31/2021	1,201.2	50,450	103,120.80	1,489.28
ULSD Purchases	0	0	0.00	0.00
Estimated Purchases	190	-	-	-
Transfer in	0	0	0.00	0.00
Consumed	(157.1)	(6,597)	(13,360.25)	(356.46)
Balance @ 11/30/2021	1,234.1	51,833	111,146.95	1,349.08
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	1,234.1	51,833	111,146.95	1,349.08
Reverse Fuel Balance	x	x	(111,146.95)	x
Fuel Balance @ Avg Price	x	x	110,134.46	x
Total @ 12/01/2021 Avg Price	1,234.1	51,833	110,134.46	1,349.08

Weighted Avg Cost/BBL by Location

90.0618 1.0932

Weighted Avg Cost/BBL @ Avg Cost

89.2414 1.0932

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

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 10/31/2021	130.2	5,470	11,574.75	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	(28.4)	(1,194)	(2,824.49)	
Actual	28.3	1,188	2,810.29	
Consumed: Estimate	24.8	1,040	2,055.73	
Actual	(22.5)	(945)	(2,253.57)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 10/31/2021	132.36	5,559	11,362.71	85.8489
Purchases	9.5	397	1,063.69	112.5314
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(11.5)	(485)	(982.22)	85.0584
Balance @ 11/30/2021	130.3	5,471	11,444.18	87.8551
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 11/30/2021	130.3	5,471	11,444.18	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(11,444.18)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	11,624.75	xxxx
Total @ 12/01/2021 Avg Price	130.3	5,471	11,624.75	89.2414

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

		December 1, 2021 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	17.691	6.560
PGV (22 MW)	- off peak	17.004	5.430
WAILUKU HYDRO	- on peak	17.691	7.240
	off peak	17.004	5.970
Other: (<100 KW)	Sch Q Rate	16.970	
		December 1, 2021 <u>(¢/kWh)</u>	Floor Rates <u>(¢/kWh)</u>
HEP		21.150	
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**  
December 1, 2021

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	\$794,600
2	Monthly Amount ( $\frac{1}{3}$ x Line 1)	\$264,867
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	\$290,695
5	Estimated MWh Sales (December 1, 2021)	84,527 mwh
6	Adjustment (Line 4 / Line 5)	0.344 ¢/kwh



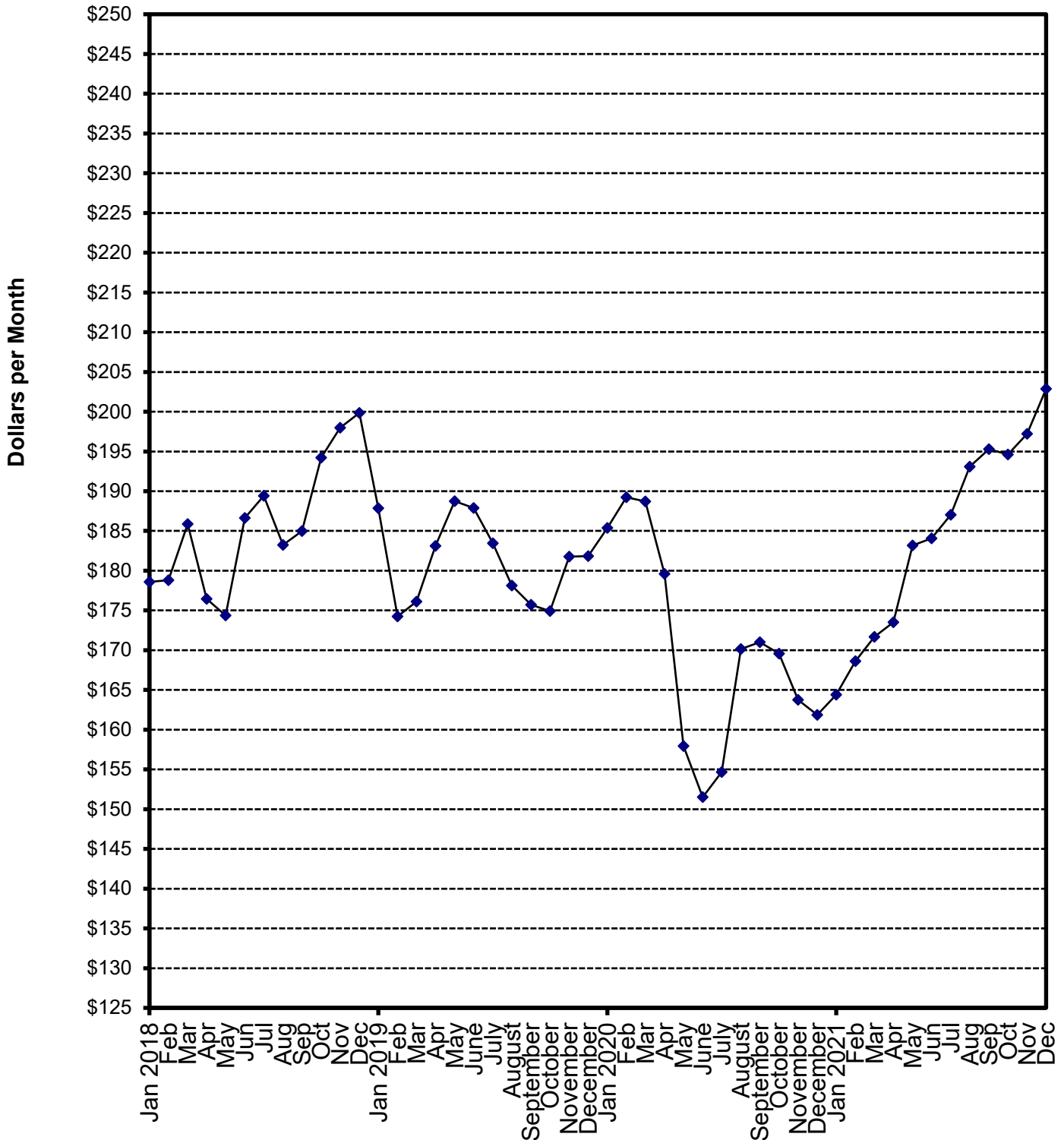
**HAWAII ELECTRIC LIGHT COMPANY, INC.**  
2021 Cumulative Reconciliation Balance

<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	28,336	29,568
October					26,967	27,747	57,315
November	(794,600)	[3]	21,130	(815,730)	264,867		
December					264,867		

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 &amp; COMMERCIAL</u>	<u>@ 500 KWH</u>	<u>RESIDENTIAL BILL (\$) @ 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
November 1, 2021	19.470	197.22	236.14
December 1, 2021	20.549	202.87	242.91

**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
8/1/2021-10/31/2021	RESIDENTIAL DSM ADJUSTMENT	0.0893 CENTS/KWH
9/1/2021-9/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4776 CENTS/KWH
10/1/2021-10/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.4838 CENTS/KWH
11/1/2021-11/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.0761 CENTS/KWH
<b>11/1/2021</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>-0.0051 CENTS/KWH</b>
<b>12/1/2021-12/31/2021</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.1263 CENTS/KWH</b>

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

Calculations of the Average Residential Customer Bill

	Rate		Charge (\$) at 500 Kwh		
	11/01/21	12/01/21	11/01/21	12/01/21	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	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	\$33.52	\$33.52	\$0.00
Customer Charge	\$	11.50	\$11.50	\$11.50	\$0.00
<b>Total Base Charges</b>			\$85.24	\$85.24	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	(0.0299)	-\$0.15	-\$0.15	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.0761	\$10.38	\$10.63	\$0.25
<b>PBF Surcharge</b>	¢/kwh	0.6478	\$3.24	\$3.24	\$0.00
<b>DSM Adjustment</b>	¢/kwh	(0.0051)	-\$0.03	-\$0.03	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	19.4700	\$97.35	\$102.75	\$5.40
<b>Green Infrastructure Fee</b>	\$	1.19	\$1.19	\$1.19	\$0.00
<b>Avg Residential Bill at 500 kwh</b>			\$197.22	\$202.87	

Increase (Decrease -)	\$5.65
% Change	2.86%

	Rate		Charge (\$) at 600 Kwh		
	11/01/21	12/01/21	11/01/21	12/01/21	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	\$40.22	\$40.22	\$0.00
Next 700 kWh per month	¢/kwh	16.7577	\$50.27	\$50.27	\$0.00
Customer Charge	\$	11.50	\$11.50	\$11.50	\$0.00
<b>Total Base Charges</b>			\$101.99	\$101.99	\$0.00
<b>Interim Rate Adjustment 2019 TY</b>	% on base	0.0000%	\$0.00	\$0.00	\$0.00
<b>RBA Rate Adjustment</b>	¢/kwh	(0.0299)	-\$0.18	-\$0.18	\$0.00
<b>Purchased Power Adj. Clause</b>	¢/kwh	2.0761	\$12.46	\$12.76	\$0.30
<b>PBF Surcharge</b>	¢/kwh	0.6478	\$3.89	\$3.89	\$0.00
<b>DSM Adjustment</b>	¢/kwh	(0.0051)	-\$0.03	-\$0.03	\$0.00
<b>SolarSaver Adjustment</b>	¢/kwh	0.0000	\$0.00	\$0.00	\$0.00
<b>Energy Cost Recovery</b>	¢/kwh	19.4700	\$116.82	\$123.29	\$6.47
<b>Green Infrastructure Fee</b>	\$	1.19	\$1.19	\$1.19	\$0.00
<b>Avg Residential Bill at 600 kwh</b>			\$236.14	\$242.91	

Increase (Decrease -)	\$6.77
% Change	2.87%

**From:** [puc@hawaii.gov](mailto:puc@hawaii.gov)  
**To:** [Phillipson, Yvonne](#)  
**Subject:** Hawaii PUC eFiling Confirmation of Filing  
**Date:** Friday, November 26, 2021 9:40:16 AM

---

**[This email is coming from an EXTERNAL source. Please use caution when opening attachments or links in suspicious email.]**

Your eFile document has been filed with the Hawaii Public Utilities commission on 2021 Nov 26 AM 09:39. The mere fact of filing shall not waive any failure to comply with Hawaii Administrative Rules Chapter 6-61, Rules of Practice and Procedure Before the Public Utilities Commission, or any other application requirements. Your confirmation number is YVON21093923956. If you have received this email in error please notify the Hawaii Public Utilities Commission by phone at 808 586-2020 or email at [hawaii.puc@hawaii.gov](mailto:hawaii.puc@hawaii.gov).