



October 26, 2022

The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
Kekuanao'a Building, First Floor
465 South King Street
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Hawaiian Electric Energy Cost Recovery Factor for November 2022

Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") November 2022 Energy Cost Recovery Factor is 28.468 cents per kilowatt-hour ("kWh"), a decrease of 0.737 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$226.98, a decrease of \$6.54 compared to rates effective October 1, 2022. The decrease in the residential typical bill is due to a decrease in the Energy Cost Recovery Factor (-\$3.69), a decrease in the Purchase Power Adjustment Clause rate (-\$1.87), a decrease in the DSM Adjustment (-\$0.97), and a decrease in the Demand Response Adjustment Clause rate (-\$0.01).

The Company's fuel composite cost of major energy decreased 145.83 cents per million BTU to 2,486.63 cents per million BTU. The Company's composite cost of minor energy decreased 2.865 cents per kWh to 23.113 cents per kWh. The composite cost of purchased energy increased 0.896 cents per kWh to 21.036 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 November 1, 2022.

Very truly yours,

/s/ Dean K. Matsuura

Dean K. Matsuura
Director, Regulatory Rate Proceedings

Attachments
cc: Division of Consumer Advocacy

Hawaiian Electric Company, Inc.
ENERGY COST RECOVERY FACTOR

	<u>Effective Dates</u>		<u>Change</u>
	<u>10/01/22</u>	<u>11/01/22</u>	
Composite Cost Of Major Energy, ¢/mmbtu	2,632.46	2,486.63	(145.83)
Composite Cost Of Minor Energy, ¢/kwh	25.978	23.113	(2.865)
Composite Cost Of Purchased Energy, ¢/kWh	20.140	21.036	0.896
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	29.205	28.468	(0.737)
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	29.205	28.468	(0.737)
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	233.52	226.98	(6.54)
600 kWh Consumption, \$/bill	278.51	270.65	(7.86)

Supersedes Sheet Effective:

October 1, 2022

ENERGY COST RECOVERY (ECR) FILING - November 1, 2022 (page 2 of 2)

Line	Effective Date	- November 1, 2022
1		
2	Supercedes Factor	- October 1, 2022

Line	PURCHASED ENERGY COMPONENT		Calculation of Monthly Fossil Fuel Cost Risk Sharing Component	
	PURCHASED ENERGY PRICE - FOSSIL - \$/KWH			
48	PAR Hawaii	- On Peak	24.344	Baseline LSFO
49	PAR Hawaii	- Off Peak	25.326	101 LSFO \$, baseline month
50	IES Downstream		0.000	102 LSFO mmbtu, baseline
51	Kalaeloa		24.428	103 Baseline LSFO, \$/mmbtu
52	AES-HI		0.000	
53				Baseline Diesel
	PURCHASED ENERGY PRICE - RENEWABLE - \$/KWH			104 Diesel \$, baseline month
54	HRRV	- On Peak	18.97	105 Diesel mmbtu, baseline
55		- Off Peak	18.42	106 Baseline Diesel, c/mmbtu
56	HRRV	- On Peak (excess)	12.08	
57		- Off Peak (excess)	7.25	Month LSFO
58	Kawailoa Wind		23.42	107 LSFO mmbtu, budget
59	Kahuku Wind		21.97	108 LSFO Cost, \$/mmbtu
60	Waianae Solar PV		14.50	109 LSFO ECRC Fossil Cost
61	As Available I		23.51	110 LSFO Base ECRC Recovery Target
62	FIT		23.74	111 LSFO differential
63	CBRE PV		15.00	
64	Kawailoa PV		12.73	Month Diesel
65	Lanikuhana PV		13.05	112 Diesel mmbtu, budget
66	Waipio PV		12.18	113 Diesel Cost, \$/mmbtu
67	Na Pua Makani Wind		14.06	114 Diesel ECRC Fossil Cost
67.1	Milliani I Solar		0.00	115 Diesel Base ECRC Recovery Target
67.2	Unused		0.00	116 Diesel differential
67.3	Unused		0.00	117 Total Fossil
67.4	Unused		0.00	118 2% of above
67.5	Unused		0.00	118A Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year
67.6	Unused		0.00	118B Maximum Annual Cap (bi-directional)
	PURCHASED ENERGY KWH MIX - FOSSIL - %			118C Applicable Monthly Fossil Fuel Cost Risk Sharing
68	PAR Hawaii	- On Peak	0.22	118D Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month
69	PAR Hawaii	- Off Peak	0.16	
70	IES Downstream		0.04	119 Fossil Cost Risk Sharing before taxes
71	Kalaeloa		54.12	120 Revenue Tax Adjustment
72	AES-HI		0.00	121 Fossil Cost Risk Sharing w/revenue tax
73				122 Forecasted Month MWh Sales
73a	Subtotal Fossil %		54.55	123 Fossil Fuel Cost Risk Sharing Component, c/kWh
	PURCHASED ENERGY KWH MIX - RENEWABLE - %			
74	HRRV	- On Peak	8.14	
75		- Off Peak	3.28	
76	HRRV	- On Peak (excess)	0.00	
77		- Off Peak (excess)	2.08	
78	Kawailoa Wind		8.31	
79	Kahuku Wind		4.27	
80	Waianae Solar PV		1.93	
81	As Available I		0.61	
82	FIT		2.28	
83	CBRE PV		0.00	
84	Kawailoa PV		3.18	
85	Lanikuhana PV		1.02	
86	Waipio PV		3.20	
87	Na Pua Makani Wind		4.57	
87.1	Milliani I Solar		2.57	
87.2	Unused		0.00	
87.3	Unused		0.00	
87.4	Unused		0.00	
87.5	Unused		0.00	
87.6	Unused		0.00	
87a	Subtotal Renewable %		45.45	
87b	Total Purchased Energy %		100.00	
87c	Composite Cost of Purchased Energy, Fossil		24.41	
87d	Composite Cost of Purchased Energy, Renewable		16.98	
88	COMPOSITE COST OF PURCHASED ENERGY, \$/KWH		21.036	
89	% Input to System kWh Mix		43.97	
90	WTD CMP PURCH ENRGY COST, \$/KWH (lines 88 x 89)		9.24953	
91	2017 TY Loss Factor		1.0490	
92	WTD CMP PURCH ENRGY COST, \$/KWH (lines 90 x 91)		9.70276	
93	BASE PURCHASED ENERGY COMPOSITE COST, \$/KWH		0.000	
94	Base % Input to System kWh Mix		0.0000	
95	WEIGHTED BASE PURCHASED ENERGY COST, \$/KWH SALES (lines 93 x 94)		0.00000	
96	2017 TY Loss Factor		1.049	
97	WTD CMP PURCH ENRGY COST, \$/KWH sales (lines 95 x 96)		0.00000	
98	Cost Less Base (Line 92 - 97)		9.70276	
99	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514	
100	PURCHASED ENERGY FACTOR, \$/KWH (lines 98 x 99)		10.64891	
				Line SYSTEM COMPOSITE
				124 GEN AND PURCHASED ENERGY FACTOR, \$/kWh (lines 47 + 100)
				125 (Future Use) Adjustment, \$/kWh
				126 ECR Reconciliation Adjustment
				127 Non-Adjustable Component (line 80E)
				128 Fossil Fuel Cost Risk Sharing Component (line 123)
				129 Monthly Energy Cost Recovery Factor (lines 124 + 125 + 126 + 127 + 128)

Hawaiian Electric Company, Inc.
FUEL OIL INVENTORY PRICES FOR November 1, 2022

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, ¢/Mbtu	2,485.33	2,485.33	2,485.33
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	2,485.33	2,486.63	2,486.63
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,224.25	-	2,031.93
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,224.25	-	2,031.93
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	3,458.75	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	3,458.75	
	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, \$/bbl	154.72	154.72	154.72
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	154.72	154.80	154.80
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, \$/bbl	130.34	-	118.76
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	130.34	-	118.76
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, \$/bbl	115.96	182.43	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	182.43	
Distributed Generation Fuel Prices Used for Filing, ¢/kWh			35.370

FOAC November 1, 2022

<u>LSFO</u>	BARRELS	MBTU	AMOUNT	AVE \$/MBTU
Per FOAC run	1,023,361	6,370,742	158,334,211	24.853339
Additional	-	-	-	-
Forecast Amt	1,023,361	6,370,742	158,334,211	24.853339
	-	6.20	-	ADD'L BBL
	6,370,742	1,023,361	6.2253	MBTU / BBL
	158,334,211	1,023,361	154.72	DOLLARS / BBL
<u>WAI AU DIESEL</u>	4,316	25,289	562,489	22.242476
	562,489	4,316	130.34	DOLLARS / BBL
<u>CIP BIODIESEL</u>	-	-	-	-
	-	-	-	DOLLARS / BBL
<u>CIP DIESEL</u>	17,337	101,332	2,058,992	20.319273
	2,058,992	17,337	118.76	DOLLARS / BBL
<u>SGS ULSD</u>	426	2,469	49,400	20.007140
	49,399.63	426	115.96	DOLLARS / BBL
<u>SGS BIODIESEL</u>	4,998	26,361	911,766	34.58753462
	911,766	4,998	182.43	DOLLARS / BBL
FUEL ADDITIVE				0.013019
Additional				
Forecast Amt	-	-	-	0.013019
\$ / BBL =	-	-	0.08	DOLLARS / BBL
HONOLULU TRUCKING COST				
Per FOAC run	-	-	-	-
Additional				
Forecast Amt	-	-	-	-
\$ / BBL =	-	-	-	DOLLARS / BBL

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF DISTRIBUTED GENERATION EXPENSE

<u>Line No.</u>		<u>Airport DG Biodiesel</u>	<u>Schofield Biodiesel</u>	<u>Schofield ULSD</u>			
(A)	\$	34.65	\$	34.59	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		2,573		17,991		3099	Estimated MBTU Consumption
(B1)		490		3,428		541	Estimated fuel consumption barrels
(C) = (A) x (B)		\$89,148		\$622,273		\$62,009	Estimated Distributed Generation Fuel Cost (\$)
(D)		252,035		2,086,569		364,772	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>35.370</u>		<u>29.820</u>		<u>17.000</u>	¢/kWh

Hawaiian Electric Company, Inc.
ECA RECONCILIATION ADJUSTMENT
November 2022

1.	Amount to be collected	\$	9,873,900
2.	Monthly Amount (Line 1 x 1/3)	\$	3,291,300
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	3,612,248
5.	Estimated MWh Sales (November 2022)		506,158
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.714</u></u>

Hawaiian Electric Company, Inc.
FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY
September 2022
(Thousand \$)

<u>Line</u>	<u>Description</u>	<u>Info Only</u>		<u>Basis for Recon</u>	
		<u>W/O DeadBand</u> <u>September 2022</u> <u>Cumulative</u> <u>YTD Total</u>	<u>collectn</u> <u>by</u> <u>company*</u>	<u>W/ DeadBand</u> <u>September 2022</u> <u>Cumulative</u> <u>YTD Total</u>	<u>collectn</u> <u>by</u> <u>company*</u>
ACTUAL COSTS:					
1	Generation / Major Fuels	\$576,287.8		\$576,287.8	
2	Distributed Generation / Minor Fuels	\$37,408.2		\$37,408.2	
3	Purch Power	\$349,301.1		\$349,301.1	
4	TOTAL	\$962,997.1		\$962,997.1	
FUEL FILING COST					
5	Generation / Major Fuels	\$564,283.5		\$575,678.5	
6	Distributed Generation / Minor Fuels	\$37,408.2		\$37,408.2	
7	Purch Power	\$349,301.1		\$349,301.1	
8	TOTAL	\$950,992.7		\$962,387.8	
BASE FUEL COST					
9	Generation / Major Fuels	\$0.0		\$0.0	
10	Distributed Generation / Minor Fuels	\$0.0		\$0.0	
11	Purch Power	\$0.0		\$0.0	
12	TOTAL	\$0.0		\$0.0	
13	FUEL-BASE COST (Line 8-12)	\$950,992.7		\$962,387.8	
14	ACTUAL FOA LESS TAX	\$967,946.0		\$967,946.0	
15	Less: FOA reconciliation adj for prior year	\$15,095.5		\$15,095.5	
15A	Less: Non-Adjustable Component Revenues Less Tax	\$5,262.1		\$5,262.1	
16	ADJUSTED FOA LESS TAX	\$947,588.4		\$947,588.4	
17	FOA-(FUEL-BASE) (Line 16-13)	-\$3,404.4	under	-\$14,799.4	under
ADJUSTMENTS:					
18	Current year FOA accrual reversal	-\$22,448.2		-\$22,448.2	
19	Other prior year FOA	\$0.0		\$0.0	
20	Other	\$0.0		\$0.0	
21	QUARTERLY FOA RECONCILIATION (Line 17+18+19+20)	-\$25,852.6	under	-\$37,247.6	under
21A	YTD Fossil Fuel Cost Risk Sharing Adjustment	\$2,500.0		\$2,500.0	
21B	QUARTERLY FOA RECON w/Fossil Risk Adj (Line 21+Line 21A)	-\$23,352.6		-\$34,747.6	
22	2nd Quarter Reconciliation YTD			-\$24,873.7	under
23	Amount to be collected			-\$9,873.9	under

* Over means an over-collection by the company.
Under means an under-collection by the company.

Hawaiian Electric Company, Inc.
DEADBAND CALCULATION
2022

FOR PERIOD: JANUARY 1, 2022 TO SEPTEMBER 2022

	Notes	YTD
<u>Low Sulfur Fuel Oil (LSFO)</u>		
LSFO Efficiency Factor, BTU/kWh*	f	11,142
LSFO Deadband Definition, +/- BTU/kWh	d	225
LSFO Portion of Recorded Sales, kWh	a	2,276,188,171
LSFO Consumption (Recorded), MMBTU	b	25,898,230
LSFO Efficiency Factor (Recorded), BTU/kWh	c = (b/a)*1000	11,378
Lower limit of LSFO Deadband, BTU/kWh	e = f-d	10,917
Higher limit of LSFO Deadband, BTU/kWh	g = f+d	11,367
LSFO Efficiency Factor for cost-recovery, BTU/kWh	h = c, e or g	11,367
Recorded BTU/kWh vs. Deadband		Worse

* YTD Efficiency Factor is actual YTD & projected to the end of the year weighted by calendar days in the year

HAWAIIAN ELECTRIC COMPANY, INC.
FUEL FILING COST AND BASE FUEL COST, MAJOR FUELS, WITHOUT and WITH DEADBAND
September 2022 Year-to-Date

	Without Deadband	With Deadband AS FILED
<u>FUEL FILING COST, MAJOR FUELS</u>	<u>Jan 1-Sep 30</u>	<u>Jan 1-Sep 30</u>
LSFO Portion of Recorded Sales , KWH	2,276,188,171	2,276,188,171
LSFO Sales Efficiency Factor (mmbtu/kwh)	0.011142	0.011367
Mmbtu adjusted for Sales Efficiency Factor	25,361,289	25,873,431
\$/mmbtu	<u>\$22.2498</u>	<u>\$22.2498</u>
TOTAL LSFO \$ TO BE RECOVERED	\$564,283,486	\$575,678,549
TOTAL MAJOR FUEL FILING COST \$	\$564,283,486	\$575,678,549
<u>BASE FUEL COST, MAJOR FUELS</u>		
TOTAL BASE FUEL COST	\$0	\$0
TOTAL FUEL FILING COST, MAJOR FUELS \$ YTD	\$564,283,486	\$575,678,549
TOTAL BASE FUEL COST, MAJOR FUELS YTD	\$0	\$0

Hawaiian Electric Company, Inc.
 Fuel Oil Adjustment Reconciliation

ATTACHMENT 4
 PAGE 5 OF 5

Fossil Fuel Cost Risk Sharing Mechanism and Non-Adjustable Component, September 2022

LSFO Fossil Fuel Cost Risk Sharing		Jan-22, Baseline	YTD
A	MMBtu	3,000,521 mmbtu	25,898,230 mmbtu
B	\$ cost, actuals	\$49,571,623	\$576,287,800
C = B / A (Jan Column)	Jan 2022 baseline \$/MMBtu	16.521004	16.521004
D	LSFO Gen kWh		2,391,943,711
E	Total kWh, Gen, Purch Pwr, DG		4,845,095,695
F	Sales kWh		4,608,780,849
G = (D / E) x F	LSFO kWh-sales		2,275,278,975
H	Target Heat Rate		11,142
I	Recovery heat rate		11,367
J = B/A (YTD Column)	Actual Cost \$/MMBtu		22.252015
K = C x H x G / 1,000,000	Base Cost Recovery w/Target Heat Rate		\$418,826,580
L = I x J x G / 1,000,000	Fuel Filing Cost Recovery		\$575,505,998
M = 2% x (L-K)	LSFO Cost Risk Sharing		\$3,133,588
Diesel Fossil Fuel Cost Risk Sharing (w/o target heat rate)			
AA	MMBtu	349,008 mmbtu	1,525,145 mmbtu
BB	Fuel Filing Cost Recovery (no heat rate)	\$6,163,417	\$33,400,790
CC = BB/AA (Jan Column)	Jan 2022 baseline \$/MMBtu	17.659816	17.659816
DD = AA x CC	Base Cost Recovery		\$26,933,786
EE = (BB - DD) x 2%	Diesel Cost Risk Sharing		\$129,340
FF = M + EE, up to ±\$2.5MM	Total Fossil Fuel Cost Risk Sharing Adjustment, subject to ±\$2.5MM cap		\$2,500,000
Non-Adjustable Component			
AAA = F	YTD kWh		4,608,780,849
BBB	Non-Adjustable Component, c/kWh		0.12531
CCC = AAA x BBB	Non-Adjustable Component Revenues w/tax		\$5,775,263
DDD = CCC / (1/(1-.08885))	Non-Adjustable Component Revenues less tax		\$5,262,131

HAWAIIAN ELECTRIC COMPANY, INC.
2022 Cumulative Reconciliation Balance

<u>Month</u>	(1) <u>YTD FOA Reconciliation</u>	<u>Qtr</u>	(2) <u>FOA Rec 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>
November 20	(3,466,900)	(3)	299,537	(3,766,437)	1,155,633	1,229,016	(2,275,255)
December					1,155,633	1,216,131	(1,059,124)
January 21					1,155,633	1,133,735	74,611
February	(1,005,100)	(4)	96,503	(1,101,603)	335,033	303,760	(723,232)
March					335,033	337,351	(385,881)
April					335,033	321,756	(64,125)
May	(5,736,000)	(1)	(50,854)	(5,685,146)	1,912,000	1,943,306	(3,805,965)
June					1,912,000	1,887,196	(1,918,769)
July					1,912,000	1,943,799	25,030
August	3,218,800	(2)	(6,775)	3,225,575	(1,072,933)	(1,069,958)	2,180,647
September					(1,072,933)	(1,036,068)	1,144,579
October					(1,072,933)	(1,070,373)	74,206
November	(6,273,400)	(3)	71,640	(6,345,040)	2,091,133	2,119,403	(4,151,431)
December					2,091,133	2,149,738	(2,001,693)
January 22					2,091,133	2,153,891	152,198
February	(13,004,400)	(4)	89,435	(13,093,835)	4,334,800	4,432,708	(8,508,928)
March					4,334,800	4,544,500	(3,964,428)
April					4,334,800	4,383,947	419,519
May	(17,597,500)	(1)	370,366	(17,967,866)	5,865,833	6,073,898	(11,474,449)
June					5,865,833	5,856,458	(5,617,991)
July					5,865,833	5,813,541	195,550
August	(7,276,200)	(2)	247,836	(7,524,036)	2,425,400	2,369,958	(4,958,528)
September					2,425,400	2,470,009	(2,488,519)
October					2,425,400		
November	(9,873,900)	(3)	(63,125)	(9,810,775)	3,291,300		

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 4)
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))

Hawaiian Electric Company, Inc.
ENERGY COST RECOVERY FACTOR DATA

<u>EFFECTIVE DATE</u>	ENERGY COST FACTOR CENTS / KWH		RESIDENTIAL BILL (\$)	
	<u>RESIDENTIAL & COMMERCIAL</u>		<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2019	14.095		161.36	191.85
February 1, 2019	12.044		147.31	175.01
March 1, 2019	13.449		154.51	183.63
April 1, 2019	14.338		158.42	188.34
May 1, 2019	14.721		163.56	194.50
June 1, 2019	15.199		163.47	194.39
July 1, 2019	14.545		160.95	191.42
August 1, 2019	14.297		160.45	190.82
September 1, 2019	13.240		155.11	184.42
October 1, 2019	12.951		153.64	182.65
November 1, 2019	12.778		150.18	178.51
December 1, 2019	12.409		148.41	176.37
January 1, 2020	13.629		155.97	185.42
February 1, 2020	14.648		161.90	192.54
March 1, 2020	14.349		160.64	191.02
April 1, 2020	13.071		153.83	182.86
May 1, 2020	11.735		148.21	176.12
June 1, 2020	10.875		142.16	168.84
July 1, 2020	10.128		137.84	163.68
August 1, 2020	9.274		133.06	157.94
September 1, 2020	10.220		137.57	163.36
October 1, 2020	10.589		139.36	165.49
November 1, 2020	10.850		138.03	163.91
December 1, 2020	10.624		136.57	162.15
January 1, 2021	11.355		140.57	166.94
February 1, 2021	11.812		145.00	172.25
March 1, 2021	12.304		147.49	175.24
April 1, 2021	11.919		145.53	172.89
May 1, 2021	13.135		152.07	180.74
June 1, 2021	13.711		157.85	187.70
July 1, 2021	15.014		164.69	195.91
August 1, 2021	14.076		162.12	192.82
September 1, 2021	14.227		162.82	193.65
October 1, 2021	14.327		163.32	194.25
November 1, 2021	15.767		166.60	198.20
December 1, 2021	16.061		167.92	199.78
January 1, 2022	16.480		173.80	206.83
February 1, 2022	17.752		180.80	215.21
March 1, 2022	18.629		184.44	219.58
April 1, 2022	20.489		194.70	231.88
May 1, 2022	23.241		208.73	248.73
June 1, 2022	24.081		212.86	253.68
July 1, 2022	25.791		221.66	264.25
August 1, 2022	26.477		228.13	272.05
September 1, 2022	29.852		236.79	282.45
October 1, 2022	29.205		233.52	278.51
November 1, 2022	28.468		226.98	270.65

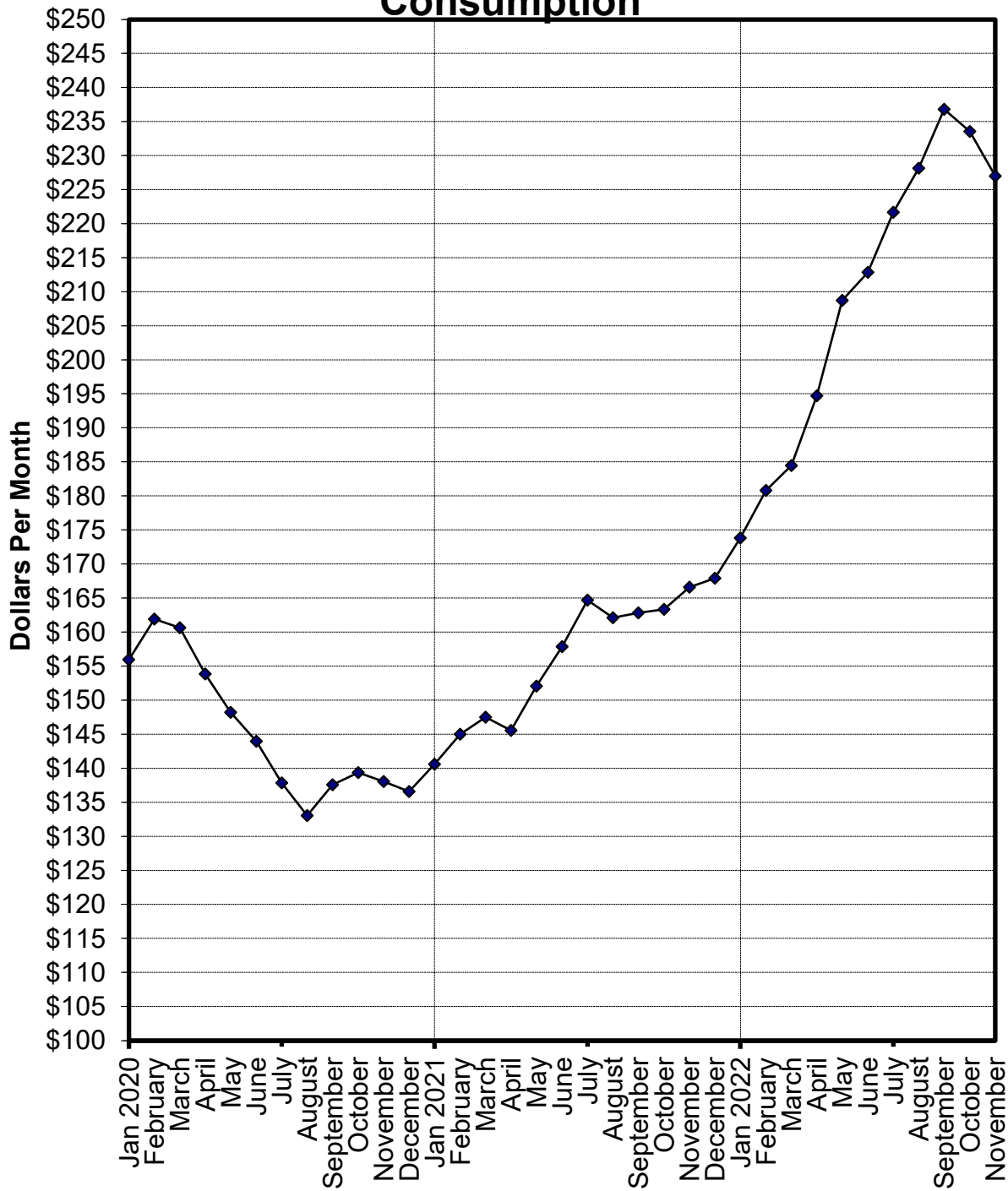
**Hawaiian Electric Company, Inc.
RESIDENTIAL SURCHARGE DATA**

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
9/1/2018	FINAL RATE INCREASE (TY2017) -0.039% EFFECTIVE 09/01/18, DOCKET NO. 2016-0328	
5/1/2021-3/31/2022	SOLAR SAVER ADJUSTMENT	0.0000 CENTS/KWH
5/1/2021-7/31/2021	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0008 CENTS/KWH
5/1/2021-7/31/2021	RESIDENTIAL DSM ADJUSTMENT	-0.0233 CENTS/KWH
6/1/2021-6/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.5442 CENTS/KWH
6/1/2021-12/31/2021	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.1469 CENTS/KWH
7/1/2021-7/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.5615 CENTS/KWH
7/1/2021-12/31/2021	GREEN INFRASTRUCTURE FEE	1.19 DOLLARS/MONTH
7/1/2021-6/30/2022	RESID. PBF SURCHARGE ADJUSTMENT	0.6478 CENTS/KWH
8/1/2021-8/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.7556 CENTS/KWH
8/1/2021-10/31/2021	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0020 CENTS/KWH
8/1/2021-10/31/2021	RESIDENTIAL DSM ADJUSTMENT	0.2201 CENTS/KWH
8/1/2021-7/31/2022	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0158 CENTS/KWH
9/1/2021-9/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.7433 CENTS/KWH
10/1/2021-10/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.7430 CENTS/KWH
11/1/2021-1/31/2022	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0094 CENTS/KWH
11/1/2021-1/31/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0370 CENTS/KWH
11/1/2021-11/30/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.2269 CENTS/KWH
12/1/2021-12/31/2021	PURCHASED POWER ADJUSTMENT CLAUSE	2.1952 CENTS/KWH
1/1/2022-1/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1382 CENTS/KWH
1/1/2022-6/30/2022	GREEN INFRASTRUCTURE FEE	1.25 DOLLARS/MONTH
1/1/2022-5/31/2022	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.9505 CENTS/KWH
2/1/2022-2/28/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1172 CENTS/KWH
2/1/2022-4/30/2022	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0089 CENTS/KWH
2/1/2022-4/30/2022	RESIDENTIAL DSM ADJUSTMENT	0.1082 CENTS/KWH
3/1/2022-3/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	1.9689 CENTS/KWH
4/1/2022-4/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.1650 CENTS/KWH
4/1/2022-4/30/2022	SOLAR SAVER ADJUSTMENT	-0.0064 CENTS/KWH
5/1/2022-7/31/2022	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0045 CENTS/KWH
5/1/2022-7/31/2022	RESIDENTIAL DSM ADJUSTMENT	-0.2047 CENTS/KWH
5/1/2022-5/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.5226 CENTS/KWH
5/1/2022	SOLAR SAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2022-6/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.5505 CENTS/KWH
6/1/2022	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.9085 CENTS/KWH
7/1/2022	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
7/1/2022-7/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.6139 CENTS/KWH
7/1/2022	RESID. PBF SURCHARGE ADJUSTMENT	0.6488 CENTS/KWH
8/1/2022-8/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.8647 CENTS/KWH
8/1/2022-10/31/2022	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0052 CENTS/KWH
8/1/2022-10/31/2022	RESIDENTIAL DSM ADJUSTMENT	0.1567 CENTS/KWH
8/1/2022	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0168 CENTS/KWH
9/1/2022-9/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	1.2229 CENTS/KWH
10/1/2022-10/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	1.2139 CENTS/KWH
11/1/2022	PURCHASED POWER ADJUSTMENT CLAUSE	0.8391 CENTS/KWH
11/1/2022	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0075 CENTS/KWH
11/1/2022	RESIDENTIAL DSM ADJUSTMENT	-0.0375 CENTS/KWH

~ Surcharges currently in effect are in bold.

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

Hawaiian Electric Company, Inc. Residential Bill at 500 KWH/Month Consumption



Hawaiian Electric Company, Inc.
CALCULATIONS OF THE AVERAGE RESIDENTIAL CUSTOMER BILL

	Rate		Charge (\$) at 500 kWh			
	10/1/2022	11/1/2022	10/1/2022	11/1/2022	Difference	
Base Rates	effective date:	01/01/19	01/01/19			
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00	0.00
Non-fuel Fuel Energy Charge						
First 350 kWhr per month	¢/kWh	10.6812	10.6812	37.38	37.38	0.00
Next 850 kWhr per month	¢/kWh	11.8347	11.8347	17.75	17.75	0.00
Customer Charge	\$	11.50	11.50	11.50	11.50	0.00
Total Base Charges			66.63	66.63	0.00	
Purchase Power Adjustment	¢/kWh	1.2139	0.8391	6.07	4.20	-1.87
RBA Rate Adjustment	¢/kWh	1.9085	1.9085	9.54	9.54	0.00
DSM Adjustment	¢/kWh	0.1567	-0.0375	0.78	-0.19	-0.97
Demand Response Adjustment Clause	¢/kWh	-0.0052	-0.0075	-0.03	-0.04	-0.01
Interim Rate Increase (TY 2017)	% on base	0.000%	0.000%	0.00	0.00	0.00
Refund of 2011 Interim	% on base	0.000%	0.000%	0.00	0.00	0.00
PBF Surcharge	¢/kWh	0.6488	0.6488	3.24	3.24	0.00
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0168	0.0168	0.08	0.08	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Energy Cost Recovery	¢/kWh	29.205	28.468	146.03	142.34	-3.69
Green Infrastructure Fee	\$	1.18	1.18	1.18	1.18	0.00
Avg Residential Bill at 500 kWh			233.52	226.98		

Increase / (Decrease -)	-6.54
% Change	-2.80%

	Rate		Charge (\$) at 600 kWh			
	10/1/2022	11/1/2022	10/1/2022	11/1/2022	Difference	
Base Rates	effective date:	01/01/19	01/01/19			
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00	0.00
Non-fuel Fuel Energy Charge						
First 350 kWhr per month	¢/kWh	10.6812	10.6812	37.38	37.38	0.00
Next 850 kWhr per month	¢/kWh	11.8347	11.8347	29.59	29.59	0.00
Customer Charge	\$	11.50	11.50	11.50	11.50	0.00
Total Base Charges			78.47	78.47	0.00	
Purchase Power Adjustment	¢/kWh	1.2139	0.8391	7.28	5.03	-2.25
RBA Rate Adjustment	¢/kWh	1.9085	1.9085	11.45	11.45	0.00
DSM Adjustment	¢/kWh	0.1567	-0.0375	0.94	-0.23	-1.17
Demand Response Adjustment Clause	¢/kWh	-0.0052	-0.0075	-0.03	-0.05	-0.02
Interim Rate Increase (TY 2017)	% on base	0.000%	0.000%	0.00	0.00	0.00
Refund of 2011 Interim	% on base	0.000%	0.000%	0.00	0.00	0.00
PBF Surcharge	¢/kWh	0.6488	0.6488	3.89	3.89	0.00
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0168	0.0168	0.10	0.10	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Energy Cost Recovery	¢/kWh	29.205	28.468	175.23	170.81	-4.42
Green Infrastructure Fee	\$	1.18	1.18	1.18	1.18	0.00
Avg Residential Bill at 600 kWh			278.51	270.65		

Increase / (Decrease -)	-7.86
% Change	-2.82%

From: puc@hawaii.gov
Sent: Wednesday, October 26, 2022 8:55 AM
To: Oya, Tyler
Subject: Hawaii PUC eFiling Confirmation of Filing

[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 2022 Oct 26 AM 08:52. 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 TYLE22085221574. 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.