



June 28, 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 July 2023

Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") July 2023 Energy Cost Recovery Factor is 20.594 cents per kilowatt-hour ("kWh"), a decrease of 0.843 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$195.82, a decrease of \$3.70 compared to rates effective June 1, 2023. The decrease in the residential typical bill is due to a decrease in the Energy Cost Recovery Factor (-\$4.22) and a decrease in the Green Infrastructure Fee (-\$0.05), which are partially offset by an increase in the Purchase Power Adjustment Clause rate (+\$0.13), an increase in the impact of the RBA rate adjustment (+\$0.08), and an increase in the Public Benefits Fund Surcharge (+\$0.36).

The Company's fuel composite cost of major energy decreased 130.28 cents per million BTU to 1,720.47 cents per million BTU. The Company's composite cost of minor energy decreased 1.096 cents per kWh to 10.291 cents per kWh. The composite cost of purchased energy increased 0.109 cents per kWh to 15.466 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 July 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>06/01/23</u>	<u>07/01/23</u>	
Composite Cost Of Major Energy, ¢/mmbtu	1,850.75	1,720.47	(130.28)
Composite Cost Of Minor Energy, ¢/kwh	11.387	10.291	(1.096)
Composite Cost Of Purchased Energy, ¢/kWh	15.357	15.466	0.109
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	21.437	20.594	(0.843)
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	21.437	20.594	(0.843)
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	199.52	195.82	(3.70)
600 kWh Consumption, \$/bill	237.39	232.95	(4.44)

Supersedes Sheet Effective:

June 1, 2023

Hawaiian Electric Company, Inc.
ENERGY COST RECOVERY FILING

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

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

GENERATION COMPONENT

MAJOR ENERGY COMPONENT				MINOR ENERGY COMPONENT			
FUEL PRICES, \$/mmbtu				Fuel Type	Gen Cost	Percent of	Weighted Gen
3	Honolulu		0.00		\$/KWH	Minor Energy	Cost \$/KWH
4	Kahe		1,720.47	32a Airport DG	29.44	0.21%	0.0628
5	Waiau-Steam		1,720.47	32b CIP-Biodiesel	0.00	0.00%	0.0000
6	(Future Use)		0.00	32c CT-1 (CIP) ULSD	0.00	0.00%	0.0000
7	(Future Use)		0.00	32d SGS - Biodiesel	22.89	25.84%	5.9140
8	(Future Use)		0.00	32e SGS - ULSD	16.73	25.79%	4.3144
9	Other		0	32f Waiau-Diesel	0.00	0.00%	0.0000
				32g West Loch PV	0.00	48.16%	0.0000
	BTU MIX, %			32h COMPOSITE COST OF MINOR ENERGY, \$/kWh			10.291
10	Honolulu		0.00	33 % Input to System kWh Mix			1.52
11	Kahe		71.11				
12	Waiau-Steam		28.89	34 WTD COMP MINOR ENERGY COST, \$/kWh (Lines 32h x 33)			0.15643
13	(Future Use)		0.00				1.0490
14	(Future Use)		0.00	35 2017 TY Loss Factor			0.16490
15	(Future Use)		0.00	36 WTD COMP MINOR ENERGY COST, \$/kWh (Line 34 x 35)			0.16410
16	Other		0.00				
			100.00	37 BASE MINOR ENERGY COMP COST			0.0000
17	COMPOSITE COST OF GENERATION, MAJOR ENERGY \$/mmbtu		1,720.47	38 Base % Input to System kWh Mix			0.0000
18	% Input to system kWh Mix		54.33	39 WTD BASE MINOR ENERGY COST, \$/kWh (Line 37 x 38)			0.00000
	EFFICIENCY FACTOR, mmbtu/kWh	(A)	(B)	(C)	(D)		
				Percent of	Weighted		
				Centrl Stn +	Eff Factor		
				Other			
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)				10.41478		
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)				10.41478		
30	Revenue Tax Adjustment (1 / (1-0.08885))				1.097514		
31	MAJOR ENERGY GENERATION FACTOR, \$/KWH (Line 29 x 30)				11.43037		

SUMMARY OF TOTAL GENERATION FACTOR, \$/kWh		
45 MAJOR ENERGY (line 31)		11.43037
46 MINOR ENERGY (line 44)	-	0.18010
47 TOTAL GENERATION FACTOR, \$/KWH (lines 45 + 46)	-	11.61047

Hawaiian Electric Company, Inc.
ENERGY COST RECOVERY FILING

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

Line	Effective Date	- July 1, 2023
2	Supersedes Factor	- June 1, 2023

PURCHASED ENERGY COMPONENT			Calculation of Monthly Fossil Fuel Cost Risk Sharing Component			
PURCHASED ENERGY PRICE - FOSSIL - ¢/KWH						
48	PAR Hawaii	- On Peak	17.822	Baseline LSFO		
49	PAR Hawaii	- Off Peak	17.928	101	LSFO \$, baseline month	\$86,713,031
50	IES Downstream		0.000	102	LSFO mmbtu, baseline	3,645,940
51	Kalaeloa		15.989	103	Baseline LSFO, ¢/mmbtu	2378.35
52	Unused			Baseline Diesel		
53				104	Diesel \$, baseline month	\$7,199,136
PURCHASED ENERGY PRICE - RENEWABLE - ¢/KWH			20.43	105	Diesel mmbtu, baseline	269,088
54	HRRV	- On Peak	20.43	106	Baseline Diesel, ¢/mmbtu	2,675.39
55		- Off Peak	19.84	Month LSFO		
56	HRRV	- On Peak (excess)	13.01	107	LSFO mmbtu, budget	3,419,100
57		- Off Peak (excess)	7.81	108	LSFO Cost, ¢/mmbtu	1,720.47
58	Kawaiiloa Wind		23.77	109	LSFO ECRC Fossil Cost	\$58,824,583
59	Kahuku Wind		22.30	110	LSFO Base ECRC Recovery Target	\$81,317,988
60	Waianae Solar PV		14.50	111	LSFO differential	-\$22,493,405
61	As Available I		23.91	Month Diesel		
62	FIT		23.73	112	Diesel mmbtu, budget	20,866
63	CBRE PV		15.00	113	Diesel Cost, ¢/mmbtu	1,998.37
64	Kawaiiloa PV		12.73	114	Diesel ECRC Fossil Cost	\$416,978
65	Lanikuhana PV		13.05	115	Diesel Base ECRC Recovery Target	\$558,245
66	Waipio PV		12.18	116	Diesel differential	-\$141,267
67	Na Pua Makani Wind		14.21	117	Total Fossil	-\$22,634,672
67.1	Milliani I Solar		0.00	118	2% of above	-\$452,693
67.2	Waiawa Solar		0.00	118A	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year	-\$994,332
67.3	Unused		0.00	118B	Maximum Annual Cap (bi-directional)	\$2,500,000
67.4	Unused		0.00	118C	Applicable Monthly Fossil Fuel Cost Risk Sharing	-\$452,693
67.5	Unused		0.00	118D	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month	-\$1,447,026
67.6	Unused		0.00	119	Fossil Cost Risk Sharing before taxes	-\$452,693
PURCHASED ENERGY KWH MIX - FOSSIL - %			0.20	120	Revenue Tax Adjustment	1,097,514
68	PAR Hawaii	- On Peak	0.20	121	Fossil Cost Risk Sharing w/revenue tax	-\$496,837
69	PAR Hawaii	- Off Peak	0.14	122	Forecasted Month MWh Sales	566,195
70	IES Downstream		0.04	123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh	0.0878
71	Kalaeloa		55.33	Derivation of Non-Adjustable Component:		
72	Unused			80A	Fuel Handling Exp, \$000	\$7,604.5
73					Final Settlement, HECO-603, p1	
73a	Subtotal Fossil %		55.70	80B	Revenue Tax Adjustment	1,097,514
PURCHASED ENERGY KWH MIX - RENEWABLE - %			7.16	80C	Non-Adj Revenues, \$000	\$8,346.0
74	HRRV	- On Peak	7.16	80D	2017 TY Sales, MWh	6,660,200
75		- Off Peak	2.90		HECO-301, p1	
76	HRRV	- On Peak (excess)	0.00	80E	Non-Adj Revenues, ¢/kWh	0.12531
77		- Off Peak (excess)	2.56	Removed West Oahu		
78	Kawaiiloa Wind		4.34			
79	Kahuku Wind		2.33			
80	Waianae Solar PV		2.35			
81	As Available I		0.75			
82	FIT		2.76			
83	CBRE PV		0.03			
84	Kawaiiloa PV		4.09			
85	Lanikuhana PV		1.15			
86	Waipio PV		3.60			
87	Na Pua Makani Wind		3.38			
87.1	Milliani I Solar		3.56			
87.2	Waiawa Solar		3.32			
87.3	Unused		0.00			
87.4	Unused		0.00			
87.5	Unused		0.00			
87.6	Unused		0.00			
87a	Subtotal Renewable %		44.29			
87b	Total Purchased Energy %		100.00			
87c	Composite Cost of Purchased Energy, Fossil		15.99			
87d	Composite Cost of Purchased Energy, Renewable		14.81			
88	COMPOSITE COST OF PURCHASED ENERGY, ¢/KWH		15.466	Line SYSTEM COMPOSITE		
89	% Input to System kWh Mix		44.15	124	GEN AND PURCHASED ENERGY FACTOR, ¢/kWh (lines 47 + 100)	19.4718
90	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 88 x 89)	6.82824		125	(Future Use) Adjustment, ¢/kWh	0.0000
91	2017 TY Loss Factor	1.0490		126	ECR Reconciliation Adjustment	0.9090
92	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 90 x 91)	7.16282		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)	0.0878
94	Base % Input to System kWh Mix	0.0000		129	Monthly Energy Cost Recovery Factor (lines 124 + 125 + 126 + 127 + 128)	20.594
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)	7.16282				
99	Revenue Tax Adjustment (1 / (1-0.08885))	1.097514				
100	PURCHASED ENERGY FACTOR, ¢/KWH (lines 98 x 99)	7.86130				

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

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, ¢/Mbtu	1,719.17	1,719.17	1,719.17
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	1,719.17	1,720.47	1,720.47
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, ¢/Mbtu	1,913.14	-	1,956.48
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	1,913.14	-	1,956.48
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	2,637.70	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	2,637.70	
	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, \$/bbl	108.50	108.50	108.50
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	108.50	108.58	108.58
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, \$/bbl	110.30	-	111.07
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	110.30	-	111.07
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, \$/bbl	115.96	139.55	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	139.55	
Distributed Generation Fuel Prices Used for Filing, ¢/kWh			29.440

FOAC July 1, 2023

<u>LSFO</u>	BARRELS	MBTU	AMOUNT	AVE \$/MBTU
Per FOAC run	835,524	5,273,115	90,653,963	17.191730
Additional	-	-	-	-
Forecast Amt	835,524	5,273,115	90,653,963	17.191730
	-	6.20	-	ADD'L BBL
	5,273,115	835,524	6.3111	MBTU / BBL
	90,653,963	835,524	108.50	DOLLARS / BBL
<u>WAI AU DIESEL</u>	25,809	148,795	2,846,663	19.131411
	2,846,663	25,809	110.30	DOLLARS / BBL
<u>CIP BIODIESEL</u>	-	-	-	-
	-	-	-	DOLLARS / BBL
<u>CIP DIESEL</u>	45,927	260,731	5,101,146	19.564818
	5,101,146	45,927	111.07	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>	5,068	26,813	707,249	26.37700383
	707,249	5,068	139.55	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)	\$	28.84	\$	26.38	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		204		21,031		20,231	Estimated MBTU Consumption
(B1)		39		4,007		3,531	Estimated fuel consumption barrels
(C) = (A) x (B)		\$5,889		\$554,731		\$404,759	Estimated Distributed Generation Fuel Cost (\$)
(D)		20,000		2,423,858		2,419,316	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>29.440</u>		<u>22.890</u>		<u>16.730</u>	¢/kWh

Hawaiian Electric Company, Inc.
ECA RECONCILIATION ADJUSTMENT
July 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 (July 2023)		566,195
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.909</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	4,539,978	(9,568,433)
June					4,689,033		
July					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 & 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
July 1, 2023	20.594		195.82	232.95

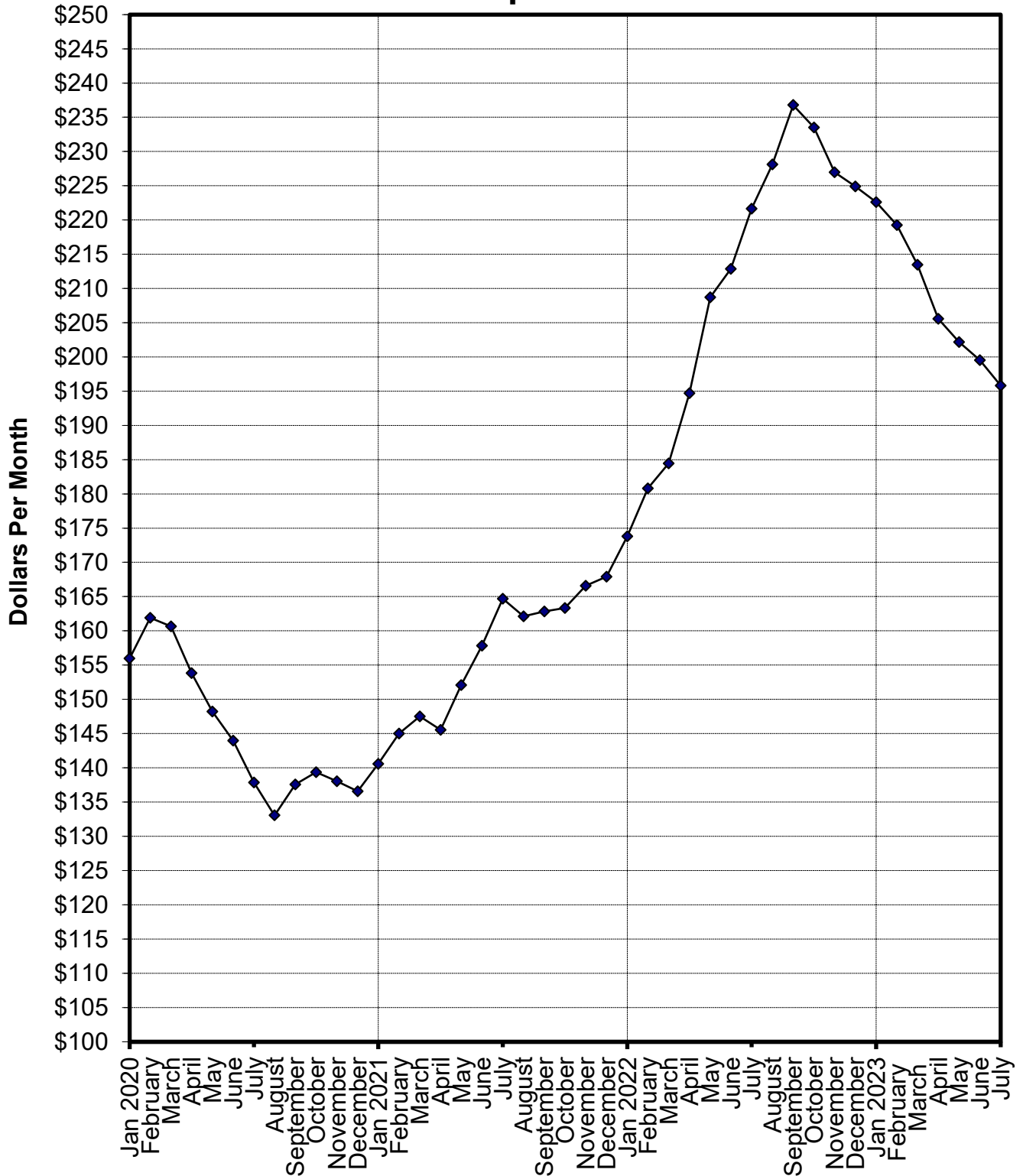
Hawaiian Electric Company, Inc.
RESIDENTIAL SURCHARGE DATA

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
6/1/2022-12/31/2022	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
7/1/2022-6/30/2023	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
11/1/2022-11/30/2022	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
1/1/2023-6/30/2023	GREEN INFRASTRUCTURE FEE	1.23 DOLLARS/MONTH
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
5/1/2023	RESIDENTIAL DSM ADJUSTMENT	0.1299 CENTS/KWH
5/1/2023	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0049 CENTS/KWH
6/1/2023-6/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.3883 CENTS/KWH
6/1/2023	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	17.25% PERCENT OF ALL RATE SCHEDULE CHARGES, EXCLUDING ECRC and RBA
7/1/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.4139 CENTS/KWH
7/1/2023	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
7/1/2023	RESID. PBF SURCHARGE ADJUSTMENT	0.7195 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		
	6/1/2023	7/1/2023	6/1/2023	7/1/2023	Difference
Base Rates	effective date:	01/01/19	01/01/19		
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00
Non-fuel Fuel Energy Charge					
First 350 kWhr per month	¢/kWh	10.6812	10.6812	37.38	37.38
Next 850 kWhr per month	¢/kWh	11.8347	11.8347	17.75	17.75
Customer Charge	\$	11.50	11.50	11.50	11.50
Total Base Charges				66.63	66.63
Purchase Power Adjustment	¢/kWh	1.3883	1.4139	6.94	7.07
RBA Rate Adjustment	% except ECRC	17.25%	17.25%	13.58	13.66
DSM Adjustment	¢/kWh	0.1299	0.1299	0.65	0.65
Demand Response Adjustment Clause	¢/kWh	-0.0049	-0.0049	-0.02	-0.02
Interim Rate Increase (TY 2017)	% on base	0.000%	0.000%	0.00	0.00
Refund of 2011 Interim	% on base	0.000%	0.000%	0.00	0.00
PBF Surcharge	¢/kWh	0.6488	0.7195	3.24	3.60
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0168	0.0168	0.08	0.08
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00
Energy Cost Recovery	¢/kWh	21.437	20.594	107.19	102.97
Green Infrastructure Fee	\$	1.23	1.18	1.23	1.18
Avg Residential Bill at 500 kWh				199.52	195.82

Increase / (Decrease -) -3.70
% Change -1.86%

	Rate		Charge (\$) at 600 kWh		
	6/1/2023	7/1/2023	6/1/2023	7/1/2023	Difference
Base Rates	effective date:	01/01/19	01/01/19		
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00
Non-fuel Fuel Energy Charge					
First 350 kWhr per month	¢/kWh	10.6812	10.6812	37.38	37.38
Next 850 kWhr per month	¢/kWh	11.8347	11.8347	29.59	29.59
Customer Charge	\$	11.50	11.50	11.50	11.50
Total Base Charges				78.47	78.47
Purchase Power Adjustment	¢/kWh	1.3883	1.4139	8.33	8.48
RBA Rate Adjustment	% except ECRC	17.25%	17.25%	16.00	16.09
DSM Adjustment	¢/kWh	0.1299	0.1299	0.78	0.78
Demand Response Adjustment Clause	¢/kWh	-0.0049	-0.0049	-0.03	-0.03
Interim Rate Increase (TY 2017)	% on base	0.000%	0.000%	0.00	0.00
Refund of 2011 Interim	% on base	0.000%	0.000%	0.00	0.00
PBF Surcharge	¢/kWh	0.6488	0.7195	3.89	4.32
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0168	0.0168	0.10	0.10
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00
Energy Cost Recovery	¢/kWh	21.437	20.594	128.62	123.56
Green Infrastructure Fee	\$	1.23	1.18	1.23	1.18
Avg Residential Bill at 600 kWh				237.39	232.95

Increase / (Decrease -) -4.44
% Change -1.87%

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.

From: noreply@salesforce.com on behalf of PUC CDMS <hpuc@notify.hawaii.gov>
Sent: Wednesday, June 28, 2023 10:30 AM
To: Oya, Tyler
Subject: Hawaii PUC CDMS eSERVICES - E-Filing F-290335 FILED Confirmation

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

E-Filing Filed Confirmation

Aloha Tyler Oya,

Your electronic filing to the Hawaii Public Utilities Commission has been **FILED**. You will receive an email when the filing is public.

Please note that filings submitted after 4:30 p.m. Hawaii Standard Time will be deemed "FILED" the next business day. 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.

E-Filing Confirmation Number: F-290335
Account: Hawaiian Electric Company, Inc.
Date and Time Submitted: 6/28/2023, 10:30 AM
Case or Docket Reference Number: PC-181520
Case or Docket Number (if applicable): Pending
Filing Category/Type: Reports / Energy Cost Adjustment Factors

To view and manage your account, log in to the Hawaii Public Utilities Commission's eServices portal.

This email address is not monitored. Should you have any questions, you may visit our website at <https://puc.hawaii.gov>, email us at puc@hawaii.gov, or call us at 808-586-2020, Monday-Friday 7:45 a.m. - 4:30 p.m.