



August 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 September 2023

Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") September 2023 Energy Cost Recovery Factor is 22.378 cents per kilowatt-hour ("kWh"), an increase of 1.334 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$207.12, an increase of \$6.68 compared to rates effective August 1, 2023. The increase in the residential typical bill is due to an increase in the Energy Cost Recovery Factor (+\$6.67) and an increase in the Purchase Power Adjustment Clause rate (+\$0.01).

The Company's fuel composite cost of major energy increased 69.81 cents per million BTU to 1,791.14 cents per million BTU. The Company's composite cost of minor energy increased 0.510 cents per kWh to 10.875 cents per kWh. The composite cost of purchased energy increased 2.001 cents per kWh to 17.898 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 September 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>08/01/23</u>	<u>09/01/23</u>	
Composite Cost Of Major Energy, ¢/mmbtu	1,721.33	1,791.14	69.81
Composite Cost Of Minor Energy, ¢/kwh	10.365	10.875	0.510
Composite Cost Of Purchased Energy, ¢/kWh	15.897	17.898	2.001
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	21.044	22.378	1.334
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	21.044	22.378	1.334
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	200.44	207.12	6.68
600 kWh Consumption, \$/bill	238.50	246.54	8.03

Supersedes Sheet Effective:

August 1, 2023

Hawaiian Electric Company, Inc.  
ENERGY COST RECOVERY FILING

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

Line		
1	Effective Date	- September 1, 2023
2	Supercedes Factor	- August 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	29.49	0.58%	0.1707
4	Kahe		1,791.14	32b CIP-Biodiesel	0.00	0.00%	0.0000
5	Waiiau-Steam		1,791.14	32c CT-1 (CIP) ULSD	0.00	0.00%	0.0000
6	(Future Use)		0.00	32d SGS - Biodiesel	23.75	26.08%	6.1940
7	(Future Use)		0.00	32e SGS - ULSD	16.73	25.97%	4.3440
8	(Future Use)		0.00	32f Waiiau-Diesel	115.92	0.14%	0.1665
9	Other		0	32g West Loch PV	0.00	47.23%	0.0000
	BTU MIX, %			32h COMPOSITE COST OF MINOR ENERGY, \$/kWh			10.875
10	Honolulu		0.00	33 % Input to System kWh Mix			1.45
11	Kahe		75.46				
12	Waiiau-Steam		24.54	34 WTD COMP MINOR ENERGY COST, \$/kWh (Lines 32h x 33)			0.15769
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)			0.16542
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		1,791.14	40 2017 TY Loss Factor			1.0490
18	% Input to system kWh Mix		55.51	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)				11.07807		
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)		11.07807				
30	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514				
31	MAJOR ENERGY GENERATION FACTOR, \$/KWH (Line 29 x 30)		12.15834				

SUMMARY OF TOTAL GENERATION FACTOR, \$/kWh		
45 MAJOR ENERGY (line 31)		12.15834
46 MINOR ENERGY (line 44)	-	0.18155
47 TOTAL GENERATION FACTOR, \$/KWH (lines 45 + 46)	-	12.33989



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

	Honolulu	Kahe	Waiau
Average Low Sulfur Fuel Oil, ¢/Mbtu	1,789.84	1,789.84	1,789.84
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	1,789.84	1,791.14	1,791.14
	Waiau	CIP Biodiesel	CIP Diesel
Average Diesel / Biodiesel Oil, ¢/Mbtu	1,928.14	-	1,943.81
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	1,928.14	-	1,943.81
	SGS ULSD	SGS Biodiesel	
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	2,736.61	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	2,736.61	
	Honolulu	Kahe	Waiau
Average Low Sulfur Fuel Oil, \$/bbl	113.36	113.36	113.36
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	113.36	113.44	113.44
	Waiau	CIP Biodiesel	CIP Diesel
Average Diesel / Biodiesel Oil, \$/bbl	111.25	-	110.34
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	111.25	-	110.34
	SGS ULSD	SGS Biodiesel	
Average Diesel / Biodiesel Oil, \$/bbl	115.96	145.28	
Thruput Charges, ¢/Mbtu	-	-	
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	145.28	
Distributed Generation Fuel Prices Used for Filing, ¢/kWh			29.490

**FOAC September 1, 2023**

<b><u>LSFO</u></b>	<b>BARRELS</b>	<b>MBTU</b>	<b>AMOUNT</b>	<b>AVE \$/MBTU</b>
Per FOAC run	827,368	5,240,014	93,787,960	17.898416
Additional	-	-	-	-
<b>Forecast Amt</b>	<b>827,368</b>	<b>5,240,014</b>	<b>93,787,960</b>	<b>17.898416</b>
	-	6.20	-	ADD'L BBL
	5,240,014	827,368	6.3334	MBTU / BBL
	93,787,960	827,368	113.36	DOLLARS / BBL
<b><u>WAI AU DIESEL</u></b>	28,247	162,972	3,142,325	19.281413
	3,142,325	28,247	111.25	DOLLARS / BBL
<b><u>CIP BIODIESEL</u></b>	-	-	-	-
	-	-	-	DOLLARS / BBL
<b><u>CIP DIESEL</u></b>	49,475	280,848	5,459,161	19.438147
	5,459,161	49,475	110.34	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>	5,562	29,524	807,952	27.36611569
	807,952	5,562	145.28	DOLLARS / BBL
<b>FUEL ADDITIVE</b>				0.013019
Additional				
<b>Forecast Amt</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.013019</b>
<b>\$ / BBL =</b>	<b>-</b>	<b>-</b>	<b>0.08</b>	<b>DOLLARS / BBL</b>
<b>HONOLULU TRUCKING COST</b>				
Per FOAC run	-	-	-	-
Additional				
<b>Forecast Amt</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>\$ / BBL =</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>DOLLARS / BBL</b>

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)	\$	28.88	\$	27.37	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		523		20,022		19,212	Estimated MBTU Consumption
(B1)		100		3,815		3,353	Estimated fuel consumption barrels
(C) = (A) x (B)		\$15,097		\$547,936		\$384,377	Estimated Distributed Generation Fuel Cost (\$)
(D)		51,200		2,307,222		2,297,072	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>29.490</u>		<u>23.750</u>		<u>16.730</u>	¢/kWh

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

1.	Amount to be collected	\$	14,867,100
2.	Monthly Amount (Line 1 x 1/3)	\$	4,955,700
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	5,438,951
5.	Estimated MWh Sales (September 2023)		564,395
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.964</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	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	4,428,373	(5,140,060)
July					4,689,033	4,428,367	(711,693)
August	(14,867,100)	(2)	(451,033)	(14,416,067)	4,955,700		
September					4,955,700		

**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 reconciliator 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
July 1, 2023	20.594		195.82	232.95
August 1, 2023	21.044		200.44	238.50
September 1, 2023	22.378		207.12	246.54

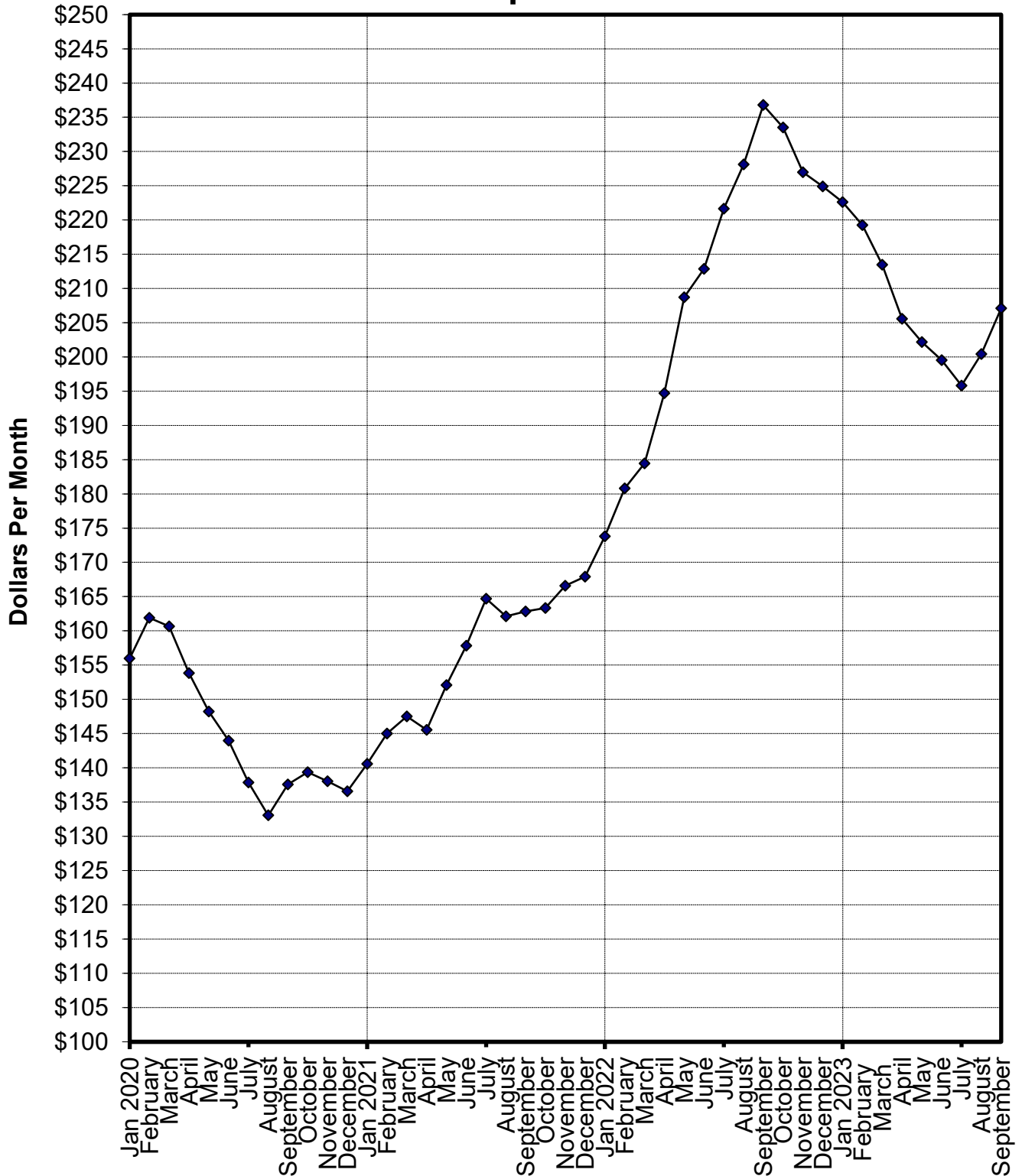
**Hawaiian Electric Company, Inc.**  
**RESIDENTIAL SURCHARGE DATA**

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
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
8/1/2022-7/31/2023	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
5/1/2023-7/31/2023	RESIDENTIAL DSM ADJUSTMENT	0.1299 CENTS/KWH
5/1/2023-7/31/2023	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0049 CENTS/KWH
6/1/2023-6/30/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.3883 CENTS/KWH
<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>
7/1/2023-7/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.4139 CENTS/KWH
<b>7/1/2023</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.18 DOLLARS/MONTH</b>
<b>7/1/2023</b>	<b>RESID. PBF SURCHARGE ADJUSTMENT</b>	<b>0.7195 CENTS/KWH</b>
<b>8/1/2023</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>0.2551 CENTS/KWH</b>
<b>8/1/2023</b>	<b>RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)</b>	<b>-0.0055 CENTS/KWH</b>
8/1/2023-8/31/2023	PURCHASED POWER ADJUSTMENT CLAUSE	1.6938 CENTS/KWH
<b>8/1/2022</b>	<b>RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION</b>	<b>0.0163 CENTS/KWH</b>
<b>9/1/2023</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>1.6966 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		
	8/1/2023	9/1/2023	8/1/2023	9/1/2023	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 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
<b>Total Base Charges</b>				66.63	66.63
<b>Purchase Power Adjustment</b>	¢/kWh	1.6938	1.6966	8.47	8.48
<b>RBA Rate Adjustment</b>	% except ECRC	17.25%	17.25%	14.01	14.01
<b>DSM Adjustment</b>	¢/kWh	0.2551	0.2551	1.28	1.28
<b>Demand Response Adjustment Clause</b>	¢/kWh	-0.0055	-0.0055	-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	0.7195	0.7195	3.60	3.60
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0163	0.0163	0.08	0.08
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	21.044	22.378	105.22	111.89
<b>Green Infrastructure Fee</b>	\$	1.18	1.18	1.18	1.18
<b>Avg Residential Bill at 500 kWh</b>			200.44	207.12	

Increase / (Decrease -) 6.68  
% Change 3.33%

	Rate		Charge (\$) at 600 kWh		
	8/1/2023	9/1/2023	8/1/2023	9/1/2023	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 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
<b>Total Base Charges</b>				78.47	78.47
<b>Purchase Power Adjustment</b>	¢/kWh	1.6938	1.6966	10.16	10.18
<b>RBA Rate Adjustment</b>	% except ECRC	17.25%	17.25%	16.51	16.52
<b>DSM Adjustment</b>	¢/kWh	0.2551	0.2551	1.53	1.53
<b>Demand Response Adjustment Clause</b>	¢/kWh	-0.0055	-0.0055	-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	0.7195	0.7195	4.32	4.32
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0163	0.0163	0.10	0.10
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	21.044	22.378	126.26	134.27
<b>Green Infrastructure Fee</b>	\$	1.18	1.18	1.18	1.18
<b>Avg Residential Bill at 600 kWh</b>			238.50	246.54	

Increase / (Decrease -) 8.03  
% Change 3.37%

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:** noreply@salesforce.com on behalf of PUC CDMS <hpuc@notify.hawaii.gov>  
**Sent:** Tuesday, August 29, 2023 12:32 PM  
**To:** Oya, Tyler  
**Subject:** Hawaii PUC CDMS eSERVICES - E-Filing F-294330 FILED Confirmation

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## 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-294330

**Account:** Hawaiian Electric Company, Inc.

**Date and Time Submitted:** 8/29/2023, 12:31 PM

**Case or Docket Reference Number:**

**Case or Docket Number (if applicable):** Pending

**Filing Category/Type:** Reports / Energy Cost Adjustment Factors

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