

December 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: Maui Electric Energy Cost Recovery Factor for January 2023

Maui Electric Company, Limited's ("Maui Electric" or "Company") January 2023 Energy Cost Recovery factor for our Maui Division is 25.334 cents per kilowatt-hour ("kWh"), an increase of 1.215 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$215.82, an increase of \$7.57 compared to rates effective December 1, 2022. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery factor (+\$6.07), increase in the RBA Rate Adjustment (+\$1.43), increase in the Green Infrastructure Fee (+\$0.05) and increase in the Purchase Power Adjustment (+\$0.02).

The Company's Maui Division fuel composite cost of generation, central station and other decreased 193.280 cents per million BTU to 2,161.71 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy increased 7.712 cents per kWh to 20.146 cents per kWh.

The Energy Cost Recovery factor for our Lāna'i Division for January 2023 is 36.114 cents per kWh, a decrease of 2.232 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$220.41, a decrease of \$7.72 compared to rates effective December 1, 2022. The decrease in the typical residential bill is due to the decrease in the Energy Cost Recovery factor (-\$8.92), partially offset by an increase in the RBA Rate Adjustment (+\$1.15) and increase in the Green Infrastructure Fee (+\$0.05).

The Company's Lāna'i Division fuel composite cost of generation, central station and other decreased 187.63 cents per million BTU to 3,114.12 cents per million BTU. The composite cost DG energy is 0.00 cents per kWh. The composite cost of purchased energy is 30.00 cents per kWh.

The Energy Cost Recovery factor for our Moloka'i Division for January 2023 is 32.969 cents per kWh, a decrease of 0.347 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$214.98, a decrease of \$0.18 compared to rates effective December 1, 2022. The decrease in the typical residential bill is due to the decrease in the Energy Cost Recovery factor (-\$1.38), partially offset by an increase in the RBA Rate Adjustment (+\$1.15) and increase in the Green Infrastructure Fee (+\$0.05).

The Honorable Chair and Members of the Hawai'i Public Utilities Commission December 28, 2022 Page 2

The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 27.29 cents per million BTU to 2,745.38 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy is 21.80 cents per kWh.

The attached sheets set forth the fuel adjustment in cents per kWh for each rate schedule that is applicable for pro rata use beginning January 1, 2023.

Sincerely,

/s/ Dean K. Matsuura Dean K. Matsuura Director, Regulatory Rate Proceedings Hawaiian Electric Company, Inc.

Attachments

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cc: Division of Consumer Advocacy

## MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION

# ENERGY COST RECOVERY FACTOR

	EFFECTIVE DATES			
	<u>12/01/2022</u>	<u>1/01/2023</u>	<u>Change</u>	
COMPOSITE COSTS			( <b>)</b>	
Generation, Central Station & Other, ¢/mbtu	2,772.67	•	(27.29)	
DG Energy, ¢/kWh	0.00	0.00	0.00	
Purchased Energy, ¢/kWh	21.80	21.80	0.00	
Residential Schedule "R"				
Energy Cost Recovery, ¢/kWh	33.316	32.969	(0.347)	
			( )	
<u>Others - "G,J,P,F"</u>				
Energy Cost Recovery, ¢/kWh	33.316	32.969	(0.347)	
Residential Customer with				
400 KWH Consumption, \$/Bill	215.16	214.98	(0.18)	
500 KWH Consumption, \$/Bill	267.44	267.19	(0.25)	
			-	

Supersedes Sheet Effective:	12/01/2022
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#### MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION ENERGY COST RECOVERY (ECR) FILING

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

Line

1	Effective Date	January 1, 2023
2	Supercedes Factors	December 1, 2022

### **GENERATION COMPONENT**

	CENTRAL STATION		
	FUEL PRICES, ¢/mmbtu		
3	Industrial	0.00	
4	Diesel	2,745.38	
5	Other	0.00	
~	BTU MIX, % Industrial	0.00	DG ENERGY COMPONENT 23 COMPOSITE COST OF DG
-	Diesel	100.00	ENERGY, ¢/kWh 0.000
-	Other	0.00	24 % Input to System kWh Mix 0.00
0	Other	100.00	24 /8 input to System kwiri Mix 0.00
		100.00	25 WEIGHTED COMPOSITE DG ENERGY COST.
9	COMPOSITE COST OF GENERATION,		¢/kWh (Lines 23 x 24) 0.00000
	CENTRAL STATION + OTHER ¢/mmbtu	2,745.38	
	(Lines (3 x 6) + (4 x 7) + (5 x 8))	,	
10	% Input to System kWh Mix	99.99	26 BASE DG ENERGY COMP COST 0.000
			27 Base % Input to System kWh Mix 0.00
	EFFICIENCY FACTOR, mmbtu/kWh		28 WEIGHTED BASE DG ENERGY COST,
	(A) (B) (C)	(D)	¢/kWh (Line 26 x 27) 0.00000
	Percent of		
	Eff Factor Centrl Stn -		29 Cost Less Base (Line 25 - 28) 0.00000
	Fuel Type mmbtu/kwh Other	Eff Factor	30 Loss Factor 1.098
11 12		0.000000 0.00	31 Revenue Tax Req Multiplier 1.0975
12		0.00 0.011127 0.00 0.000000	32 DG FACTOR, ¢/kWh (Line 29 x 30 x 31) 0.00000
15	(Lines 11, 12, 13): Col(B) x Col(C) = Col		¢/kWit (Litie 23 x 30 x 31) 0.00000
14	Weighted Efficiency Factor, mmbtu/kWh	(0)	
	[lines $11(D) + 12(D) + 13(D)$ ]	0.011127	
	[		
15	WEIGHTED COMPOSITE CENTRAL STA	TION +	
	OTHER GENERATION COST, ¢/kWh		
	(lines (9 x 10 x 14))	30.54342	
16	BASE CENTRAL STATION + OTHER	0.00	
47	GENERATION COST, ¢/mmbtu Base % Input to Sys kWh Mix	0.00 0.00	
	Efficiency Factor, mmbtu/kwh	0.00	
	WEIGHTED BASE CENTRAL STATION +		
19	GENERATION COST ¢/kWh		
	(lines (16 x 17 x 18))	0.00000	
			SUMMARY OF
20	COST LESS BASE (line(15 - 19))	30.54342	TOTAL GENERATION FACTOR, ¢/kWh
	Revenue Tax Req Multiplier	1.0975	33 CNTRL STN + OTHER (line 22) 33.52140
22	CENTRAL STATION + OTHER GENERAT		34 DG (line 32) 0.00000
	FACTOR, ¢/kWh (line (20 x 21))	33.52140	35 TOTAL GENERATION FACTOR,
			¢/kWh (lines 33 + 34) 33.52140

## MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION ENERGY COST RECOVERY (ECR) FILING

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

Line

1	Effective Date	January 1, 2023
2	Supercedes Factors	December 1, 2022

Line	PURCHASED ENERGY COMPONENT	
Line	FORCHASED ENERGY COMPONENT	
37	PURCHASED ENERGY PRICE, ¢/kWh - Fossil PURCHASED ENERGY PRICE, ¢/kWh - Renewab Unused CBRE FIT	le 0.000 22.500 21.800
40	Sch Q	0.000
42	PURCHASED ENERGY KWH MIX, % - Fossil PURCHASED ENERGY KWH MIX, % - Renewable Unused CBRE FIT	0.00% 0.00% 100.00%
45	Sch Q	0.00%
45B 45C	Fossil Purch. Energy % Renewable Purch. Energy % Comp. Cost, Fossil Purch. Energy, ¢/kWh Comp. Cost, Renewable Purch. Energy,¢/kWh	0.00% 100.00% N/A 21.800
47	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh (Lines (36 x 41) + (37 x 42) + (38 x 43) + (39 x 44) % Input to System kWh Mix WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (46 x 47))	0.01
	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh Base % Input to Sys kWh Mix WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (lines (49 x 50))	0.000 0.00
53 54	COST LESS BASE (lines (48 - 51)) Loss Factor Revenue Tax Req Multiplier PURCHASED ENERGY FACTOR, ¢/kWh (lines (52 x 53 x 54))	0.00316 1.098 1.0975 0.00381

Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Compone	nt
	Baseline Diesel	
56	Diesel \$, baseline month	\$695,230
57	Diesel mmbtu, baseline	25,324
58	Baseline Diesel, c/mmbtu	2,745.38
	Month Diesel	
59	Diesel mmbtu, budget	25,324
60	Diesel Cost. ¢/mmbtu	2,745.38
61	Diesel ECRC Fossil Cost	\$695,230
62		. ,
62 63	Diesel Base ECRC Recovery Target Diesel differential	\$695,230
		\$0 \$0
64	Total Fossil	\$0 \$0
65	2% of above	\$0
66	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year	\$0
67	Maximum Annual Cap (bi-directional)	\$31,500
68	Number of Days in year from implementation	365
69	Fossil Risk % Proration (based on 365 day year)	100.00%
70	Maximum Annual Cap (bi-directional) prorated	\$31,500
71	Applicable Monthly Fossil Fuel Cost Risk Sharing	\$0
72	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month	\$0
73	Fossil Cost Risk Sharing before taxes	\$0
73		ەر 1.097514
74 75	Revenue Tax Adjustment	
	Fossil Cost Risk Sharing w/revenue tax Forecasted Month MWh Sales	\$0
76		2,268
77	Fossil Fuel Cost Risk Sharing Component, ¢/kWh	0.0000
Line	SYSTEM COMPOSITE CALCULATIONS	

### SYSTEM COMPOSITE CALCULATIONS

78 GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (35 + 55))	33.52521
79 Adjustment, ¢/kWh	0.000
80 Fossil Fuel Cost Risk Sharing Component	0.000
81 ECR Reconciliation Adjustment	(0.556)
82 ECR FACTOR, ¢/kWh	32.969
(lines (78 + 79 + 80 + 81))	

## Maui Electric Company, Ltd. Molokai Division

### MONTH END FUEL OIL ESTIMATE

	Barrels	MBTU	\$
12/19/2022	4,694.45	26,899.21	784,835.02
Estimated Use	1,762.82	10,100.96	280,065.91
Estimated Received	4,558.14	26,118.14	673,450.24
Estimated Additional	-	-	-
Estimated End	7,489.77	42,916.39	1,178,219.35

Next Months Expense = \$ 157.3105 /bbl

## FUEL OIL INVENTORY PRICE USED FOR FILING

Type of Oil Burned	Price	Conversion Factor	Prices ¢/MBTU
Diesel	\$ 157.3105	5.73 BTU/BBL	2745.38

## MAUI ELECTRIC COMPANY, LTD. Molokai Division ECR Reconciliation Adjustment

## January 2023

1. Amount to be refunded	(\$34,500)
2. Monthly amount (1/3 x Line 1)	(\$11,500)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$12,621)
5. Estimated Sales (January 2023)	2,268 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.556 ¢/kwh

### MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION 2022 Cumulative Reconciliation Balance

	(1)		(2) FOA Rec	(3) FOA Rec	(4)	(5)	(6) Month-end
Manath	YTD FOA	04	Adjust	Less	Try to	Actual	Cumulative
<u>Month</u>	Reconciliation	<u>Qtr</u>	Variance	Variance	<u>Collect</u>	Collect	<u>Balance</u>
December '20					(233)	(252)	(32)
January '21					(233)	(241)	(273)
February	4,000	(4)	(258)	4,258	(1,333)	(1,290)	2,695
March					(1,333)	(1,302)	1,393
April					(1,333)	(1,311)	82
May	7,600	(1)	66	7,534	(2,533)	(2,667)	4,949
June					(2,533)	(2,707)	2,242
July					(2,533)	(2,630)	(388)
August	22,600	(2)	(286)	22,886	(7,533)	(7,735)	14,763
September					(7,533)	(7,613)	7,150
October					(7,533)	(7,699)	(549)
November	20,200	(3)	(379)	20,579	(6,733)	(7,024)	13,006
December					(6,733)	(6,702)	6,304
January '22					(6,733)	(6,879)	(575)
February	11,500	(4)	(426)	11,926	(3,833)	(3,909)	7,442
March					(3,833)	(3,831)	3,611
April					(3,833)	(3,991)	(380)
May	16,100	(1)	(220)	16,320	(5,367)	(6,014)	9,926
June					(5,367)	(5,428)	4,498
July					(5,367)	(5,680)	(1,182)
August	40,800	(2)	(866)	41,666	(13,600)	(14,372)	26,112
September					(13,600)	(13,983)	12,129
October					(13,600)	(14,488)	(2,359)
November	34,500	(3)	(1,468)	35,968	(11,500)	(11,296)	22,313
December					(11,500)		
January '23					(11,500)		
NOTES:							
Col(1):	Quarterly FOA r				,		

	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))

#### Maui Electric Company, Ltd. Molokai Division Calculations of the Average Residential Customer Bill

	Rate			Char	Charge (\$) at 400 Kwh	
		12/01/22	1/01/23	12/01/22	1/01/23	Difference
Base Rates	effective date:	09/01/19	09/01/19			
Base Fuel/Energy Charge	¢/kWh	0.0000	0.0000	0.0	0.00	0.00
Non-fuel Energy Charge						
First 250 kWhr per month	¢/kWh	14.0459	14.0459	35.1	35.11	0.00
Next 500 kWhr per month	¢/kWh	16.6959	16.6959	25.04	25.04	0.00
Customer Charge	\$	11.50	11.50	11.5	11.50	0.00
Total Base Charges				71.6	5 71.65	0.00
IRP Refund	% on base	0.000	0.000	0.0	0.00	0.00
Revenue Balancing Rate Adjustment	¢/kWh	1.6175	1.9048	6.4	7.62	1.15
PBF Surcharge	¢/kWh	0.6488	0.6488	2.6	2.60	0.00
Renewable Energy Infrastructure Cost Recovery						
Provision	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.0	0.00	0.00
Refund of 2018 Interim	% on base	0.00	0.00	0.0	0.00	0.00
Purchased Power Adjustment	¢/kWh	0.0000	0.0000	0.0	0.00	0.00
Energy Cost Recovery	¢/kWh	33.316	32.969	133.2	5 131.88	-1.38
Green Infrastructure Fee	\$	1.18	1.23	1.18	3 1.23	0.05

Avg Residential Bill at 400 kwh

Increase (Decrease -)

% Change

214.98

215.16

0.18-0.08%-

	Rate			Charge (\$) at 500 Kwh		00 Kwh	
		12/01/22	1/01/23	12/0	)1/22	1/01/23	Difference
Base Rates	effective date:	09/01/19	09/01/19				
Base Fuel/Energy Charge	¢/kWh	0.0000	0.0000		0.00	0.00	0.00
Non-fuel Energy Charge							
First 250 kWhr per month	¢/kWh	14.0459	14.0459		35.11	35.11	0.00
Next 500 kWhr per month	¢/kWh	16.6959	16.6959		41.74	41.74	0.00
Customer Charge	\$	11.50	11.50		11.50	11.50	0.00
Total Base Charges					88.35	88.35	0.00
IRP Refund	% on base	0.000	0.000		0.00	0.00	0.00
Revenue Balancing Rate Adjustment	¢/kWh	1.6175	1.9048		8.09	9.52	1.43
PBF Surcharge	¢/kWh	0.6488	0.6488		3.24	3.24	0.00
Renewable Energy Infrastructure Cost Recovery							
Provision	¢/kWh	0.0000	0.0000		0.00	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000		0.00	0.00	0.00
Refund of 2018 Interim	% on base	0.00	0.00		0.00	0.00	0.00
Purchased Power Adjustment	¢/kWh	0.0000	0.0000		0.00	0.00	0.00
Energy Cost Recovery	¢/kWh	33.316	32.969	1	66.58	164.85	-1.73
Green Infrastructure Fee	\$	1.18	1.23		1.18	1.23	0.05

Avg Residential Bill at 500 kwh

Increase (Decrease -) -0.25 % Change -0.09%

267.19

267.44

### MAUI ELECTRIC COMPANY, LTD. -- Molokai Division FUEL OIL ADJUSTMENT FACTOR DATA

	FUEL FACTOR CENTS / KWH RESIDENTIAL &	DESIDENT	TAL BILL (\$)
EFFECTIVE DATE	COMMERCIAL		@ 500 KWH
January 1, 2020	18.533	153.75	190.67
February 1, 2020	21.165	164.02	203.51
March 1, 2020	21.967	167.23	207.52
April 1, 2020	19.555	157.34	195.16
May 1, 2020	18.231	151.00	187.24
June 1, 2020 July 1, 2020	12.810 10.471	127.13 118.42	157.40 146.53
August 1, 2020	12.013	125.55	155.44
September 1, 2020	14.463	135.41	167.76
October 1, 2020	10.877	121.03	149.78
November 1, 2020	14.096	132.92	164.65
December 1, 2020	13.337	129.89	160.86
January 1, 2021	14.116	133.06	164.81
February 1, 2021	16.108	141.03	174.77
March 1, 2021	15.163	137.25	170.05
April 1, 2021	17.823	147.71	183.13
May 1, 2021	18.313	149.85	185.80
June 1, 2021	17.544	149.53	185.38
July 1, 2021	18.749	154.53	191.65
August 1, 2021	21.572	165.82	205.76
September 1, 2021	19.433	157.26	195.07
October 1, 2021	20.326	160.83	199.53
November 1, 2021	20.133	160.06	198.57
December 1, 2021	20.186	160.27	198.83
January 1, 2022	21.781	170.50	211.61
February 1, 2022	23.569	177.66	220.55
March 1, 2022	24.300	180.58	224.20
April 1, 2022	25.193	184.02	228.51
May 1, 2022	30.431	205.10	254.86
June 1, 2022	34.241	218.92	272.14
July 1, 2022	39.900	241.50	300.36
August 1, 2022	40.687	244.65	304.30
September 1, 2022	32.195	210.68	261.84
October 1, 2022	36.404	227.52	282.88
November 1, 2022	31.953	209.71	260.63
December 1, 2022	33.316	215.16	267.44
January 1, 2023	32.969	214.98	267.19

### MAUI ELECTRIC COMPANY, LTD. -- Molokai Division **RESIDENTIAL SURCHARGE DATA**

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE	
06/01/11 08/17/17	IRP RECOVERY REFUND RENEWABLE ENERGY INFRASTRUCTURE COST		PERCENT ON BASE CENTS/KWH
00/04/40	RECOVERY PROVISION		-
06/01/19	FINAL RATE INCREASE (3.74%), DOCKET NO. 2017-0150 (20		
06/01/19 - 06/30/19	REFUND OF INTERIM RATE INCREASE 2018 TEST YEAR	-2.00	PERCENT ON BASE
06/01/19 - 05/31/20	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT RESID. PBF SURCHARGE ADJUSTMENT	0.8716	CENTS/KWH CENTS/KWH
07/01/19 - 12/31/19 07/01/19 - 12/31/19	GREEN INFRASTRUCTURE FEE	0.4775	DOLLARS/MONTH
07/01/19 - 12/31/19 08/01/19 - 08/31/19	PURCHASED POWER ADJUSTMENT	0.7510	CENTS/KWH
08/01/19 - 08/31/19	PURCHASED POWER ADJUSTMENT	-0.7516	CENTS/KWH
10/01/19 - 10/31/19	PURCHASED POWER ADJUSTMENT	-0.7620	CENTS/KWH
11/01/19 - 11/30/19	PURCHASED POWER ADJUSTMENT	-0.7475	CENTS/KWH CENTS/KWH
12/01/19 - 12/31/19	PURCHASED POWER ADJUSTMENT	0.0092	CENTS/KWH
01/01/20 - 01/31/20	PURCHASED POWER ADJUSTMENT	0.0000	CENTS/KWH
01/01/20 - 06/30/20	RESID. PBF SURCHARGE ADJUSTMENT	0.0040	CENTS/KWH
01/01/20 - 06/30/20	GREEN INFRASTRUCTURE FEE	1 25	DOLLARS/MONTH
02/01/20 - 04/30/20	PURCHASED POWER ADJUSTMENT	0.00	CENTS/KWH
04/01/20 - 04/30/20	SOLARSAVER ADJUSTMENT	-0.0592	CENTS/KWH
05/01/20 - 05/31/20	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT RESID. PBF SURCHARGE ADJUSTMENT GREEN INFRASTRUCTURE FEE PURCHASED POWER ADJUSTMENT PURCHASED POWER ADJUSTMENT PURCHASED POWER ADJUSTMENT PURCHASED POWER ADJUSTMENT PURCHASED POWER ADJUSTMENT RESID. PBF SURCHARGE ADJUSTMENT GREEN INFRASTRUCTURE FEE PURCHASED POWER ADJUSTMENT SOLARSAVER ADJUSTMENT PURCHASED POWER ADJUSTMENT SOLARSAVER ADJUSTMENT PURCHASED POWER ADJUSTMENT SOLARSAVER ADJUSTMENT PURCHASED POWER ADJUSTMENT REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	-0.3200	CENTS/KWH
05/01/20 - 03/31/21	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
06/01/20 - 06/30/20	PURCHASED POWER ADJUSTMENT	-0.3325	CENTS/KWH
06/01/20 - 05/31/21	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.3383	CENTS/KWH
07/01/20 - 07/31/20	PURCHASED POWER ADJUSTMENT	0.0000	CENTS/KWH
07/01/20 - 06/30/21	RESID. PBF SURCHARGE ADJUSTMENT	0.5882	CENTS/KWH
07/01/20 - 12/31/20	GREEN INFRASTRUCTURE FEE	1.19	DOLLARS/MONTH
08/01/20 - 08/31/20	PURCHASED POWER ADJUSTMENT	0.2408	CENTS/KWH
09/01/20 - 09/30/20	PURCHASED POWER ADJUSTMENT	0.2542	CENTS/KWH
10/01/20 - 10/31/20	PURCHASED POWER ADJUSTMENT	0.2449	CENTS/KWH
11/01/20	PURCHASED POWER ADJUSTMENT RESID. PBF SURCHARGE ADJUSTMENT GREEN INFRASTRUCTURE FEE PURCHASED POWER ADJUSTMENT PURCHASED POWER ADJUSTMENT PURCHASED POWER ADJUSTMENT GREEN INFRASTRUCTURE FEE SOLARSAVER ADJUSTMENT SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
01/01/21 - 06/30/21	GREEN INFRASTRUCTURE FEE	1.25	DOLLARS/MONTH
04/01/21 - 04/30/21	SOLARSAVER ADJUSTMENT	-0.0445	CENTS/KWH
05/01/21 - 03/31/22			CENTS/KWH
06/01/21 - 12/31/21	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT		CENTS/KWH
07/01/21 - 06/30/22	RESID. PBF SURCHARGE ADJUSTMENT		CENTS/KWH
07/01/21 - 12/31/21	GREEN INFRASTRUCTURE FEE		DOLLARS/MONTH
01/01/22 - 05/31/22	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT		CENTS/KWH
01/01/22 - 06/30/22	GREEN INFRASTRUCTURE FEE		DOLLARS/MONTH
04/01/22 - 04/30/22	SOLARSAVER ADJUSTMENT		CENTS/KWH
05/01/22	SOLARSAVER ADJUSTMENT		CENTS/KWH
06/01/22 - 12/31/22	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT		CENTS/KWH
07/01/22	RESID. PBF SURCHARGE ADJUSTMENT		CENTS/KWH
07/01/22 - 12/31/22	GREEN INFRASTRUCTURE FEE		DOLLARS/MONTH
01/01/23	GREEN INFRASTRUCTURE FEE	-	DOLLARS/MONTH
01/01/23	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.9048	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.