



FILED

March 27, 2019

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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

PUBLIC UTILITIES
COMMISSION

Dear Commissioners:

Subject: Maui Electric Energy Cost Adjustment Factor for April 2019

Maui Electric Company, Limited's ("Maui Electric" or "Company") April 2019 Energy Cost Adjustment factor for our Maui Division is -5.441 cents per kilowatt-hour ("kWh"), an increase of 0.398 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$163.99, an increase of \$1.55 compared to rates effective March 1, 2019. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor (+\$1.99), partially offset by the decrease in the Purchase Power Adjustment (-\$0.01), and credit for the Solar Saver Adjustment (-\$0.43).

The Company's Maui Division fuel composite cost of generation, central station and other decreased 3.17 cents per million BTU to 1,402.41 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.047 cents per kWh to 19.831 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for April 2019 is -6.801 cents per kWh, a decrease of 0.76 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$166.07, a decrease of \$3.38 compared to rates effective March 1, 2019. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor (-\$3.04) and credit for the Solar Saver Adjustment (-\$0.34).

The Company's Lāna'i Division fuel composite cost of generation, central station and other decreased 65.74 cents per million BTU to 2,032.37 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy is 30.00 cents per kWh.

The Energy Cost Adjustment factor for our Moloka'i Division for April 2019 is -5.034 cents per kWh, a decrease of 0.162 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$158.51, a decrease of \$0.99 compared to rates effective March 1, 2019. The decrease in the typical residential bill is due to

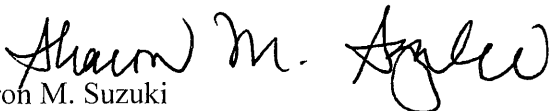
The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
March 27, 2019
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the decrease in the Energy Cost Adjustment factor (-\$0.65) and credit for the Solar Saver Adjustment (-\$0.34).

The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 13.36 cents per million BTU to 1,723.24 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 April 1, 2019.

Sincerely,


Sharon M. Suzuki
President

Attachments

cc: Division of Consumer Advocacy

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION

ENERGY COST ADJUSTMENT FACTOR

	EFFECTIVE DATES		<u>Change</u>
	<u>03/01/2019</u>	<u>04/01/2019</u>	
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,405.58	1,402.41	(3.17)
DG Energy, ¢/kWh	0.00	0.00	0.000
Purchased Energy, ¢/kWh	19.878	19.831	(0.047)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(5.839)	(5.441)	0.398
<u>Others - "G,H,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(5.839)	(5.441)	0.398
<u>Residential Customer with</u>			
500 KWH Consumption, \$/Bill	162.44	163.99	1.55
600 KWH Consumption, \$/Bill	194.54	196.39	1.85

Supersedes Sheet Effective:

March 1, 2019

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION
ENERGY COST ADJUSTMENT (ECA) FILING

ENERGY COST ADJUSTMENT (ECA) FILING - April 1, 2019 (page 1 of 2)

Line		
1	Effective Date	April 1, 2019
2	Supercedes Factors of	March 1, 2019

GENERATION COMPONENT

CENTRAL STATION					DG ENERGY COMPONENT		
FUEL PRICES, ¢/mmbtu							
3	Industrial			1,049.14			
4	Diesel			1,526.66			
5	Other						
BTU MIX, %							
6	Industrial			26.02%	23	COMPOSITE COST OF DG	
7	Diesel			73.98%		ENERGY, ¢/kWh	0.000
8	Other			0.00%	24	% Input to System kWh Mix	0.00%
				100.00%			
9	COMPOSITE COST OF GENERATION, CENTRAL STATION + OTHER ¢/mmbtu (Lines (3 x 6) + (4 x 7) + (5 x 8))			1,402.41	25	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 23 x 24)	-
10	% Input to System kWh Mix			74.69%	26	BASE DG ENERGY COMP COST	0.000
EFFICIENCY FACTOR, mmbtu/kWh					27	Base % Input to System kWh Mix	0.01
	(A)	(B)	(C)	(D)	28	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 26 x 27)	0.00000
			Percent of		29	Cost Less Base (Line 25 - 28)	0.00000
			Centrl Stn +	Weighted	30	Loss Factor	1.063
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Other</u>	<u>Eff Factor</u>	31	Revenue Tax Req Multiplier	1.0975
11	Industrial	0.015126	18.31	0.002770	32	DG FACTOR, ¢/kWh (Line 29 x 30 x 31)	0.00000
12	Diesel	0.010026	81.69	0.008190			
13	Other	0.010951	0.00	-			
	(Lines 11, 12, 13): Col(B) x Col(C) = Col(D)						
14	Weighted Efficiency Factor, mmbtu/kWh [(lines 11(D) + 12(D) + 13(D))]			0.010960			
15	WEIGHTED COMPOSITE CENTRAL STATION + OTHER GENERATION COST, ¢/kWh (lines (9 x 10 x 14))			11.48016			
16	BASE CENTRAL STATION + OTHER GENERATION COST, ¢/mmbtu			2,019.39			
17	Base % Input to Sys kWh Mix			78.09			
18	Efficiency Factor, mmbtu/kwh			0.010951			
19	WEIGHTED BASE CENTRAL STATION + OTHER GENERATION COST ¢/kWh (lines (16 x 17 x 18))			17.26909			
20	COST LESS BASE (line(15 - 19))			(5.78893)			
21	Revenue Tax Req Multiplier			1.0975			
22	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (20 x 21))			(6.35335)			
					SUMMARY OF		
					TOTAL GENERATION FACTOR, ¢/kWh		
					33	CNTRL STN + OTHER (line 22)	(6.35335)
					34	DG (line 32)	-
					35	TOTAL GENERATION FACTOR, ¢/kWh (lines 33 + 34)	(6.35335)

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION
ENERGY COST ADJUSTMENT (ECA) FILING

ENERGY COST ADJUSTMENT (ECA) FILING - April 1, 2019 (page 2 of 2)

<u>Line</u>		
1	Effective Date	April 1, 2019
2	Supercedes Factors of	March 1, 2019

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>	
	PURCHASED ENERGY PRICE, ¢/kWh	
36	Kaheawa Wind I	13.783
37	- On Peak	12.935
38	- Off Peak	25.684
39	Kaheawa Wind II	22.197
40	Sempre Wind	14.270
41	Hydro & Other	13.734
42	- On Peak	11.060
43	- Off Peak	11.060
44	South Maui RR	16.500
45	Ku'ia Solar	
46	CBRE PV	21.458
46	FIT	
	PURCHASED ENERGY KWH MIX, %	
47	Kaheawa Wind I	12.97%
48	- On Peak	15.56%
49	- Off Peak	24.60%
50	Kaheawa Wind II	35.40%
51	Sempre Wind	0.27%
52	Hydro & Other	0.12%
53	- On Peak	2.69%
54	- Off Peak	2.51%
55	South Maui RR	0.76%
56	Ku'ia Solar	
57	CBRE PV	5.12%
57	FIT	100.00%
58	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh	
	(Lines (36 x 47) + (37 x 48) + (38 x 49) + (39 x 50)	19.831
	+ (40 x 51) + (41 x 52) + (42 x 53) + (43 x 54) + (44 x 55)	
	+ (46 x 57)	
59	% Input to System kWh Mix	25.31%
60	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (58 x 59))	5.01923
61	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh	15.847
62	Base % Input to Sys kWh Mix	21.90
63	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (lines (61 x 62))	3.47049
64	COST LESS BASE (lines (60 - 63))	1.54874
65	Loss Factor	1.063
66	Revenue Tax Req Multiplier	1.0975
67	PURCHASED ENERGY FACTOR, ¢/kWh (lines (64 x 65 x 66))	1.80683

<u>Line</u>	<u>SYSTEM COMPOSITE CALCULATIONS</u>	
68	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (35 + 67))	(4.54652)
69	ADJUSTMENT, ¢/kWh	
70	ECA Reconciliation Adjustment	(0.894)
71	ECA FACTOR, ¢/kWh (lines (68 + 69 + 70))	(5.441)

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION

Fuel Oil Inventory Prices for April 2019

<u>TYPE OF OIL BURNED</u>	<u>PRICES \$/BBL</u>	<u>CONVERSION FACTORS</u>		<u>PRICES ¢/MBTU</u>
INDUSTRIAL	66.0961	6.30	MBTU/BBL	1,049.14
DIESEL/ULSD	89.4049	5.86	MBTU/BBL	1,526.66

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

Month End Fuel Oil Estimate

<u>Kahului</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
3/20/2019	45,711.57	287,982.89	2,949,117.87
Estimated Use	10,078.63	63,495.34	593,300.31
Estimated Received	18,000.00	113,400.00	1,189,113.46
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>53,632.94</u>	<u>337,887.55</u>	<u>3,544,931.02</u>

Next month's expense (\$/bbl) = \$ 66.0961

<u>Maalaea</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
3/20/2019	100,825.68	590,460.12	9,013,586.56
Estimated Use	31,020.90	181,666.08	2,788,161.80
Estimated Received	26,300.00	154,019.31	2,366,812.85
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>96,104.77</u>	<u>562,813.35</u>	<u>8,592,237.61</u>

Next month's expense (\$/bbl) = \$ 89.4049

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION

Contract Prices effective March 1, 2019

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
INDUSTRIAL		
Tax *	4.0050	63.57
Ocean Transportation	1.8127	28.77
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.3900	6.19
DIESEL		
Tax *	5.3964	92.09
Ocean Transportation	1.8127	30.93
Land Transportation	0.9782	16.69
Storage	2.8489	48.62
Wharfage	0.3900	6.66

* Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST tax, Environmental Response Tax, Customs Duty Fee, and Fed Oil Spill Recovery Fee

Note: Since these components are not accounted for separately in inventory, contract prices for the current month are being provided. Contract prices are considered accurate pending actual delivery of the fuel.

Reference: Decision and Order No. 16134, Docket No. 96-0040.

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

PURCHASED POWER PRICE CALCULATIONS

KAHEAWA WIND POWER ENERGY RATE:

Kaheawa Wind - On Peak, ¢/kWh	13.783
- Off Peak, ¢/kWh	12.935

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 2019:

On-peak, ¢/kwh	10.261
Off-peak, ¢/kwh	9.050

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

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

On-Peak Rate = $10.2610 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 13.783 \text{ ¢/kwh}$

Off-Peak Rate = $9.05 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 12.935 \text{ ¢/kwh}$

MAUI ELECTRIC COMPANY, LTD.
Maui Division
ECA Reconciliation Adjustment
April 2019

1. Amount to be Refunded	(\$1,886,900)
2. Monthly amount (1 / 3 X Line 1)	(\$628,967)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$690,300)
5. Estimated Sales (April 2019)	77,248 mwh
6. Adjustment (Line 4 ÷ Line 5)	(0.894) ¢/kwh

**MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION
2019 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 '18					(327,700)	(323,073)	279,528
January '19					(327,700)	(345,025)	(65,497)
February	1,886,900	(4)	(48,178)	1,935,078	(628,967)	(587,149)	1,282,432
March					(628,967)		
April					(628,967)		

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			
	03/01/19	04/01/19	03/01/19	04/01/19	Difference	
Base Rates	effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	23.0016	23.0016	115.01	115.01	0.00
Non-fuel Fuel Energy Charge						
First 350 kWh per month	¢/kWh	9.3393	9.3393	32.69	32.69	0.00
Next 850 kWh per month	¢/kWh	11.5993	11.5993	17.40	17.40	0.00
Customer Charge	\$	8.50	8.50	8.50	8.50	0.00
Total Base Charges				173.60	173.60	0.00
RBA Rate Adjustment	¢/kWh	0.3183	0.3183	1.59	1.59	0.00
PBF Surcharge	¢/kWh	0.4658	0.4658	2.33	2.33	0.00
SolarSaver Adjustment	¢/kWh	0.0000	-0.0855	0.00	-0.43	-0.43
Interim Rate Increase (Test Year 2018)	% on Base	7.42	7.42	12.88	12.88	0.00
Purchased Power Adjustment	¢/kWh	-0.0224	-0.0244	-0.11	-0.12	-0.01
Energy Cost Adjustment	¢/kWh	-5.839	-5.441	-29.20	-27.21	1.99
Green Infrastructure Fee	\$	1.35	1.35	1.35	1.35	0.00
Avg Residential Bill at 500 kwh				162.44	163.99	

Increase (Decrease -)	1.55
% Change	0.95%

	Rate		Charge (\$) at 600 Kwh			
	03/01/19	04/01/19	03/01/19	04/01/19	Difference	
Base Rates	effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	23.0016	23.0016	138.01	138.01	0.00
Non-fuel Fuel Energy Charge						
First 350 kWh per month	¢/kWh	9.3393	9.3393	32.69	32.69	0.00
Next 850 kWh per month	¢/kWh	11.5993	11.5993	29.00	29.00	0.00
Customer Charge	\$	8.50	8.50	8.50	8.50	0.00
Total Base Charges				208.20	208.20	0.00
RBA Rate Adjustment	¢/kWh	0.3183	0.3183	1.91	1.91	0.00
PBF Surcharge	¢/kWh	0.4658	0.4658	2.79	2.79	0.00
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	-0.0855	0.00	-0.51	-0.51
Interim Rate Increase (Test Year 2018)	% on Base	7.42	7.42	15.45	15.45	0.00
Purchased Power Adjustment	¢/kWh	-0.0224	-0.0244	-0.13	-0.15	-0.02
Energy Cost Adjustment	¢/kWh	-5.839	-5.441	-35.03	-32.65	2.38
Green Infrastructure Fee	\$	1.35	1.35	1.35	1.35	0.00
Avg Residential Bill at 600 kwh				194.54	196.39	

Increase (Decrease -)	1.85
% Change	0.95%

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

<u>EFFECTIVE DATE</u>	FUEL FACTOR CENTS / KWH		RESIDENTIAL BILL (\$)	
	<u>RESIDENTIAL & COMMERCIAL</u>		<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2017	-7.659		146.59	175.55
February 1, 2017	-8.247		143.65	172.02
March 1, 2017	-7.314		148.32	177.61
April 1, 2017	-5.770		155.35	186.05
May 1, 2017	-7.998		144.79	173.38
June 1, 2017	-5.191		159.61	191.16
July 1, 2017	-5.635		157.32	188.42
August 1, 2017	-7.867		145.30	174.01
September 1, 2017	-9.278		138.19	165.47
October 1, 2017	-7.391		147.64	176.80
November 1, 2017	-5.305		158.18	189.46
December 1, 2017	-7.839		145.51	174.26
January 1, 2018	-6.115		154.28	184.75
February 1, 2018	-5.747		156.16	187.00
March 1, 2018	-4.402		162.88	195.07
April 1, 2018	-4.914		159.68	191.23
May 1, 2018	-4.510		162.34	194.42
June 1, 2018	-2.402		174.53	209.05
July 1, 2018	-1.259		180.32	216.01
August 1, 2018	-3.848		167.07	200.11
September 1, 2018	-3.445		174.06	208.51
October 1, 2018	-3.282		174.90	209.51
November 1, 2018	-2.358		179.87	215.47
December 1, 2018	-2.401		179.65	215.21
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

**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
04/01/13 - 04/30/13	SOLARSAVER ADJUSTMENT	-0.2053 CENTS/KWH
08/01/13	FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (2012 TEST YEAR)	
	RECOVERY PROVISION	
04/01/17 - 04/30/17	SOLARSAVER ADJUSTMENT	-0.1378 CENTS/KWH
05/01/17 - 3/31/18	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/17 - 05/31/17	PURCHASED POWER ADJUSTMENT	-0.0224 CENTS/KWH
06/01/17 - 06/30/17	PURCHASED POWER ADJUSTMENT	-0.0218 CENTS/KWH
6/1/2017 - 05/31/18	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.5654 CENTS/KWH
07/01/17 - 12/31/17	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
07/01/17 - 07/31/17	PURCHASED POWER ADJUSTMENT	-0.0202 CENTS/KWH
07/01/17 - 06/30/18	RESID. PBF SURCHARGE ADJUSTMENT	0.4244 CENTS/KWH
08/01/17 - 08/31/17	PURCHASED POWER ADJUSTMENT	-0.0286 CENTS/KWH
08/17/17	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0000 CENTS/KWH
09/01/17 - 09/30/17	PURCHASED POWER ADJUSTMENT	-0.0307 CENTS/KWH
10/01/17 - 10/31/17	PURCHASED POWER ADJUSTMENT	-0.0275 CENTS/KWH
11/01/17 - 11/30/17	PURCHASED POWER ADJUSTMENT	-0.0058 CENTS/KWH
12/01/17 - 12/31/17	PURCHASED POWER ADJUSTMENT	-0.0054 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	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	INTERIM RATE INCREASE 2018 TEST YEAR	7.42 PERCENT ON BASE
08/23/18	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	GREEN INFRASTRUCTURE FEE	1.35 DOLLARS/MONTH
02/01/19 - 02/28/19	PURCHASED POWER ADJUSTMENT	-0.0241 CENTS/KWH
03/01/19-3/31/2019	PURCHASED POWER ADJUSTMENT	-0.0224 CENTS/KWH
04/01/19	PURCHASED POWER ADJUSTMENT	-0.0244 CENTS/KWH
04/01/19	SOLARSAVER ADJUSTMENT	-0.0855 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**

