



June 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 July 2022

Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") July 2022 Energy Cost Recovery Factor is 25.791 cents per kilowatt-hour ("kWh"), an increase of 1.710 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$221.66, an increase of \$8.80 compared to rates effective June 1, 2022. The increase in the residential typical bill is due to an increase in the Energy Cost Recovery Factor (+\$8.55), and an increase in the Purchase Power Adjustment Clause rate (+\$0.32), which are partially offset by a decrease in the Green Infrastructure Fee (-\$0.07).

The Company's fuel composite cost of major energy increased 169.58 cents per million BTU to 2,605.04 cents per million BTU. The Company's composite cost of minor energy decreased 0.919 cents per kWh to 21.229 cents per kWh. The composite cost of purchased energy increased 1.199 cents per kWh to 16.489 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, 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>06/01/22</u>	<u>07/01/22</u>	
Composite Cost Of Major Energy, ¢/mmbtu	2,435.46	2,605.04	169.58
Composite Cost Of Minor Energy, ¢/kwh	22.148	21.229	(0.919)
Composite Cost Of Purchased Energy, ¢/kWh	15.290	16.489	1.199
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	24.081	25.791	1.710
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	24.081	25.791	1.710
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	212.86	221.66	8.80
600 kWh Consumption, \$/bill	253.68	264.25	10.57

Supersedes Sheet Effective:

June 1, 2022

Hawaiian Electric Company, Inc.  
ENERGY COST RECOVERY FILING

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

Line		
1	Effective Date	- July 1, 2022
2	Supercedes Factor	- June 1, 2022

GENERATION COMPONENT

<u>MAJOR ENERGY COMPONENT</u>				<u>MINOR ENERGY COMPONENT</u>			
				Gen Cost	Percent of	Weighted Gen	
				<u>\$/KWH</u>	<u>Minor Energy</u>	<u>Cost \$/KWH</u>	
				<u>Fuel Type</u>			
3	FUEL PRICES, \$/mmbtu			32a Airport DG	34.50	3.87%	1.3364
4	Honolulu	0.00		32b CIP-Biodiesel	0.00	0.00%	0.0000
5	Kahe	2,605.04		32c CT-1 (CIP) ULSD	187.83	1.52%	2.8515
6	Waiau-Steam	2,605.04		32d SGS - Biodiesel	30.75	32.71%	10.0568
7	(Future Use)	0.00		32e SGS - ULSD	17.89	0.12%	0.0216
8	(Future Use)	0.00		32f Waiau-Diesel	57.33	12.15%	6.9627
9	Other	0		32g West Loch PV	0.00	49.64%	0.0000
				32h COMPOSITE COST OF MINOR ENERGY, \$/kWh			21.229
10	BTU MIX, %			33 % Input to System kWh Mix			1.15
11	Honolulu	0.00					
12	Kahe	73.87		34 WTD COMP MINOR ENERGY COST, \$/kWh (Lines 32h x 33)			0.24413
13	Waiau-Steam	26.13		35 2017 TY Loss Factor			1.0490
14	(Future Use)	0.00		36 WTD COMP MINOR ENERGY COST, \$/kWh (Line 34 x 35)			0.25609
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
17	COMPOSITE COST OF GENERATION, MAJOR ENERGY \$/mmbtu	2,605.04		39 WTD BASE MINOR ENERGY COST, \$/kWh (Line 37 x 38)			0.00000
18	% Input to system kWh Mix	43.09		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)			0.256092
				43 Revenue Tax Adjustment (1 / (1-0.08885))			1.097514
				44 MINOR ENERGY FACTOR, \$/kWh (Line 42 x 43)			0.28106
19	Fuel Type	Eff Factor	Percent of				
		mmbtu/kWh	Centri 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)			12.50703			
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)	12.50703					
30	Revenue Tax Adjustment (1 / (1-0.08885))	1.097514					
31	MAJOR ENERGY GENERATION FACTOR, \$/KWH (Line 29 x 30)	13.72664					

<u>SUMMARY OF TOTAL GENERATION FACTOR, \$/kWh</u>	
45 MAJOR ENERGY (line 31)	13.72664
46 MINOR ENERGY (line 44)	- 0.28106
47 TOTAL GENERATION FACTOR, \$/KWH (lines 45 + 46)	- 14.00770

Hawaiian Electric Company, Inc.  
ENERGY COST RECOVERY FILING

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

Line

1 Effective Date - July 1, 2022  
2 Supercedes Factor - June 1, 2022

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE - FOSSIL - ¢/KWH		
48	PAR Hawaii	- On Peak	15.397
49	PAR Hawaii	- Off Peak	25.936
50	IES Downstream		0.000
51	Kalaeloa		29.981
52	AES-HI		3.503
53			
	PURCHASED ENERGY PRICE - RENEWABLE - ¢/KWH		
54	HRRV	- On Peak	18.97
55		- Off Peak	18.42
56	HRRV	- On Peak (excess)	12.08
57		- Off Peak (excess)	7.25
58	Kawaiiloa Wind		23.42
59	Kahuku Wind		21.97
60	Waianae Solar PV		14.50
61	As Available I		23.52
62	FIT		23.74
63	CBRE PV		15.00
64	Kawaiiloa PV		12.73
65	Lanikuhana PV		13.05
66	Waipio PV		12.18
67	Na Pua Makani Wind		14.06
	PURCHASED ENERGY KWH MIX - FOSSIL - %		
68	PAR Hawaii	- On Peak	0.16
69	PAR Hawaii	- Off Peak	0.12
70	IES Downstream		0.03
71	Kalaeloa		32.49
72	AES-HI		35.87
73			
73a	Subtotal Fossil %		68.67
	PURCHASED ENERGY KWH MIX - RENEWABLE - %		
74	HRRV	- On Peak	5.75
75		- Off Peak	2.39
76	HRRV	- On Peak (excess)	0.00
77		- Off Peak (excess)	2.04
78	Kawaiiloa Wind		4.66
79	Kahuku Wind		2.43
80	Waianae Solar PV		1.74
81	As Available I		0.61
82	FIT		2.06
83	CBRE PV		0.00
84	Kawaiiloa PV		2.78
85	Lanikuhana PV		1.05
86	Waipio PV		3.29
87	Na Pua Makani Wind		2.52
87a	Subtotal Renewable %		31.33
87b	Total Purchased Energy %		100.00
87c	Composite Cost of Purchased Energy, Fossil		16.10
87d	Composite Cost of Purchased Energy, Renewable		17.35
88	COMPOSITE COST OF PURCHASED ENERGY, ¢/KWH		16.489
89	% Input to System kWh Mix		55.76
90	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 88 x 89)		9.19427
91	2017 TY Loss Factor		1.0490
92	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 90 x 91)		9.64479
93	BASE PURCHASED ENERGY COMPOSITE COST, ¢/KWH		0.000
94	Base % Input to System kWh Mix		0.0000
95	WEIGHTED BASE PURCHASED ENERGY COST, ¢/KWH SALES (lines 93 x 94)		0.00000
96	2017 TY Loss Factor		1.049
97	WTD CMP PURCH ENRGY COST, ¢/KWH sales (lines 95 x 96)		0.00000
98	Cost Less Base (Line 92 - 97)		9.64479
99	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514
100	PURCHASED ENERGY FACTOR, ¢/KWH (lines 98 x 99)		10.58529

Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Component		
	<b>Baseline LSFO</b>		
101	LSFO \$, baseline month		\$49,571,623
102	LSFO mmbtu, baseline		3,000,521
103	Baseline LSFO, ¢/mmbtu		1652.10
	<b>Baseline Diesel</b>		
104	Diesel \$, baseline month		\$6,163,417
105	Diesel mmbtu, baseline		349,008
106	Baseline Diesel, ¢/mmbtu		1,765.98
	<b>Month LSFO</b>		
107	LSFO mmbtu, budget		2,687,756
108	LSFO Cost, ¢/mmbtu		2,605.04
109	LSFO ECRC Fossil Cost		\$70,017,114
110	LSFO Base ECRC Recovery Target		\$44,404,423
111	LSFO differential		\$25,612,690
	<b>Month Diesel</b>		
112	Diesel mmbtu, budget		27,897
113	Diesel Cost, ¢/mmbtu		2,320.24
114	Diesel ECRC Fossil Cost		\$647,269
115	Diesel Base ECRC Recovery Target		\$492,649
116	Diesel differential		\$154,620
117	Total Fossil		\$25,767,310
118	2% of above		\$515,346
118A	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year		\$799,364
118B	Maximum Annual Cap (bi-directional)		\$2,500,000
118C	Applicable Monthly Fossil Fuel Cost Risk Sharing		\$515,346
118D	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month		\$1,314,710
119	Fossil Cost Risk Sharing before taxes		\$515,346
120	Revenue Tax Adjustment		1,097,514
121	Fossil Cost Risk Sharing w/revenue tax		\$565,600
122	Forecasted Month MWh Sales		547,390
123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh		-0.1033
	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
	<b>Line SYSTEM COMPOSITE</b>		
124	GEN AND PURCHASED ENERGY FACTOR, ¢/kWh (lines 47 + 100)		24.5930
125	(Future Use) Adjustment, ¢/kWh		0.0000
126	ECR Reconciliation Adjustment		1.1760
127	Non-Adjustable Component (line 80E)		0.1253
128	Fossil Fuel Cost Risk Sharing Component (line 123)		-0.1033
129	Monthly Energy Cost Recovery Factor (lines 124 + 125 + 126 + 127 + 128)		25.791

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

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, ¢/Mbtu	2,603.74	2,603.74	2,603.74
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	2,603.74	2,605.04	2,605.04
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,203.31	-	2,669.41
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,203.31	-	2,669.41
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	3,551.16	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	3,551.16	
	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, \$/bbl	162.58	162.58	162.58
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	162.58	162.66	162.66
	<u>Waiau</u>	<u>CIP Biodiesel</u>	<u>CIP Diesel</u>
Average Diesel / Biodiesel Oil, \$/bbl	127.86	-	154.24
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	127.86	-	154.24
	<u>SGS ULSD</u>	<u>SGS Biodiesel</u>	
Average Diesel / Biodiesel Oil, \$/bbl	115.96	186.96	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	186.96	
Distributed Generation Fuel Prices Used for Filing, ¢/kWh			34.500

FOAC July 1, 2022

<b><u>LSFO</u></b>	<b>BARRELS</b>	<b>MBTU</b>	<b>AMOUNT</b>	<b>AVE \$/MBTU</b>
Per FOAC run	1,003,685	6,267,237	163,182,664	26.037416
Additional	-	-	-	-
Forecast Amt	1,003,685	6,267,237	163,182,664	26.037416
	-	6.20	-	ADD'L BBL
	6,267,237	1,003,685	6.2442	MBTU / BBL
	163,182,664	1,003,685	162.58	DOLLARS / BBL
<b><u>WAI AU DIESEL</u></b>	35,023	203,238	4,477,964	22.033052
	4,477,964	35,023	127.86	DOLLARS / BBL
<b><u>CIP BIODIESEL</u></b>	-	-	-	-
	-	-	-	DOLLARS / BBL
<b><u>CIP DIESEL</u></b>	71,279	411,852	10,994,004	26.694068
	10,994,004	71,279	154.24	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>	6,759	35,584	1,263,640	35.51159822
	1,263,640	6,759	186.96	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)	\$	33.79	\$	35.51	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		2602		18,635		71	Estimated MBTU Consumption
(B1)		496		3,551		12	Estimated fuel consumption barrels
(C) = (A) x (B)		\$87,935		\$661,753		\$1,424	Estimated Distributed Generation Fuel Cost (\$)
(D)		254,917		2,152,279		7,962	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>34.500</u>		<u>30.750</u>		<u>17.890</u>	¢/kWh

**Hawaiian Electric Company, Inc.**  
**ECA RECONCILIATION ADJUSTMENT**  
**July 2022**

1.	Amount to be collected	\$	17,597,500
2.	Monthly Amount (Line 1 x 1/3)	\$	5,865,833
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	6,437,835
5.	Estimated MWh Sales (July 2022)		547,390
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>1.176</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		
July					5,865,833		

**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	

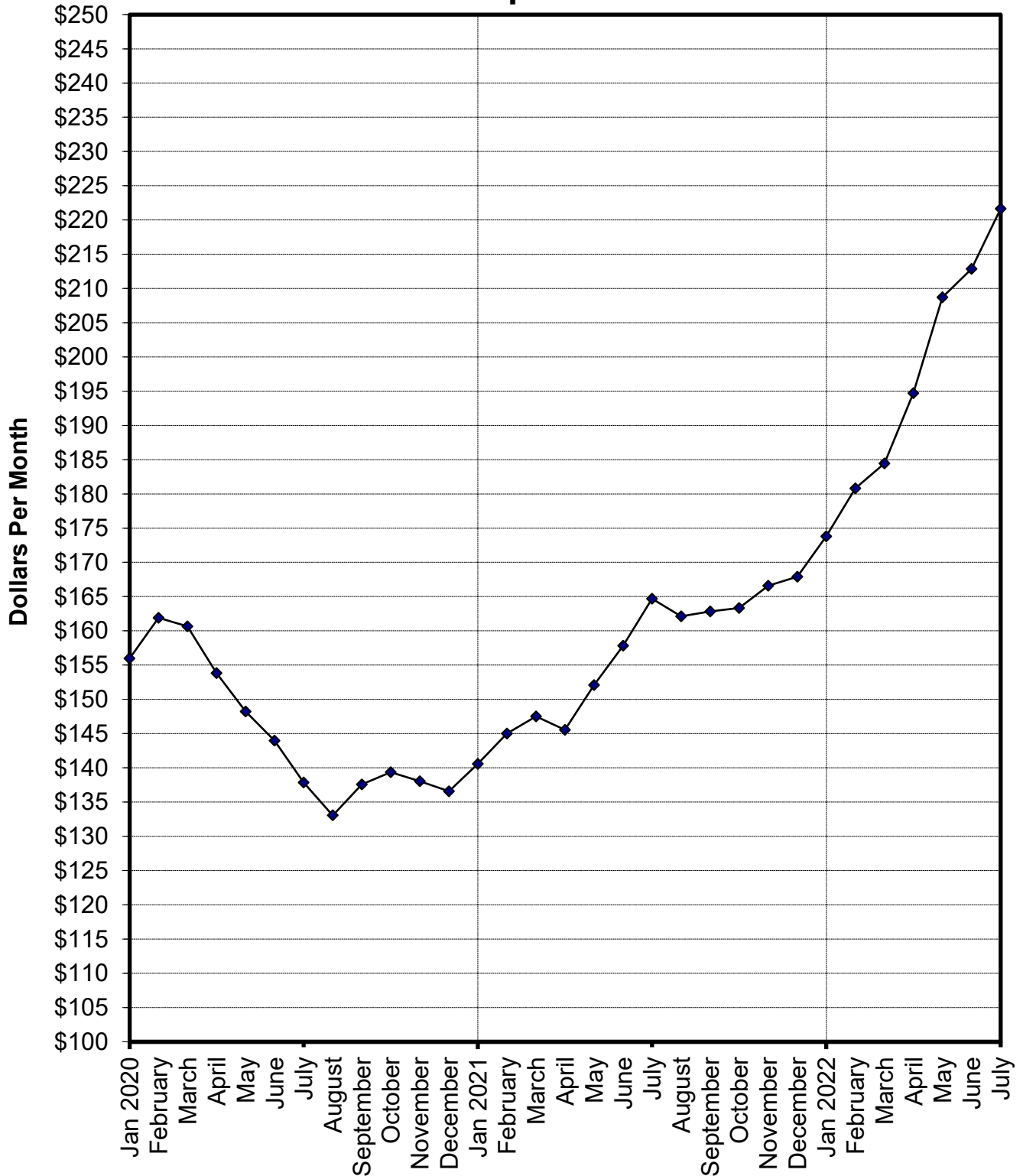
**Hawaiian Electric Company, Inc.  
RESIDENTIAL SURCHARGE DATA**

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
<b>8/1/2021</b>	<b>RENEWABLE ENERGY INFRASTRUCTURE COST</b>	<b>0.0158 CENTS/KWH</b>
	<b>RECOVERY PROVISION</b>	
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
<b>5/1/2022</b>	<b>RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)</b>	<b>-0.0045 CENTS/KWH</b>
<b>5/1/2022</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>-0.2047 CENTS/KWH</b>
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
<b>6/1/2022</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>1.9085 CENTS/KWH</b>
<b>7/1/2022</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.18 DOLLARS/MONTH</b>
<b>7/1/2022</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.6139 CENTS/KWH</b>
<b>7/1/2022</b>	<b>RESID. PBF SURCHARGE ADJUSTMENT</b>	<b>0.6488 CENTS/KWH</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			
	6/1/2022	7/1/2022	6/1/2022	7/1/2022	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				66.63	66.63	0.00
<b>Purchase Power Adjustment</b>	¢/kWh	2.5505	2.6139	12.75	13.07	0.32
<b>RBA Rate Adjustment</b>	¢/kWh	1.9085	1.9085	9.54	9.54	0.00
<b>DSM Adjustment</b>	¢/kWh	-0.2047	-0.2047	-1.02	-1.02	0.00
<b>Demand Response Adjustment Clause</b>	¢/kWh	-0.0045	-0.0045	-0.02	-0.02	0.00
<b>Interim Rate Increase (TY 2017)</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>Refund of 2011 Interim</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>PBF Surcharge</b>	¢/kWh	0.6478	0.6488	3.24	3.24	0.00
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0158	0.0158	0.08	0.08	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	24.081	25.791	120.41	128.96	8.55
<b>Green Infrastructure Fee</b>	\$	1.25	1.18	1.25	1.18	-0.07
<b>Avg Residential Bill at 500 kWh</b>				212.86	221.66	

Increase / (Decrease -)	8.80
% Change	4.13%

	Rate		Charge (\$) at 600 kWh			
	6/1/2022	7/1/2022	6/1/2022	7/1/2022	Difference	
<b>Base Rates</b>	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
<b>Total Base Charges</b>				78.47	78.47	0.00
<b>Purchase Power Adjustment</b>	¢/kWh	2.5505	2.6139	15.30	15.68	0.38
<b>RBA Rate Adjustment</b>	¢/kWh	1.9085	1.9085	11.45	11.45	0.00
<b>DSM Adjustment</b>	¢/kWh	-0.2047	-0.2047	-1.23	-1.23	0.00
<b>Demand Response Adjustment Clause</b>	¢/kWh	-0.0045	-0.0045	-0.03	-0.03	0.00
<b>Interim Rate Increase (TY 2017)</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>Refund of 2011 Interim</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>PBF Surcharge</b>	¢/kWh	0.6478	0.6488	3.89	3.89	0.00
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0158	0.0158	0.09	0.09	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	24.081	25.791	144.49	154.75	10.26
<b>Green Infrastructure Fee</b>	\$	1.25	1.18	1.25	1.18	-0.07
<b>Avg Residential Bill at 600 kWh</b>				253.68	264.25	

Increase / (Decrease -)	10.57
% Change	4.17%

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