



September 28, 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 October 2022

Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") October 2022 Energy Cost Recovery Factor is 29.205 cents per kilowatt-hour ("kWh"), a decrease of 0.647 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$233.52, a decrease of \$3.27 compared to rates effective September 1, 2022. The decrease in the residential typical bill is due to a decrease in the Energy Cost Recovery Factor (-\$3.23) and a decrease in the Purchase Power Adjustment Clause rate (-\$0.04).

The Company's fuel composite cost of major energy decreased 102.67 cents per million BTU to 2,632.46 cents per million BTU. The Company's composite cost of minor energy increased 3.343 cents per kWh to 25.978 cents per kWh. The composite cost of purchased energy decreased 0.152 cents per kWh to 20.140 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 October 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>09/01/22</u>	<u>10/01/22</u>	
Composite Cost Of Major Energy, ¢/mmbtu	2,735.13	2,632.46	(102.67)
Composite Cost Of Minor Energy, ¢/kwh	22.635	25.978	3.343
Composite Cost Of Purchased Energy, ¢/kWh	20.292	20.140	(0.152)
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	29.852	29.205	(0.647)
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	29.852	29.205	(0.647)
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	236.79	233.52	(3.27)
600 kWh Consumption, \$/bill	282.45	278.51	(3.94)

Supercedes Sheet Effective:

September 1, 2022

Hawaiian Electric Company, Inc.
ENERGY COST RECOVERY FILING

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

Line	Effective Date	- October 1, 2022
2	Supersedes Factor	- September 1, 2022

GENERATION COMPONENT

MAJOR ENERGY COMPONENT				MINOR ENERGY COMPONENT			
FUEL PRICES, \$/mmbtu				Gen Cost			
3	Honolulu	0.00		Fuel Type	\$/KWH	Percent of	Weighted Gen
4	Kahe	2,632.46		32a Airport DG	35.30	Minor Energy	Cost \$/KWH
5	Waiau-Steam	2,632.46		32b CIP-Biodiesel	0.00	3.59%	1.2685
6	(Future Use)	0.00		32c CT-1 (CIP) ULSD	112.26	0.00%	0.0000
7	(Future Use)	0.00		32d SGS - Biodiesel	30.60	2.89%	3.2498
8	(Future Use)	0.00		32e SGS - ULSD	17.16	29.62%	9.0634
9	Other	0		32f Waiau-Diesel	54.52	1.62%	0.2774
				32g West Loch PV	0.00	22.23%	12.1194
				32h COMPOSITE COST OF MINOR		40.05%	0.0000
				ENERGY, \$/kWh			25.978
10	Honolulu	0.00		33 % Input to System kWh Mix			1.28
11	Kahe	70.37					
12	Waiau-Steam	29.63		34 WTD COMP MINOR ENERGY COST,			
13	(Future Use)	0.00		\$/kWh (Lines 32h x 33)			0.33252
14	(Future Use)	0.00		35 2017 TY Loss Factor			1.0490
15	(Future Use)	0.00		36 WTD COMP MINOR ENERGY COST, \$/kWh (Line 34 x 35)			0.34881
16	Other	0.00					
		100.00		37 BASE MINOR ENERGY COMP COST			0.0000
17	COMPOSITE COST OF GENERATION,			38 Base % Input to System kWh Mix			0.0000
	MAJOR ENERGY \$/mmbtu	2,632.46		39 WTD BASE MINOR ENERGY COST,			
18	% Input to system kWh Mix	59.07		\$/kWh (Line 37 x 38)			0.00000
				40 2017 TY Loss Factor			1.0490
	EFFICIENCY FACTOR, mmbtu/kWh			41 WTD COMP MINOR ENERGY COST, \$/kWh (Line 39 x 40)			0.00000
	(A) (B) (C) (D)			42 Cost Less Base (Line 36 - 41)			0.348813
	Fuel Type Eff Factor	Percent of	Weighted	43 Revenue Tax Adjustment (1 / (1-0.08885))			1.097514
19	LSFO 0.011142	Centrl Stn +	Eff Factor	44 MINOR ENERGY FACTOR,			0.38283
20	(Future Use) 0.000000	Other		\$/kWh (Line 42 x 43)			
21	(Future Use) 0.000000						
22	Other 0.011142						
	(Lines 19 through 22): Col(B) x Col(C) = Col(D)						
23	Weighted Efficiency Factor, mmbtu/kWh						
	[lines 19(D) + 20(D) + 21(D) + 22(D)]						0.011142
24	WEIGHTED MAJOR ENERGY COST,						
	\$/kWh Sales						
	(lines 17 x 18 x 23)						17.32574
25	BASE MAJOR ENERGY COST, \$/mmbtu						0.00
26	Base % Input to System kWh Mix						0.0000
27	Efficiency Factor, Mbtu/kWh						0.000000
28	WEIGHTED BASE MAJOR ENERGY COST						
	\$/KWH Sales (lines 25 x 26 x 27)						0.00000
29	Cost Less Base (Line 24 - 28)						17.32574
30	Revenue Tax Adjustment (1 / (1-0.08885))						1.097514
31	MAJOR ENERGY GENERATION FACTOR,						
	\$/KWH (Line 29 x 30)						19.01524

SUMMARY OF TOTAL GENERATION FACTOR, \$/kWh		
45 MAJOR ENERGY (line 31)		19.01524
46 MINOR ENERGY (line 44)	-	0.38283
47 TOTAL GENERATION FACTOR, \$/KWH (lines 45 + 46)	-	19.39807

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

Line	Effective Date	- October 1, 2022
2	Supercedes Factor	- September 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	25.331	Baseline LSFO
49	PAR Hawaii	- Off Peak	27.370	101 LSFO \$, baseline month
50	IES Downstream		0.000	102 LSFO mmbtu, baseline
51	Kalaeloa		23.172	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		23.73	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	0.23	118D Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month
69	PAR Hawaii	- Off Peak	0.16	
70	IES Downstream		0.05	119 Fossil Cost Risk Sharing before taxes
71	Kalaeloa		55.48	120 Revenue Tax Adjustment
72	AES-HI		0.00	121 Fossil Cost Risk Sharing w/revenue tax
73				
73a	Subtotal Fossil %		55.92	122 Forecasted Month MWh Sales
	PURCHASED ENERGY KWH MIX - RENEWABLE - %			123 Fossil Fuel Cost Risk Sharing Component, c/kWh
74	HRRV	- On Peak	8.91	
75		- Off Peak	3.38	
76	HRRV	- On Peak (excess)	0.00	
77		- Off Peak (excess)	2.46	
78	Kawailoa Wind		5.20	
79	Kahuku Wind		3.07	
80	Waianae Solar PV		2.38	
81	As Available I		0.75	
82	FIT		2.78	
83	CBRE PV		0.00	
84	Kawailoa PV		4.11	
85	Lanikuhana PV		1.27	
86	Waipio PV		3.97	
87	Na Pua Makani Wind		3.17	
87.1	Milliani I Solar		2.64	
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 %		44.08	
87b	Total Purchased Energy %		100.00	
87c	Composite Cost of Purchased Energy, Fossil		23.17	
87d	Composite Cost of Purchased Energy, Renewable		16.29	
88	COMPOSITE COST OF PURCHASED ENERGY, \$/KWH		20.140	
89	% Input to System kWh Mix		39.65	
90	WTD CMP PURCH ENRGY COST, \$/KWH (lines 88 x 89)		7.98551	
91	2017 TY Loss Factor		1.0490	
92	WTD CMP PURCH ENRGY COST, \$/KWH (lines 90 x 91)		8.37680	
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)		8.37680	
99	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514	
100	PURCHASED ENERGY FACTOR, \$/KWH (lines 98 x 99)		9.19366	
				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 October 1, 2022

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, ¢/Mbtu	2,631.16	2,631.16	2,631.16
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	2,631.16	2,632.46	2,632.46
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,838.11	-	2,765.68
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,838.11	-	2,765.68
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	3,547.23	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	3,547.23	
	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, \$/bbl	164.57	164.57	164.57
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	164.57	164.66	164.66
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, \$/bbl	165.01	-	158.36
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	165.01	-	158.36
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, \$/bbl	115.96	187.00	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	187.00	
Distributed Generation Fuel Prices Used for Filing, ¢/kWh			35.300

FOAC October 1, 2022

<u>LSFO</u>	BARRELS	MBTU	AMOUNT	AVE \$/MBTU
Per FOAC run	1,093,665	6,840,698	179,989,759	26.311608
Additional	-	-	-	-
Forecast Amt	1,093,665	6,840,698	179,989,759	26.311608
	-	6.20	-	ADD'L BBL
	6,840,698	1,093,665	6.2548	MBTU / BBL
	179,989,759	1,093,665	164.57	DOLLARS / BBL
<u>WAI AU DIESEL</u>	8,547	49,693	1,410,337	28.381090
	1,410,337	8,547	165.01	DOLLARS / BBL
<u>CIP BIODIESEL</u>	-	-	-	-
	-	-	-	DOLLARS / BBL
<u>CIP DIESEL</u>	33,352	190,965	5,281,484	27.656844
	5,281,484	33,352	158.36	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>	5,476	28,866	1,023,944	35.4722876
	1,023,944	5,476	187.00	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)	\$	34.58	\$	35.47	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		2,665		18,561		1008	Estimated MBTU Consumption
(B1)		508		3,537		176	Estimated fuel consumption barrels
(C) = (A) x (B)		\$92,152		\$658,390		\$20,158	Estimated Distributed Generation Fuel Cost (\$)
(D)		261,056		2,151,772		117,440	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>35.300</u>		<u>30.600</u>		<u>17.160</u>	¢/kWh

Hawaiian Electric Company, Inc.
ECA RECONCILIATION ADJUSTMENT
October 2022

1.	Amount to be collected	\$	7,276,200
2.	Monthly Amount (Line 1 x 1/3)	\$	2,425,400
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	2,661,911
5.	Estimated MWh Sales (October 2022)		545,034
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.488</u></u>

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		
October					2,425,400		

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		RESIDENTIAL BILL (\$)	
	<u>RESIDENTIAL & COMMERCIAL</u>	<u>CENTS / KWH</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

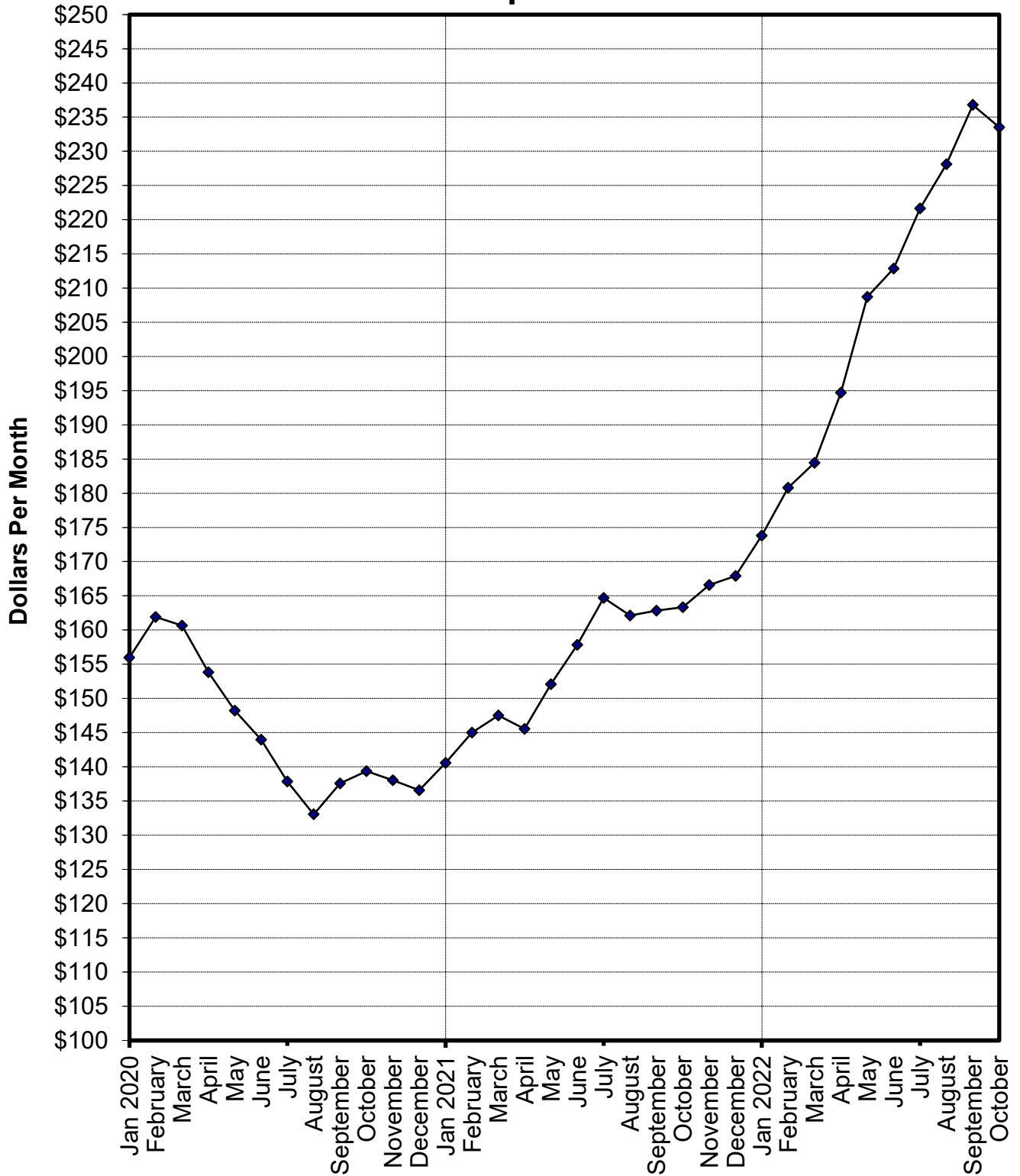
**Hawaiian Electric Company, Inc.
RESIDENTIAL SURCHARGE DATA**

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	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0052 CENTS/KWH
8/1/2022	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	PURCHASED POWER ADJUSTMENT CLAUSE	1.2139 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			
	9/1/2022	10/1/2022	9/1/2022	10/1/2022	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 kWh per month	¢/kWh	10.6812	10.6812	37.38	37.38	0.00
Next 850 kWh 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	1.2229	1.2139	6.11	6.07	-0.04
RBA Rate Adjustment	¢/kWh	1.9085	1.9085	9.54	9.54	0.00
DSM Adjustment	¢/kWh	0.1567	0.1567	0.78	0.78	0.00
Demand Response Adjustment Clause	¢/kWh	-0.0052	-0.0052	-0.03	-0.03	0.00
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	29.852	29.205	149.26	146.03	-3.23
Green Infrastructure Fee	\$	1.18	1.18	1.18	1.18	0.00
Avg Residential Bill at 500 kWh				236.79	233.52	

Increase / (Decrease -) -3.27
% Change -1.38%

	Rate		Charge (\$) at 600 kWh			
	9/1/2022	10/1/2022	9/1/2022	10/1/2022	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 kWh per month	¢/kWh	10.6812	10.6812	37.38	37.38	0.00
Next 850 kWh 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	1.2229	1.2139	7.34	7.28	-0.06
RBA Rate Adjustment	¢/kWh	1.9085	1.9085	11.45	11.45	0.00
DSM Adjustment	¢/kWh	0.1567	0.1567	0.94	0.94	0.00
Demand Response Adjustment Clause	¢/kWh	-0.0052	-0.0052	-0.03	-0.03	0.00
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	29.852	29.205	179.11	175.23	-3.88
Green Infrastructure Fee	\$	1.18	1.18	1.18	1.18	0.00
Avg Residential Bill at 600 kWh				282.45	278.51	

Increase / (Decrease -) -3.94
% Change -1.39%

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