



May 26, 2023

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 June 2023

Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") June 2023 Energy Cost Recovery Factor is 21.437 cents per kilowatt-hour ("kWh"), a decrease of 1.039 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$199.52, a decrease of \$2.67 compared to rates effective May 1, 2023. The decrease in the residential typical bill is due to a decrease in the Energy Cost Recovery Factor (-\$5.19), which is partially offset by an increase in the Purchase Power Adjustment Clause rate (+\$0.06) and an increase in the RBA rate adjustment (+\$2.46). In accordance with Order No. 39293, the RBA Rate Adjustment recovers the RBA Revenue Adjustment effective June 1, 2023, and is implemented as a percentage of all rate schedule charges, including all charges for Surcharges, Clauses, and Fees, but excluding charges related to the ECRC and the RBA Rate Adjustment.

The Company's fuel composite cost of major energy decreased 94.96 cents per million BTU to 1,850.75 cents per million BTU. The Company's composite cost of minor energy decreased 2.122 cents per kWh to 11.387 cents per kWh. The composite cost of purchased energy decreased 0.816 cents per kWh to 15.357 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 June 1, 2023.

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>05/01/23</u>	<u>06/01/23</u>	
Composite Cost Of Major Energy, ¢/mmbtu	1,945.71	1,850.75	(94.96)
Composite Cost Of Minor Energy, ¢/kwh	13.509	11.387	(2.122)
Composite Cost Of Purchased Energy, ¢/kWh	16.173	15.357	(0.816)
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	22.476	21.437	(1.039)
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	22.476	21.437	(1.039)
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	202.19	199.52	(2.67)
600 kWh Consumption, \$/bill	240.90	237.39	(3.51)

Supersedes Sheet Effective:

May 1, 2023

Hawaiian Electric Company, Inc.  
ENERGY COST RECOVERY FILING

ENERGY COST RECOVERY (ECR) FILING - June 1, 2023 (page 1 of 2)

Line		
1	Effective Date	- June 1, 2023
2	Supercedes Factor	- May 1, 2023

**GENERATION COMPONENT**

MAJOR ENERGY COMPONENT				MINOR ENERGY COMPONENT			
				Fuel Type	Gen Cost \$/KWH	Percent of Minor Energy	Weighted Gen Cost \$/KWH
3	Honolulu		0.00	32a Airport DG	30.95	2.66%	0.8246
4	Kahe		1,850.75	32b CIP-Biodiesel	0.00	0.00%	0.0000
5	Waiiau-Steam		1,850.75	32c CT-1 (CIP) ULSD	0.00	0.00%	0.0000
6	(Future Use)		0.00	32d SGS - Biodiesel	23.97	22.78%	5.4606
7	(Future Use)		0.00	32e SGS - ULSD	16.70	21.92%	3.6612
8	(Future Use)		0.00	32f Waiiau-Diesel	39.67	3.63%	1.4406
9	Other		0	32g West Loch PV	0.00	49.00%	0.0000
	BTU MIX, %			32h COMPOSITE COST OF MINOR ENERGY, \$/kWh			11.387
10	Honolulu		0.00	33 % Input to System kWh Mix			1.62
11	Kahe		72.46	34 WTD COMP MINOR ENERGY COST, \$/kWh (Lines 32h x 33)			0.18447
12	Waiiau-Steam		27.54	35 2017 TY Loss Factor			1.0490
13	(Future Use)		0.00	36 WTD COMP MINOR ENERGY COST, \$/kWh (Line 34 x 35)			0.19351
14	(Future Use)		0.00	37 BASE MINOR ENERGY COMP COST			0.0000
15	(Future Use)		0.00	38 Base % Input to System kWh Mix			0.0000
16	Other		0.00	39 WTD BASE MINOR ENERGY COST, \$/kWh (Line 37 x 38)			0.00000
17	COMPOSITE COST OF GENERATION, MAJOR ENERGY \$/mmbtu		1,850.75	40 2017 TY Loss Factor			1.0490
18	% Input to system kWh Mix		53.50	41 WTD COMP MINOR ENERGY COST, \$/kWh (Line 39 x 40)			0.000000
	EFFICIENCY FACTOR, mmbtu/kWh	(A)	(B)	(C)	(D)		
				Percent of Centrl Stn + Other	Weighted Eff Factor		
19	LSFO		0.011142	100.00	0.011142		
20	(Future Use)		0.000000	0.00	0.000000		
21	(Future Use)		0.000000	0.00	0.000000		
22	Other		0.011142	0.00	0.000000		
	(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)				11.03227		
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)		11.03227				
30	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514				
31	MAJOR ENERGY GENERATION FACTOR, \$/KWH (Line 29 x 30)				12.10807		

SUMMARY OF TOTAL GENERATION FACTOR, \$/kWh		
45 MAJOR ENERGY (line 31)		12.10807
46 MINOR ENERGY (line 44)	-	0.21238
47 TOTAL GENERATION FACTOR, \$/KWH (lines 45 + 46)	-	12.32045

ENERGY COST RECOVERY (ECR) FILING - June 1, 2023 (page 2 of 2)

Line	Effective Date	
1	- June 1, 2023	
2	- May 1, 2023	

PURCHASED ENERGY COMPONENT				Calculation of Monthly Fossil Fuel Cost Risk Sharing Component			
<b>PURCHASED ENERGY PRICE - FOSSIL - ¢/KWH</b>				<b>Baseline LSFO</b>			
48	PAR Hawaii	- On Peak	19.281	101	LSFO \$, baseline month		\$86,713,031
49	PAR Hawaii	- Off Peak	19.484	102	LSFO mmbtu, baseline		3,645,940
50	IES Downstream		0.000	103	Baseline LSFO, ¢/mmbtu		2378.35
51	Kalaeloa		15.749	<b>Baseline Diesel</b>			
52	Unused			104	Diesel \$, baseline month		\$7,199,136
53				105	Diesel mmbtu, baseline		269,088
<b>PURCHASED ENERGY PRICE - RENEWABLE - ¢/KWH</b>				106	Baseline Diesel, ¢/mmbtu		2,675.39
54	HRRV	- On Peak	20.43	<b>Month LSFO</b>			
55		- Off Peak	19.84	107	LSFO mmbtu, budget		3,125,191
56	HRRV	- On Peak (excess)	13.01	108	LSFO Cost, ¢/mmbtu		1,850.75
57		- Off Peak (excess)	7.81	109	LSFO ECRC Fossil Cost		\$57,839,470
58	Kawaiioa Wind		23.77	110	LSFO Base ECRC Recovery Target		\$74,327,824
59	Kahuku Wind		22.30	111	LSFO differential		-\$16,488,354
60	Waianae Solar PV		14.50	<b>Month Diesel</b>			
61	As Available I		23.91	112	Diesel mmbtu, budget		22,776
62	FIT		23.74	113	Diesel Cost, ¢/mmbtu		2,051.85
63	CBRE PV		15.00	114	Diesel ECRC Fossil Cost		\$467,326
64	Kawaiioa PV		12.73	115	Diesel Base ECRC Recovery Target		\$609,341
65	Lanikuhana PV		13.05	116	Diesel differential		-\$142,015
66	Waipio PV		12.18	117	Total Fossil		-\$16,630,369
67	Na Pua Makani Wind		14.21	118	2% of above		-\$332,607
67.1	Milliani I Solar		0.00	118A	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year		-\$661,725
67.2	Waiawa Solar		0.00	118B	Maximum Annual Cap (bi-directional)		\$2,500,000
67.3	Unused		0.00	118C	Applicable Monthly Fossil Fuel Cost Risk Sharing		-\$332,607
67.4	Unused		0.00	118D	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month		-\$994,332
67.5	Unused		0.00	119	Fossil Cost Risk Sharing before taxes		-\$332,607
67.6	Unused		0.00	120	Revenue Tax Adjustment		1,097,514
<b>PURCHASED ENERGY KWH MIX - FOSSIL - %</b>				121	Fossil Cost Risk Sharing w/revenue tax		-\$365,041
68	PAR Hawaii	- On Peak	0.21	122	Forecasted Month MWh Sales		521,960
69	PAR Hawaii	- Off Peak	0.15	123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh		0.0699
70	IES Downstream		0.05	<b>Derivation of Non-Adjustable Component:</b>			
71	Kalaeloa		53.24	80A	Fuel Handling Exp, \$000		\$7,604.5
72	Unused				Final Settlement, HECO-603, p1		
73				80B	Revenue Tax Adjustment		1,097,514
73a	Subtotal Fossil %		53.64	80C	Non-Adj Revenues, \$000		\$8,346.0
<b>PURCHASED ENERGY KWH MIX - RENEWABLE - %</b>				80D	2017 TY Sales, MWh		6,660,200
74	HRRV	- On Peak	7.82		HECO-301, p1		
75		- Off Peak	3.12	80E	Non-Adj Revenues, ¢/kWh		0.12531
76	HRRV	- On Peak (excess)	0.00				
77		- Off Peak (excess)	2.15				
78	Kawaiioa Wind		4.06				
79	Kahuku Wind		2.49				
80	Waianae Solar PV		2.58				
81	As Available I		0.82				
82	FIT		3.12				
83	CBRE PV		0.03				
84	Kawaiioa PV		4.37				
85	Lanikuhana PV		1.26				
86	Waipio PV		3.93				
87	Na Pua Makani Wind		3.39				
87.1	Milliani I Solar		3.69				
87.2	Waiawa Solar		3.51				
87.3	Unused		0.00				
87.4	Unused		0.00				
87.5	Unused		0.00				
87.6	Unused		0.00				
87a	Subtotal Renewable %		46.35				
87b	Total Purchased Energy %		100.00				
87c	Composite Cost of Purchased Energy, Fossil		15.76				
87d	Composite Cost of Purchased Energy, Renewable		14.89				
88	COMPOSITE COST OF PURCHASED ENERGY, ¢/KWH		15.357	<b>Line SYSTEM COMPOSITE</b>			
89	% Input to System kWh Mix		44.88	124	GEN AND PURCHASED ENERGY FACTOR, ¢/kWh (lines 47 + 100)		20.2554
90	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 88 x 89)	6.89222		125	(Future Use) Adjustment, ¢/kWh		0.0000
91	2017 TY Loss Factor	1.0490		126	ECR Reconciliation Adjustment		0.9860
92	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 90 x 91)	7.22994		127	Non-Adjustable Component (line 80E)		0.1253
93	BASE PURCHASED ENERGY COMPOSITE COST, ¢/KWH	0.0000		128	Fossil Fuel Cost Risk Sharing Component (line 123)		0.0699
94	Base % Input to System kWh Mix	0.0000		129	Monthly Energy Cost Recovery Factor (lines 124 + 125 + 126 + 127 + 128)		21.437
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)	7.22994					
99	Revenue Tax Adjustment (1 / (1-0.08885))	1.097514					
100	PURCHASED ENERGY FACTOR, ¢/KWH (lines 98 x 99)	7.93496					

**Hawaiian Electric Company, Inc.**  
**FUEL OIL INVENTORY PRICES FOR June 1, 2023**

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, ¢/Mbtu	1,849.45	1,849.45	1,849.45
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	1,849.45	1,850.75	1,850.75
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,194.44	-	2,143.78
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,194.44	-	2,143.78
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	2,768.72	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	2,768.72	
	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, \$/bbl	116.58	116.58	116.58
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	116.58	116.66	116.66
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, \$/bbl	125.65	-	122.97
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	125.65	-	122.97
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, \$/bbl	115.96	146.37	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	146.37	
Distributed Generation Fuel Prices Used for Filing, ¢/kWh			30.950

FOAC June 1, 2023

<b><u>LSFO</u></b>	<b>BARRELS</b>	<b>MBTU</b>	<b>AMOUNT</b>	<b>AVE \$/MBTU</b>
Per FOAC run	895,763	5,646,586	104,430,563	18.494462
Additional	-	-	-	-
Forecast Amt	895,763	5,646,586	104,430,563	18.494462
	-	6.20	-	ADD'L BBL
	5,646,586	895,763	6.3037	MBTU / BBL
	104,430,563	895,763	116.58	DOLLARS / BBL
<b><u>WAI AU DIESEL</u></b>	33,359	191,003	4,191,440	21.944372
	4,191,440	33,359	125.65	DOLLARS / BBL
<b><u>CIP BIODIESEL</u></b>	-	-	-	-
	-	-	-	DOLLARS / BBL
<b><u>CIP DIESEL</u></b>	54,699	313,766	6,726,433	21.437770
	6,726,433	54,699	122.97	DOLLARS / BBL
<b><u>SGS ULSD</u></b>	426	2,469	49,400	20.007140
	49,399.63	426	115.96	DOLLARS / BBL
<b><u>SGS BIODIESEL</u></b>	4,492	23,748	657,507	27.68721689
	657,507	4,492	146.37	DOLLARS / BBL
<b>FUEL ADDITIVE</b>				0.013019
Additional				
Forecast Amt	-	-	-	0.013019
\$ / BBL =	-	-	0.08	DOLLARS / BBL
<b>HONOLULU TRUCKING COST</b>				
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)	\$	30.31	\$	27.69	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		2,491		18,061		16763	Estimated MBTU Consumption
(B1)		475		3,442		2926	Estimated fuel consumption barrels
(C) = (A) x (B)		\$75,506		\$500,069		\$335,388	Estimated Distributed Generation Fuel Cost (\$)
(D)		244,000		2,086,378		2,007,872	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>30.950</u>		<u>23.970</u>		<u>16.700</u>	¢/kWh

**Hawaiian Electric Company, Inc.**  
**ECA RECONCILIATION ADJUSTMENT**  
**June 2023**

1.	Amount to be collected	\$	14,067,100
2.	Monthly Amount (Line 1 x 1/3)	\$	4,689,033
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	5,146,280
5.	Estimated MWh Sales (June 2023)		521,960
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.986</u></u>



**HAWAIIAN ELECTRIC COMPANY, INC.**  
**2023 Cumulative Reconciliation Balance**

Month	(1) YTD FOA Reconciliation	Qtr	(2) FOA Rec Variance	(3) FOA Rec Less Variance	(4) Try to Collect	(5) Actual Collect	(6) Month-end Cumulative Balance
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	2,509,424	20,905
November	(9,873,900)	(3)	(63,125)	(9,810,775)	3,291,300	3,404,135	(6,385,735)
December					3,291,300	3,416,826	(2,968,909)
January 23					3,291,300	3,279,256	310,347
February	(10,447,000)	(4)	322,385	(10,769,385)	3,482,333	3,386,039	(7,072,999)
March					3,482,333	3,465,220	(3,607,779)
April					3,482,333	3,441,016	(166,763)
May	(14,067,100)	(1)	(125,452)	(13,941,648)	4,689,033		
June					4,689,033		

**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 &amp; 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
December 1, 2022	28.053		224.90	268.16
January 1, 2023	27.262		222.63	265.42
February 1, 2023	25.953		219.26	261.37
March 1, 2023	24.781		213.48	254.44
April 1, 2023	23.208		205.58	244.97
May 1, 2023	22.476		202.19	240.90
June 1, 2023	21.437		199.52	237.39

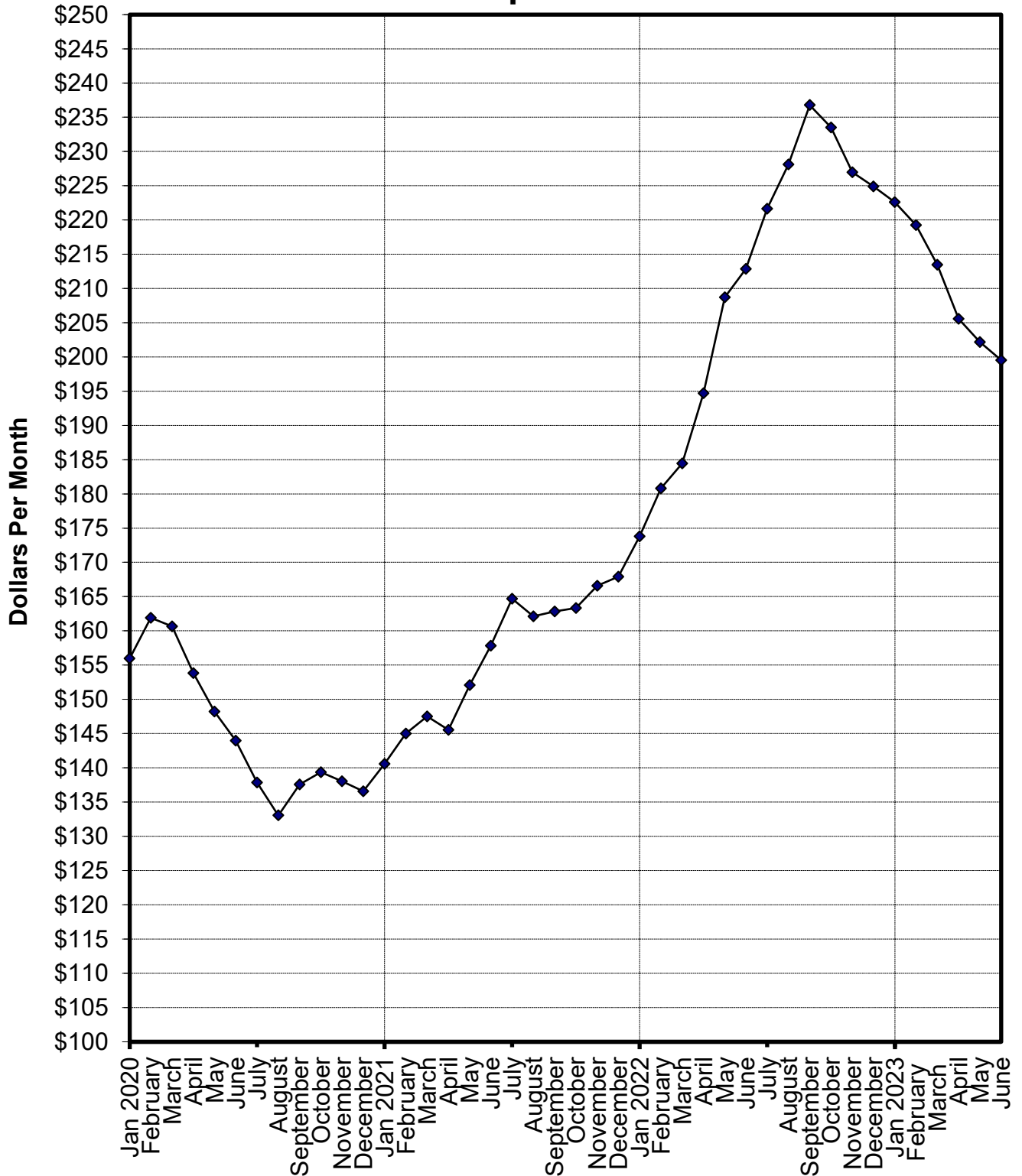
**Hawaiian Electric Company, Inc.**  
**RESIDENTIAL SURCHARGE DATA**

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
<b>9/1/2018</b>	<b>FINAL RATE INCREASE (TY2017) -0.039% EFFECTIVE 09/01/18, DOCKET NO. 2016-0328</b>	
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
<b>5/1/2022</b>	<b>SOLAR SAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
6/1/2022-6/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.5505 CENTS/KWH
6/1/2022-12/31/2022	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.9085 CENTS/KWH
7/1/2022-12/31/2022	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
7/1/2022-7/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	2.6139 CENTS/KWH
<b>7/1/2022</b>	<b>RESID. PBF SURCHARGE ADJUSTMENT</b>	<b>0.6488 CENTS/KWH</b>
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
<b>8/1/2022</b>	<b>RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION</b>	<b>0.0168 CENTS/KWH</b>
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
11/1/2022-11/30/2022	PURCHASED POWER ADJUSTMENT CLAUSE	0.8391 CENTS/KWH
11/1/2022-1/31/2023	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0075 CENTS/KWH
11/1/2022-1/31/2023	RESIDENTIAL DSM ADJUSTMENT	-0.0375 CENTS/KWH
12/1/2022-12/31/2022	PURCHASED POWER ADJUSTMENT CLAUSE	0.8385 CENTS/KWH
1/1/2023-1/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	0.8495 CENTS/KWH
<b>1/1/2023</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.23 DOLLARS/MONTH</b>
1/1/2023-5/31/2023	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	2.2241 CENTS/KWH
2/1/2023-4/30/2023	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0083 CENTS/KWH
2/1/2023-4/30/2023	RESIDENTIAL DSM ADJUSTMENT	0.0921 CENTS/KWH
2/1/2023-2/28/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.3539 CENTS/KWH
3/1/2023-3/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.3695 CENTS/KWH
4/1/2023-4/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.3647 CENTS/KWH
5/1/2023-5/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.3768 CENTS/KWH
<b>5/1/2023</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>0.1299 CENTS/KWH</b>
<b>5/1/2023</b>	<b>RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)</b>	<b>-0.0049 CENTS/KWH</b>
<b>6/1/2023</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>1.3883 CENTS/KWH</b>
<b>6/1/2023</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>17.25% PERCENT OF ALL RATE SCHEDULE CHARGES, EXCLUDING ECRC and RBA</b>

~ 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		
	5/1/2023	6/1/2023	5/1/2023	6/1/2023	Difference
<b>Base Rates</b>	effective date:	01/01/19	01/01/19		
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00
Non-fuel Fuel Energy Charge					
First 350 kWh per month	¢/kWh	10.6812	10.6812	37.38	37.38
Next 850 kWh per month	¢/kWh	11.8347	11.8347	17.75	17.75
Customer Charge	\$	11.50	11.50	11.50	11.50
<b>Total Base Charges</b>				66.63	66.63
<b>Purchase Power Adjustment</b>	¢/kWh	1.3768	1.3883	6.88	6.94
<b>RBA Rate Adjustment</b>	¢/kWh // % except ECRC	2.2241	17.25%	11.12	13.58
<b>DSM Adjustment</b>	¢/kWh	0.1299	0.1299	0.65	0.65
<b>Demand Response Adjustment Clause</b>	¢/kWh	-0.0049	-0.0049	-0.02	-0.02
<b>Interim Rate Increase (TY 2017)</b>	% on base	0.000%	0.000%	0.00	0.00
<b>Refund of 2011 Interim</b>	% on base	0.000%	0.000%	0.00	0.00
<b>PBF Surcharge</b>	¢/kWh	0.6488	0.6488	3.24	3.24
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0168	0.0168	0.08	0.08
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	22.476	21.437	112.38	107.19
<b>Green Infrastructure Fee</b>	\$	1.23	1.23	1.23	1.23
<b>Avg Residential Bill at 500 kWh</b>				202.19	199.52

Increase / (Decrease -) -2.67  
% Change -1.32%

	Rate		Charge (\$) at 600 kWh		
	5/1/2023	6/1/2023	5/1/2023	6/1/2023	Difference
<b>Base Rates</b>	effective date:	01/01/19	01/01/19		
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00
Non-fuel Fuel Energy Charge					
First 350 kWh per month	¢/kWh	10.6812	10.6812	37.38	37.38
Next 850 kWh per month	¢/kWh	11.8347	11.8347	29.59	29.59
Customer Charge	\$	11.50	11.50	11.50	11.50
<b>Total Base Charges</b>				78.47	78.47
<b>Purchase Power Adjustment</b>	¢/kWh	1.3768	1.3883	8.26	8.33
<b>RBA Rate Adjustment</b>	¢/kWh // % except ECRC	2.2241	17.25%	13.34	16.00
<b>DSM Adjustment</b>	¢/kWh	0.1299	0.1299	0.78	0.78
<b>Demand Response Adjustment Clause</b>	¢/kWh	-0.0049	-0.0049	-0.03	-0.03
<b>Interim Rate Increase (TY 2017)</b>	% on base	0.000%	0.000%	0.00	0.00
<b>Refund of 2011 Interim</b>	% on base	0.000%	0.000%	0.00	0.00
<b>PBF Surcharge</b>	¢/kWh	0.6488	0.6488	3.89	3.89
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0168	0.0168	0.10	0.10
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	22.476	21.437	134.86	128.62
<b>Green Infrastructure Fee</b>	\$	1.23	1.23	1.23	1.23
<b>Avg Residential Bill at 600 kWh</b>				240.90	237.39

Increase / (Decrease -) -3.51  
% Change -1.46%

Note: Effective June 1, 2023, the RBA Rate Adjustment is billed based on the total billed amount before the RBA rate adjustment excluding the Energy Cost Recovery.

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**From:** puc@hawaii.gov  
**Sent:** Friday, May 26, 2023 11:15 AM  
**To:** Oya, Tyler  
**Subject:** Hawaii PUC eFiling Confirmation of Filing

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