



March 29, 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 April 2023

Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") April 2023 Energy Cost Recovery Factor is 23.208 cents per kilowatt-hour ("kWh"), a decrease of 1.573 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$205.58, a decrease of \$7.90 compared to rates effective March 1, 2023. The decrease in the residential typical bill is due to a decrease in the Energy Cost Recovery Factor (-\$7.87) and a decrease in the Purchase Power Adjustment Clause rate (-\$0.03).

The Company's fuel composite cost of major energy decreased 156.99 cents per million BTU to 2,063.49 cents per million BTU. The Company's composite cost of minor energy decreased 6.516 cents per kWh to 14.116 cents per kWh. The composite cost of purchased energy decreased 0.786 cents per kWh to 16.613 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 April 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>03/01/23</u>	<u>04/01/23</u>	
Composite Cost Of Major Energy, ¢/mmbtu	2,220.48	2,063.49	(156.99)
Composite Cost Of Minor Energy, ¢/kwh	20.631	14.116	(6.516)
Composite Cost Of Purchased Energy, ¢/kWh	17.399	16.613	(0.786)
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	24.781	23.208	(1.573)
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	24.781	23.208	(1.573)
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	213.48	205.58	(7.90)
600 kWh Consumption, \$/bill	254.44	244.97	(9.47)

Supersedes Sheet Effective:

March 1, 2023

Hawaiian Electric Company, Inc.
ENERGY COST RECOVERY FILING

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

Line		
1	Effective Date	- April 1, 2023
2	Supersedes Factor	- March 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	34.56	2.77%	0.9582
4	Kahe		2,063.49	32b CIP-Biodiesel	0.00	0.00%	0.0000
5	Waiau-Steam		2,063.49	32c CT-1 (CIP) ULSD	0.00	0.00%	0.0000
6	(Future Use)		0.00	32d SGS - Biodiesel	28.70	22.85%	6.5572
7	(Future Use)		0.00	32e SGS - ULSD	16.70	22.16%	3.7009
8	(Future Use)		0.00	32f Waiau-Diesel	36.93	7.85%	2.8993
9	Other		0	32g West Loch PV	0.00	44.37%	0.0000
	BTU MIX, %			32h COMPOSITE COST OF MINOR ENERGY, \$/kWh			14.116
10	Honolulu		0.00	33 % Input to System kWh Mix			1.74
11	Kahe		70.58				
12	Waiau-Steam		29.42	34 WTD COMP MINOR ENERGY COST, \$/kWh (Lines 32h x 33)			0.24561
13	(Future Use)		0.00	35 2017 TY Loss Factor			1.0490
14	(Future Use)		0.00	36 WTD COMP MINOR ENERGY COST, \$/kWh (Line 34 x 35)			0.25764
15	(Future Use)		0.00	37 BASE MINOR ENERGY COMP COST			0.0000
16	Other		0.00	38 Base % Input to System kWh Mix			0.0000
			100.00	39 WTD BASE MINOR ENERGY COST, \$/kWh (Line 37 x 38)			0.00000
17	COMPOSITE COST OF GENERATION, MAJOR ENERGY \$/mmbtu		2,063.49	40 2017 TY Loss Factor			1.0490
18	% Input to system kWh Mix		52.28	41 WTD COMP MINOR ENERGY COST, \$/kWh (Line 39 x 40)			0.00000
	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)				12.01991		
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)				12.01991		
30	Revenue Tax Adjustment (1 / (1-0.08885))				1.097514		
31	MAJOR ENERGY GENERATION FACTOR, \$/KWH (Line 29 x 30)				13.19202		

SUMMARY OF TOTAL GENERATION FACTOR, \$/kWh		
45 MAJOR ENERGY (line 31)		13.19202
46 MINOR ENERGY (line 44)	-	0.28277
47 TOTAL GENERATION FACTOR, \$/KWH (lines 45 + 46)	-	13.47479

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

Line	Effective Date	- April 1, 2023
1		
2	Supercedes Factor	- March 1, 2023

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE - FOSSIL - ¢/KWH		
48	PAR Hawaii	- On Peak	20.919
49	PAR Hawaii	- Off Peak	21.198
50	IES Downstream		0.000
51	Kalaeloa		17.744
52	Unused		
53			
	PURCHASED ENERGY PRICE - RENEWABLE - ¢/KWH		
54	HRRV	- On Peak	20.43
55		- Off Peak	19.84
56	HRRV	- On Peak (excess)	13.01
57		- Off Peak (excess)	7.81
58	Kawaiioa Wind		23.77
59	Kahuku Wind		22.30
60	Waianae Solar PV		14.50
61	As Available I		23.91
62	FIT		23.73
63	CBRE PV		15.00
64	Kawaiioa PV		12.73
65	Lanikuhana PV		13.05
66	Waipio PV		12.18
67	Na Pua Makani Wind		14.21
67.1	Milliani I Solar		0.00
67.2	Waiawa Solar		0.00
67.3	Unused		0.00
67.4	Unused		0.00
67.5	Unused		0.00
67.6	Unused		0.00
	PURCHASED ENERGY KWH MIX - FOSSIL - %		
68	PAR Hawaii	- On Peak	0.22
69	PAR Hawaii	- Off Peak	0.15
70	IES Downstream		0.04
71	Kalaeloa		52.36
72	Unused		
73			
73a	Subtotal Fossil %		52.77
	PURCHASED ENERGY KWH MIX - RENEWABLE - %		
74	HRRV	- On Peak	8.00
75		- Off Peak	3.21
76	HRRV	- On Peak (excess)	0.00
77		- Off Peak (excess)	2.17
78	Kawaiioa Wind		4.67
79	Kahuku Wind		3.19
80	Waianae Solar PV		2.62
81	As Available I		0.82
82	FIT		2.93
83	CBRE PV		0.02
84	Kawaiioa PV		3.85
85	Lanikuhana PV		1.27
86	Waipio PV		3.95
87	Na Pua Makani Wind		4.04
87.1	Milliani I Solar		3.35
87.2	Waiawa Solar		3.15
87.3	Unused		0.00
87.4	Unused		0.00
87.5	Unused		0.00
87.6	Unused		0.00
87a	Subtotal Renewable %		47.23
87b	Total Purchased Energy %		100.00
87c	Composite Cost of Purchased Energy, Fossil		17.75
87d	Composite Cost of Purchased Energy, Renewable		15.34
88	COMPOSITE COST OF PURCHASED ENERGY, ¢/KWH		16.613
89	% Input to System kWh Mix		45.98
90	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 88 x 89)		7.63866
91	2017 TY Loss Factor		1.0490
92	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 90 x 91)		8.01295
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)		8.01295
99	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514
100	PURCHASED ENERGY FACTOR, ¢/KWH (lines 98 x 99)		8.79433

Calculation of Monthly Fossil Fuel Cost Risk Sharing Component		
Baseline LSFO		
101	LSFO \$, baseline month	\$86,713,031
102	LSFO mmbtu, baseline	3,645,940
103	Baseline LSFO, ¢/mmbtu	2378.35
Baseline Diesel		
104	Diesel \$, baseline month	\$7,199,136
105	Diesel mmbtu, baseline	269,088
106	Baseline Diesel, ¢/mmbtu	2,675.39
Month LSFO		
107	LSFO mmbtu, budget	2,926,978
108	LSFO Cost, ¢/mmbtu	2,063.49
109	LSFO ECRC Fossil Cost	\$60,397,906
110	LSFO Base ECRC Recovery Target	\$69,613,647
111	LSFO differential	-\$9,215,741
Month Diesel		
112	Diesel mmbtu, budget	32,013
113	Diesel Cost, ¢/mmbtu	2,118.21
114	Diesel ECRC Fossil Cost	\$678,110
115	Diesel Base ECRC Recovery Target	\$856,483
116	Diesel differential	-\$178,372
117	Total Fossil	-\$9,394,113
118	2% of above	-\$187,882
118A	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year	-\$206,308
118B	Maximum Annual Cap (bi-directional)	\$2,500,000
118C	Applicable Monthly Fossil Fuel Cost Risk Sharing	-\$187,882
118D	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month	-\$394,190
119	Fossil Cost Risk Sharing before taxes	-\$187,882
120	Revenue Tax Adjustment	1,097,514
121	Fossil Cost Risk Sharing w/revenue tax	-\$206,203
122	Forecasted Month MWh Sales	495,161
123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh	0.0416
Derivation of Non-Adjustable Component:		
80A	Fuel Handling Exp, \$000	\$7,604.5
	Final Settlement, HECO-603, p1	
80B	Revenue Tax Adjustment	1,097,514
80C	Non-Adj Revenues, \$000	\$8,346.0
80D	2017 TY Sales, MWh	6,660,200
	HECO-301, p1	
80E	Non-Adj Revenues, ¢/kWh	0.12531
Line SYSTEM COMPOSITE		
124	GEN AND PURCHASED ENERGY FACTOR, ¢/kWh (lines 47 + 100)	22.2691
125	(Future Use) Adjustment, ¢/kWh	0.0000
126	ECR Reconciliation Adjustment	0.7720
127	Non-Adjustable Component (line 80E)	0.1253
128	Fossil Fuel Cost Risk Sharing Component (line 123)	0.0416
129	Monthly Energy Cost Recovery Factor (lines 124 + 125 + 126 + 127 + 128)	23.208

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

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, ¢/Mbtu	2,062.19	2,062.19	2,062.19
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	2,062.19	2,063.49	2,063.49
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,220.01	-	2,348.83
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,220.01	-	2,348.83
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	3,312.14	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	3,312.14	
	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, \$/bbl	129.80	129.80	129.80
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	129.80	129.88	129.88
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, \$/bbl	127.47	-	134.67
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	127.47	-	134.67
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, \$/bbl	115.96	175.98	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	175.98	
Distributed Generation Fuel Prices Used for Filing, ¢/kWh			34.560

FOAC April 1, 2023

<u>LSFO</u>	BARRELS	MBTU	AMOUNT	AVE \$/MBTU
Per FOAC run	821,589	5,171,283	106,641,502	20.621867
Additional	-	-	-	-
Forecast Amt	821,589	5,171,283	106,641,502	20.621867
	-	6.20	-	ADD'L BBL
	5,171,283	821,589	6.2942	MBTU / BBL
	106,641,502	821,589	129.80	DOLLARS / BBL
<u>WAI AU DIESEL</u>	32,958	189,249	4,201,356	22.200118
	4,201,356	32,958	127.47	DOLLARS / BBL
<u>CIP BIODIESEL</u>	-	-	-	-
	-	-	-	DOLLARS / BBL
<u>CIP DIESEL</u>	73,934	423,902	9,956,737	23.488284
	9,956,737	73,934	134.67	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>	5,408	28,732	951,649	33.12142663
	951,649	5,408	175.98	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</u> <u>Biodiesel</u>	<u>Schofield</u> <u>Biodiesel</u>	<u>Schofield</u> <u>ULSD</u>			
(A)	\$	33.85	\$	33.12	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		2,573		17,991		16817	Estimated MBTU Consumption
(B1)		490		3,428		2935	Estimated fuel consumption barrels
(C) = (A) x (B)		\$87,095		\$595,902		\$336,453	Estimated Distributed Generation Fuel Cost (\$)
(D)		252,000		2,076,565		2,014,189	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>34.560</u>		<u>28.700</u>		<u>16.700</u>	¢/kWh

Hawaiian Electric Company, Inc.
ECA RECONCILIATION ADJUSTMENT
April 2023

1.	Amount to be collected	\$	10,447,000
2.	Monthly Amount (Line 1 x 1/3)	\$	3,482,333
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	3,821,910
5.	Estimated MWh Sales (April 2023)		495,161
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.772</u></u>

HAWAIIAN ELECTRIC COMPANY, INC.
2023 Cumulative Reconciliation Balance

	(1)		(2)	(3)	(4)	(5)	(6)
<u>Month</u>	<u>YTD FOA Reconciliation</u>	<u>Qtr</u>	<u>FOA Rec Variance</u>	<u>FOA Rec Less Variance</u>	<u>Try to Collect</u>	<u>Actual Collect</u>	<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	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		
April					3,482,333		

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

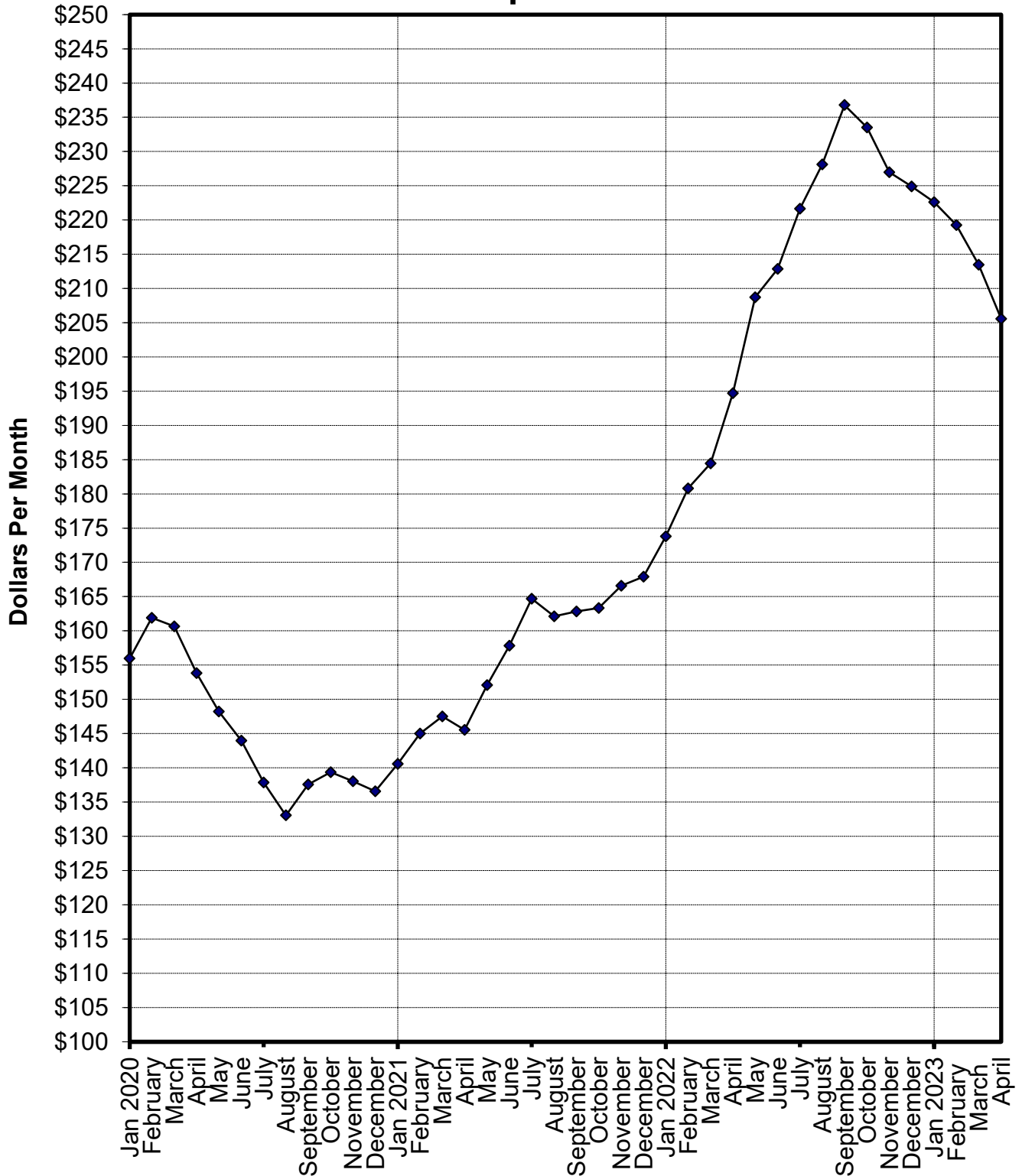
Hawaiian Electric Company, Inc.
RESIDENTIAL SURCHARGE DATA

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	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	GREEN INFRASTRUCTURE FEE	1.23 DOLLARS/MONTH
1/1/2023	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	2.2241 CENTS/KWH
2/1/2023	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0083 CENTS/KWH
2/1/2023	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	PURCHASED POWER ADJUSTMENT CLAUSE	1.3647 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			
	3/1/2023	4/1/2023	3/1/2023	4/1/2023	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	1.3695	1.3647	6.85	6.82	-0.03
RBA Rate Adjustment	¢/kWh	2.2241	2.2241	11.12	11.12	0.00
DSM Adjustment	¢/kWh	0.0921	0.0921	0.46	0.46	0.00
Demand Response Adjustment Clause	¢/kWh	-0.0083	-0.0083	-0.04	-0.04	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	24.781	23.208	123.91	116.04	-7.87
Green Infrastructure Fee	\$	1.23	1.23	1.23	1.23	0.00
Avg Residential Bill at 500 kWh				213.48	205.58	

Increase / (Decrease -)	-7.90
% Change	-3.70%

	Rate		Charge (\$) at 600 kWh			
	3/1/2023	4/1/2023	3/1/2023	4/1/2023	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	1.3695	1.3647	8.22	8.19	-0.03
RBA Rate Adjustment	¢/kWh	2.2241	2.2241	13.34	13.34	0.00
DSM Adjustment	¢/kWh	0.0921	0.0921	0.55	0.55	0.00
Demand Response Adjustment Clause	¢/kWh	-0.0083	-0.0083	-0.05	-0.05	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	24.781	23.208	148.69	139.25	-9.44
Green Infrastructure Fee	\$	1.23	1.23	1.23	1.23	0.00
Avg Residential Bill at 600 kWh				254.44	244.97	

Increase / (Decrease -)	-9.47
% Change	-3.72%

From: puc@hawaii.gov
Sent: Wednesday, March 29, 2023 10:35 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 2023 Mar 29 AM 10:32. 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 TYLE23103254708. 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.