



June 28, 2021

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 July 2021

Maui Electric Company, Limited's ("Maui Electric" or "Company") July 2021 Energy Cost Recovery factor for our Maui Division is 19.391 cents per kilowatt-hour ("kWh"), an increase of 1.518 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$183.27, an increase of \$7.72 compared to rates effective June 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery factor (+\$7.59) and increase in the Public Benefits Fund Surcharge (+\$0.30), partially offset by a decrease in the Purchase Power Adjustment (-\$0.11) and decrease in the Green Infrastructure Fee (-\$0.06).

The Company's Maui Division fuel composite cost of generation, central station and other increased 59.760 cents per million BTU to 1,395.90 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.569 cents per kWh to 20.151 cents per kWh.

The Energy Cost Recovery factor for our Lāna'i Division for July 2021 is 24.680 cents per kWh, an increase of 0.884 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$171.10, an increase of \$3.72 compared to rates effective June 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery factor (+\$3.54) and increase in the Public Benefits Fund Surcharge (+\$0.24), partially offset by a decrease in the Green Infrastructure Fee (-\$0.06).

The Company's Lāna'i Division fuel composite cost of generation, central station and other increased 71.59 cents per million BTU to 2,136.28 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 July 2021 is 18.749 cents per kWh, an increase of 1.205 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$154.53, an increase of \$5.00 compared to rates effective June 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery (+\$4.82) and increase in the Public Benefits Fund Surcharge (+\$0.24), partially offset by a decrease in the Green Infrastructure Fee (-\$0.06).

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The Company's Moloka'i Division fuel composite cost of generation, central station and other increased 99.95 cents per million BTU to 1,552.31 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 July 1, 2021.

Sincerely,

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

Attachments

cc: Division of Consumer Advocacy

**MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION**

ENERGY COST RECOVERY FACTOR

	EFFECTIVE DATES		<u>Change</u>
	<u>06/01/2021</u>	<u>07/01/2021</u>	
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,336.14	1,395.90	59.760
DG Energy, ¢/kWh	0.00	0.00	0.000
Purchased Energy, ¢/kWh	20.720	20.151	(0.569)
<u>Residential Schedule "R"</u>			
Energy Cost Recovery Factor, ¢/kWh	17.873	19.391	1.518
<u>Others - "G,P,F"</u>			
Energy Cost Recovery Factor, ¢/kWh	17.873	19.391	1.518
<u>Residential Customer with</u>			
500 KWH Consumption, \$/Bill	175.55	183.27	7.72
600 KWH Consumption, \$/Bill	209.70	218.98	9.28

Supersedes Sheet Effective:

June 1, 2021

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

ENERGY COST RECOVERY (ECR) FILING - July 1, 2021 (page 1 of 2)

Line	1 Effective Date	July 1, 2021
	2 Supercedes Factors of	June 1, 2021

GENERATION COMPONENT

CENTRAL STATION							DG ENERGY COMPONENT	
	FUEL PRICES, ¢/mmbtu							
3	Industrial					1,122.46		
4	Diesel					1,501.40		
5	Other							
	BTU MIX, %							
6	Industrial					27.84%		23 COMPOSITE COST OF DG ENERGY, ¢/kWh
7	Diesel					72.16%		0.000
8	Other					0.00%		24 % Input to System kWh Mix
						100.00%		0.00%
9	COMPOSITE COST OF GENERATION, CENTRAL STATION + OTHER ¢/mmbtu (Lines 3 x 6) + (4 x 7) + (5 x 8))					1,395.90		25 WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 23 x 24)
10	% Input to System kWh Mix					60.42%		-
	EFFICIENCY FACTOR, mmbtu/kWh							26 BASE DG ENERGY COMP COST
	(A)	(B)	(C)	(D)				0.000
			Percent of					27 Base % Input to System kWh Mix
		Eff Factor	Centrl Stn +	Weighted				0.00
	Fuel Type	mmbtu/kwh	Other	Eff Factor				28 WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 26 x 27)
11	Industrial	0.015786	20.63	0.003257				0.00000
12	Diesel	0.009938	79.37	0.007888				29 Cost Less Base (Line 25 - 28)
13	Other	0.011072	0.00	-				0.00000
	(Lines 11, 12, 13): Col(B) x Col(C) = Col(D)							30 Loss Factor
14	Weighted Efficiency Factor, mmbtu/kWh [lines 11(D) + 12(D) + 13(D)]					0.011145		1.057
	15 WEIGHTED COMPOSITE CENTRAL STATION + OTHER GENERATION COST, ¢/kWh (lines 9 x 10 x 14))					9.39972		31 Revenue Tax Req Multiplier
	16 BASE CENTRAL STATION + OTHER GENERATION COST, ¢/mmbtu					0.00		1.0975
17	Base % Input to Sys kWh Mix					0.00		32 DG FACTOR, ¢/kWh (Line 29 x 30 x 31)
18	Efficiency Factor, mmbtu/kwh					0.011072		0.00000
19	WEIGHTED BASE CENTRAL STATION + OTHER GENERATION COST ¢/kWh (lines 16 x 17 x 18))					-		
20	COST LESS BASE (line(15 - 19))					9.39972		
21	Revenue Tax Req Multiplier					1.0975		
22	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (20 x 21))					10.31619		
								SUMMARY OF TOTAL GENERATION FACTOR, ¢/kWh
								33 CNTRL STN + OTHER (line 22)
								10.31619
								34 DG (line 32)
								-
								35 TOTAL GENERATION FACTOR, ¢/kWh (lines 33 + 34)
								10.31619

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

ENERGY COST RECOVERY (ECR) FILING - July 1, 2021 (page 2 of 2)

Line	1 Effective Date	July 1, 2021
	2 Supercedes Factors of	June 1, 2021

Line	PURCHASED ENERGY COMPONENT	
	PURCHASED ENERGY PRICE - FOSSIL ϕ /kWh	
	PURCHASED ENERGY PRICE - RENEWABLE, ϕ /kWh	
36	Kaheawa Wind I - On Peak	14.000
37	- Off Peak	13.126
38	Kaheawa Wind II	26.200
39	Sempra Wind	22.868
40	Unused - On Peak	0.000
41	- Off Peak	0.000
42	South Maui RR	11.060
43	Ku'ia Solar	11.060
44	Unused	0.000
45	Unused	0.000
46	CBRE PV	16.500
47		
48	FIT	22.490
	PURCHASED ENERGY KWH MIX- FOSSIL, %	
48A	Subtotal Fossil %	0%
	PURCHASED ENERGY KWH MIX - RENEWABLE, %	
49	Kaheawa Wind I - On Peak	18.54%
50	- Off Peak	16.78%
51	Kaheawa Wind II	25.65%
52	Sempra Wind - On Peak	33.82%
53	Unused - On Peak	0.00%
54	- Off Peak	0.00%
55	South Maui RR	1.14%
56	Ku'ia Solar	1.21%
57	Unused	0.00%
58	Unused	0.00%
59	CBRE PV	0.07%
60		
61	FIT	2.79%
61A	Subtotal Renewable %	100.00%
61B	Total Purchased Energy %	100.00%
61C	Composite Cost of Purchased Energy, Fossil	N/A
61D	Composite Cost of Purchased Energy, Renewable	20.151
62	COMPOSITE COST OF PURCHASED ENERGY, ϕ /kWh	20.151
	(Lines (36 x 49) + (37 x 50) + (38 x 51) + (39 x 52) + (40 x 53) + (41 x 54) + (42 x 55) + (43 x 56) + (44 x 57) + (45 x 58) + (46 x 59) + (48 x 61))	
63	% Input to System kWh Mix	39.58%
64	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ϕ /kWh (lines (62 x 63))	7.97577
65	BASE PURCHASED ENERGY COMPOSITE COST, ϕ /kWh	0.000
66	Base % Input to Sys kWh Mix	0.00
67	WEIGHTED BASE PURCHASED ENERGY COST, ϕ /kWh (lines (65 x 66))	0.00000
68	COST LESS BASE (lines (64 - 67))	7.97577
69	Loss Factor	1.057
70	Revenue Tax Req Multiplier	1.0975
71	PURCHASED ENERGY FACTOR, ϕ /kWh (lines (68 x 69 x 70))	9.25235

Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Component	
	Baseline IFO	
72	IFO \$, baseline month	\$1,504,934
73	IFO mmbtu, baseline	177,546
74	Baseline IFO, ϕ /mmbtu	847.63
	Baseline Diesel	
75	Diesel \$, baseline month	\$4,759,944
76	Diesel mmbtu, baseline	465,907
77	Baseline Diesel, ϕ /mmbtu	1021.65
	Month IFO	
78	IFO mmbtu, budget	171,595
79	IFO Cost, ϕ /mmbtu	1,122.46
80	IFO ECRC Fossil Cost	\$1,926,085
81	IFO Base ECRC Recovery Target	\$1,454,489
82	IFO differential	\$471,596
	Month Diesel	
83	Diesel mmbtu, budget	444,809
84	Diesel Cost, ϕ /mmbtu	1,501.40
85	Diesel ECRC Fossil Cost	\$6,678,363
86	Diesel Base ECRC Recovery Target	\$4,544,396
87	Diesel differential	\$2,133,968
88	Total Fossil	\$2,605,564
89	2% of above	\$52,111
90	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year	\$149,941
91	Maximum Annual Cap (bi-directional)	\$570,000
92	Number of Days in year from implementation	365
93	Fossil Risk % Proration (based on 365 day year)	100.00%
94	Maximum Annual Cap (bi-directional) prorated	\$570,000
95	Applicable Monthly Fossil Fuel Cost Risk Sharing	\$52,111
96	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month	\$202,053
97	Fossil Cost Risk Sharing before taxes	\$52,111
98	Revenue Tax Adjustment	1,097,514
99	Fossil Cost Risk Sharing w/revenue tax	\$57,193
100	Forecasted Month MWh Sales	85,437
101	Fossil Fuel Cost Risk Sharing Component, ϕ /kWh	-0.0669

Derivation of Non-Adjustable Component:		
102	Maalaea Biodiesel (\$000s)	\$511.3
103	Hana (\$000s)	\$19.2
104	Ignition Startup (\$000s)	\$37.6
	Total	\$568.1
	Final Settlement, MECO-602, p1 and MECO-603, p1	
105	Revenue Tax Adjustment	1,097,514
106	Non-Adj Revenues, \$000	\$623.5
107	2018 TY Sales, MWh	1,017,968
	Final Tariffs submitted 4/17/2019, Docket No. 2017-0150, Exhibit 2, Att 1, p361	
108	Non-Adj Revenues, ϕ /kWh	0.06125
109	Generation and Purchased Energy Factors	19.56854
110	ECR Reconciliation Adjustment	(0.172)
111	Non-Adjustable Component	0.0612
112	Fossil Fuel Cost Risk Sharing Component	-0.0669
113	ECR FACTOR, ϕ /kWh (lines (109 + 110 + 111 + 112))	19.391

**MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION**

Fuel Oil Inventory Prices for July 2021

<u>TYPE OF OIL BURNED</u>	<u>PRICES \$/BBL</u>	<u>CONVERSION FACTORS</u>		<u>PRICES ¢/MBTU</u>
INDUSTRIAL	70.7152	6.30	MBTU/BBL	1,122.46
DIESEL/ULSD	87.8973	5.85	MBTU/BBL	1,501.40

**Maui Electric Company, Ltd.
Maui Division**

Month End Fuel Oil Estimate

<u>Kahului</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
6/18/2021	60,826.70	383,208.21	4,267,809.46
Estimated Use	10,120.03	63,756.20	700,774.92
Estimated Received	10,000.00	63,000.00	725,851.03
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>60,706.67</u>	<u>382,452.01</u>	<u>4,292,885.57</u>

Next month's expense (\$/bbl) = \$ 70.7152

<u>Maalaea</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
6/18/2021	101,030.18	591,464.95	8,699,174.60
Estimated Use	34,111.42	199,699.80	2,834,975.90
Estimated Received	35,000.00	204,901.88	3,094,180.97
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>101,918.76</u>	<u>596,667.03</u>	<u>8,958,379.67</u>

Next month's expense (\$/bbl) = \$ 87.8973

**MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION**

PURCHASED POWER PRICE CALCULATIONS

KAHEAWA WIND POWER ENERGY RATE:

Kaheawa Wind - On Peak, ¢/kWh	14.000
- Off Peak, ¢/kWh	13.126

Kaheawa Wind Energy Rate Calculations:

Percent of Energy Payment Rate:

Fixed energy payment rate	70%
Flat payment rate	<u>30%</u>
	<u>100%</u>

Fixed Energy Payment Rate (Table D-1) for 2021:

On-peak, ¢/kwh	10.571
Off-peak, ¢/kwh	9.323

Flat Payment Rate Per Docket No. 2011-0192 D&O 30331:

On-peak, ¢/kwh	22.000
Off-peak, ¢/kwh	22.000

On-Peak Rate = $10.5710 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 14 \text{ ¢/kwh}$

Off-Peak Rate = $9.323 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 13.126 \text{ ¢/kwh}$

MAUI ELECTRIC COMPANY, LTD.
Maui Division
ECR Reconciliation Adjustment
July 2021

1. Amount to be Refunded	(\$401,000)
2. Monthly amount (1 / 3 X Line 1)	(\$133,667)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$146,701)
5. Estimated Sales (July 2021)	85,437 mwh
6. Adjustmnet (Line 4 ÷ Line 5)	(0.172) ¢/kwh

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION
2021 Cumulative Reconciliation Balance

<u>Month</u>	(1) <u>YTD FOA Reconciliation</u>	<u>Qtr</u>	(2) <u>FOA Rec Adjust 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>
December '19					(893,300)	(950,248)	696,893
January '20					(893,300)	(961,281)	(264,388)
February	1,031,400	(4)	(196,411)	1,227,811	(343,800)	(327,089)	636,334
March					(343,800)	(344,340)	291,994
April					(343,800)	(255,361)	36,633
May	554,800	(1)	(51,810)	606,610	(184,933)	(181,950)	461,293
June					(184,933)	(182,971)	278,322
July					(184,933)	(181,695)	96,627
August	1,311,800	(2)	93,384	1,218,416	(437,267)	(375,529)	939,514
September					(437,267)	(397,379)	542,135
October					(437,267)	(419,505)	122,630
November	(918,500)	(3)	104,864	(1,023,364)	306,167	303,207	(597,527)
December					306,167	296,112	(301,415)
January '21					306,167	307,102	5,687
February	1,455,500	(4)	4,747	1,450,753	(485,167)	(467,035)	989,405
March					(485,167)	(490,384)	499,021
April					(485,167)	(484,285)	14,736
May	401,000	(1)	13,850	387,150	(133,667)	(145,125)	256,761
June					(133,667)		
July					(133,667)		

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 5)
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.
Maui Division
Calculations of the Average Residential Customer Bill**

	Rate		Charge (\$) at 500 Kwh		
	06/01/21	07/01/21	06/01/21	07/01/21	Difference
Base Rates	effective date: 09/01/19	09/01/19			
Base Fuel/Energy Charge	¢/kWh	0.0000	0.0000	0.00	0.00
Non-fuel Energy Charge	¢/kWh	12.1240	12.1240	42.43	42.43
First 350 kWh per month	¢/kWh	12.1240	12.1240	42.43	42.43
Next 850 kWh per month	¢/kWh	14.3840	14.3840	21.58	21.58
Customer Charge	\$	11.50	11.50	11.50	11.50
Total Base Charges			75.51	75.51	0.00
RBA Rate Adjustment	¢/kWh	1.0242	1.0242	5.12	5.12
PBF Surcharge	¢/kWh	0.5882	0.6478	2.94	3.24
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00
Refund of 2018 Interim	% on Base	0.00	0.00	0.00	0.00
Purchased Power Adjustment	¢/kWh	0.2076	0.1862	1.04	0.93
Energy Cost Recovery	¢/kWh	17.873	19.391	89.36	96.95
DSM Adjustment	¢/kWh	0.0658	0.0658	0.33	0.33
Green Infrastructure Fee	\$	1.25	1.19	1.25	1.19
Avg Residential Bill at 500 kwh			175.55	183.27	
					Increase (Decrease -) % Change
					7.72 4.40%

	Rate		Charge (\$) at 600 Kwh		
	06/01/21	07/01/21	06/01/21	07/01/21	Difference
Base Rates	effective date: 09/01/19	09/01/19			
Base Fuel/Energy Charge	¢/kWh	0.0000	0.0000	0.00	0.00
Non-fuel Energy Charge	¢/kWh	12.1240	12.1240	42.43	42.43
First 350 kWh per month	¢/kWh	12.1240	12.1240	42.43	42.43
Next 850 kWh per month	¢/kWh	14.3840	14.3840	35.96	35.96
Customer Charge	\$	11.50	11.50	11.50	11.50
Total Base Charges			89.89	89.89	0.00
RBA Rate Adjustment	¢/kWh	1.0242	1.0242	6.15	6.15
PBF Surcharge	¢/kWh	0.5882	0.6478	3.53	3.89
Renewable Energy Infrastructure Cost	¢/kWh	0.0000	0.0000	0.00	0.00
Recovery Provision	¢/kWh	0.0000	0.0000	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00
Refund of 2018 Interim	% on Base	0.00	0.00	0.00	0.00
Purchased Power Adjustment	¢/kWh	0.2076	0.1862	1.25	1.12
Energy Cost Recovery	¢/kWh	17.873	19.391	107.24	116.35
DSM Adjustment	¢/kWh	0.0658	0.0658	0.39	0.39
Green Infrastructure Fee	\$	1.25	1.19	1.25	1.19
Avg Residential Bill at 600 kwh			209.70	218.98	
					Increase (Decrease -) % Change
					9.28 4.43%

**MAUI ELECTRIC COMPANY, LTD. -- Maui Division
FUEL OIL ADJUSTMENT FACTOR DATA**

<u>EFFECTIVE DATE</u>	FUEL FACTOR CENTS / KWH <u>RESIDENTIAL & COMMERCIAL</u>	RESIDENTIAL BILL (\$)	
		<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2019	-3.405	174.77	209.33
February 1, 2019	-5.987	161.69	193.64
March 1, 2019	-5.839	162.44	194.54
April 1, 2019	-5.441	163.99	196.39
May 1, 2019	-4.041	171.40	205.29
June 1, 2019	3.899	179.76	214.71
July 1, 2019	3.059	178.60	213.35
August 1, 2019	2.938	178.02	212.67
September 1, 2019	18.068	173.77	207.57
October 1, 2019	17.098	168.93	201.76
November 1, 2019	17.061	168.70	201.48
December 1, 2019	16.191	164.37	196.28
January 1, 2020	16.751	168.57	201.30
February 1, 2020	17.482	172.82	206.40
March 1, 2020	17.800	174.41	208.31
April 1, 2020	17.503	172.62	206.17
May 1, 2020	16.260	166.06	198.28
June 1, 2020	15.145	157.82	188.40
July 1, 2020	14.702	154.77	184.77
August 1, 2020	13.780	149.70	178.68
September 1, 2020	13.659	149.08	177.94
October 1, 2020	13.390	147.74	176.34
November 1, 2020	13.830	150.47	179.61
December 1, 2020	14.923	155.93	186.17
January 1, 2021	14.967	156.21	186.48
February 1, 2021	14.338	153.34	183.04
March 1, 2021	16.168	162.49	194.03
April 1, 2021	16.378	163.32	195.01
May 1, 2021	17.615	170.84	204.05
June 1, 2021	17.873	175.55	209.70
July 1, 2021	19.391	183.27	218.98

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
06/01/11	IRP RECOVERY REFUND	0.000 PERCENT ON BASE
08/17/17	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0000 CENTS/KWH
01/01/18 - 01/31/18	PURCHASED POWER ADJUSTMENT	-0.0060 CENTS/KWH
01/01/18 - 06/30/18	GREEN INFRASTRUCTURE FEE	1.3400 DOLLARS/MONTH
02/01/18 - 04/30/18	PURCHASED POWER ADJUSTMENT	0.0003 CENTS/KWH
04/01/18 - 04/30/18	SOLARSAVER ADJUSTMENT	-0.1278 CENTS/KWH
05/01/18 - 03/31/19	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/18 - 06/30/18	PURCHASED POWER ADJUSTMENT	0.0004 CENTS/KWH
06/01/18 - 08/22/18	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.8954 CENTS/KWH
07/01/18 - 07/31/18	PURCHASED POWER ADJUSTMENT	0.0003 CENTS/KWH
07/01/18 - 06/30/19	RESID. PBF SURCHARGE ADJUSTMENT	0.4658 CENTS/KWH
07/01/18 - 12/31/18	GREEN INFRASTRUCTURE FEE	1.2100 DOLLARS/MONTH
08/01/18 - 08/31/18	PURCHASED POWER ADJUSTMENT	-0.0618 CENTS/KWH
09/01/18 - 09/30/18	PURCHASED POWER ADJUSTMENT	-0.0635 CENTS/KWH
08/23/18 - 05/31/19	INTERIM RATE INCREASE 2018 TEST YEAR	7.42 PERCENT ON BASE
08/23/18 - 05/31/19	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.3183 CENTS/KWH
10/01/18 - 10/31/18	PURCHASED POWER ADJUSTMENT	-0.0602 CENTS/KWH
11/01/18 - 11/30/19	PURCHASED POWER ADJUSTMENT	0.0108 CENTS/KWH
12/01/18 - 12/31/18	PURCHASED POWER ADJUSTMENT	0.0099 CENTS/KWH
01/01/19 - 01/31/19	PURCHASED POWER ADJUSTMENT	0.0094 CENTS/KWH
01/01/19 - 06/30/19	GREEN INFRASTRUCTURE FEE	1.35 DOLLARS/MONTH
02/01/19 - 02/28/19	PURCHASED POWER ADJUSTMENT	-0.0241 CENTS/KWH
03/01/19 - 03/31/19	PURCHASED POWER ADJUSTMENT	-0.0224 CENTS/KWH
04/01/19 - 04/30/19	PURCHASED POWER ADJUSTMENT	-0.0244 CENTS/KWH
04/01/19 - 04/30/19	SOLARSAVER ADJUSTMENT	-0.0855 CENTS/KWH
05/01/19 - 05/31/19	PURCHASED POWER ADJUSTMENT	-0.0274 CENTS/KWH
5/1/2019 - 03/31/20	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/19 - 06/30/19	PURCHASED POWER ADJUSTMENT	-0.0067 CENTS/KWH
06/01/19	FINAL RATE INCREASE (3.74%), DOCKET NO. 2017-0150 (2018 TEST YEAR)	
06/01/19 - 06/30/19	REFUND OF INTERIM RATE INCREASE 2018 TEST YEAR	-2.03 PERCENT ON BASE
06/01/19 - 05/31/20	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.8716 CENTS/KWH
07/01/19 - 07/31/19	PURCHASED POWER ADJUSTMENT	-0.0045 CENTS/KWH
07/01/19 - 12/31/19	RESID. PBF SURCHARGE ADJUSTMENT	0.4775 CENTS/KWH
07/01/19 - 12/31/19	GREEN INFRASTRUCTURE FEE	1.17 DOLLARS/MONTH
08/01/19 - 08/31/19	PURCHASED POWER ADJUSTMENT	0.0023 CENTS/KWH
09/01/19 - 09/30/19	PURCHASED POWER ADJUSTMENT	0.0005 CENTS/KWH
10/01/19 - 10/31/19	PURCHASED POWER ADJUSTMENT	0.0023 CENTS/KWH
11/01/19 - 11/30/19	PURCHASED POWER ADJUSTMENT	-0.0063 CENTS/KWH
12/01/19 - 12/31/19	PURCHASED POWER ADJUSTMENT	-0.0047 CENTS/KWH
01/01/20 - 01/31/20	PURCHASED POWER ADJUSTMENT	-0.0069 CENTS/KWH
01/01/20 - 06/30/20	RESID. PBF SURCHARGE ADJUSTMENT	0.7437 CENTS/KWH
01/01/20 - 06/30/20	GREEN INFRASTRUCTURE FEE	1.25 DOLLARS/MONTH
02/01/20 - 02/29/20	PURCHASED POWER ADJUSTMENT	-0.0126 CENTS/KWH
02/01/20 - 04/30/20	RESID. DSM ADJUSTMENT	0.1268 CENTS/KWH
03/01/20 - 03/31/20	PURCHASED POWER ADJUSTMENT	-0.0127 CENTS/KWH
04/01/20 - 04/30/20	PURCHASED POWER ADJUSTMENT	-0.0138 CENTS/KWH
04/01/20 - 04/30/20	SOLARSAVER ADJUSTMENT	-0.0592 CENTS/KWH
05/01/20 - 03/31/21	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/20 - 05/31/20	PURCHASED POWER ADJUSTMENT	-0.0128 CENTS/KWH
05/01/20 - 07/31/20	RESID. DSM ADJUSTMENT	-0.0048 CENTS/KWH
06/01/20 - 06/30/20	PURCHASED POWER ADJUSTMENT	-0.0124 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	-0.0091 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 - 10/31/20	RESID. DSM ADJUSTMENT	-0.1104 CENTS/KWH
08/01/20 - 08/31/20	PURCHASED POWER ADJUSTMENT	0.0033 CENTS/KWH
09/01/20 - 09/30/20	PURCHASED POWER ADJUSTMENT	0.0016 CENTS/KWH
10/01/20 - 10/31/20	PURCHASED POWER ADJUSTMENT	0.0027 CENTS/KWH
11/01/20 - 11/30/20	PURCHASED POWER ADJUSTMENT	-0.0006 CENTS/KWH
11/01/20 - 01/31/21	RESID. DSM ADJUSTMENT	-0.0022 CENTS/KWH
12/01/20 - 12/31/20	PURCHASED POWER ADJUSTMENT	0.0001 CENTS/KWH
01/01/21 - 01/31/21	PURCHASED POWER ADJUSTMENT	-0.0013 CENTS/KWH
01/01/21 - 06/30/21	GREEN INFRASTRUCTURE FEE	1.25 DOLLARS/MONTH
02/01/21	RESID. DSM ADJUSTMENT	0.0563 CENTS/KWH
02/01/21 - 02/28/21	PURCHASED POWER ADJUSTMENT	-0.0042 CENTS/KWH
03/01/21 - 03/31/21	PURCHASED POWER ADJUSTMENT	-0.0030 CENTS/KWH
04/01/21 - 04/30/21	PURCHASED POWER ADJUSTMENT	-0.0044 CENTS/KWH
04/01/21 - 04/30/21	SOLARSAVER ADJUSTMENT	-0.0445 CENTS/KWH
05/01/21	RESID. DSM ADJUSTMENT	0.0658 CENTS/KWH
05/01/21	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/21 - 05/31/21	PURCHASED POWER ADJUSTMENT	0.2109 CENTS/KWH
06/01/21 - 06/30/21	PURCHASED POWER ADJUSTMENT	0.2076 CENTS/KWH
06/01/21	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.0242 CENTS/KWH
07/01/21	GREEN INFRASTRUCTURE FEE	1.19 DOLLARS/MONTH
07/01/21	RESID. PBF SURCHARGE ADJUSTMENT	0.6478 CENTS/KWH
07/01/21	PURCHASED POWER ADJUSTMENT	0.1862 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.

**Maui Electric Company, Ltd. - Maui Division
Residential Bill at 500 kWh/Month Consumption**

