



December 27, 2018

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PUBLIC UTILITIES
COMMISSION

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 Adjustment Factor for January 2019

Maui Electric Company, Limited's ("Maui Electric" or "Company") January 2019 Energy Cost Adjustment factor for our Maui Division is -3.405 cents per kilowatt-hour ("kWh"), a decrease of 1.004 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$174.77, a decrease of \$4.88 compared to rates effective December 1, 2018. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor (-\$5.02) partially offset by the increase in the Green Infrastructure Fee (+\$0.14).

The Company's Maui Division fuel composite cost of generation, central station and other decreased 150.71 cents per million BTU to 1,594.92 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy increased 1.812 cents per kWh to 19.747 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for January 2019 is -6.950 cents per kWh, a decrease of 1.554 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$165.81, a decrease of \$6.08 compared to rates effective December 1, 2018. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor (-\$6.22) partially offset by the increase in the Green Infrastructure Fee (+\$0.14).

The Company's Lāna'i Division fuel composite cost of generation, central station and other decreased 143.53 cents per million BTU to 2,062.73 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 January 2019 is -3.771 cents per kWh, a decrease of 2.340 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$163.91, a decrease of \$9.22 compared to rates effective December 1, 2018. The decrease in the typical residential bill is due

The Honorable Chair and Members
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to the decrease in the Energy Cost Adjustment factor (-\$9.36) partially offset by the increase in the Green Infrastructure Fee (+\$0.14).

The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 190.38 cents per million BTU to 1,849.33 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, 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>12/01/2018</u>	<u>01/01/2019</u>	
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,745.63	1,594.92	(150.71)
DG Energy, ¢/kWh	0.00	0.00	0.000
Purchased Energy, ¢/kWh	17.935	19.747	1.812
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(2.401)	(3.405)	(1.004)
<u>Others - "G,H,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(2.401)	(3.405)	(1.004)
<u>Residential Customer with</u>			
500 KWH Consumption, \$/Bill	179.65	174.77	(4.88)
600 KWH Consumption, \$/Bill	215.21	209.33	(5.88)

Supersedes Sheet Effective:

December 1, 2018

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

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

Line

1 Effective Date January 1, 2019
2 Supercedes Factors of December 1, 2018

GENERATION COMPONENT

<u>CENTRAL STATION</u>							
FUEL PRICES, ¢/mmbtu							
3	Industrial			1,180.15			
4	Diesel			1,733.54			
5	Other						
BTU MIX, %							
6	Industrial			25.05%			
7	Diesel			74.95%			
8	Other			0.00%			
				100.00%			
9	COMPOSITE COST OF GENERATION, CENTRAL STATION + OTHER ¢/mmbtu (Lines (3 x 6) + (4 x 7) + (5 x 8))			1,594.92			
10	% Input to System kWh Mix			76.61%			
EFFICIENCY FACTOR, mmbtu/kWh							
	(A)	(B)	(C)	(D)			
			Percent of				
			Centrl Stn +	Weighted			
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Other</u>	<u>Eff Factor</u>			
		<u>mmbtu/kWh</u>					
11	Industrial	0.015126	17.52	0.002650			
12	Diesel	0.010026	82.48	0.008269			
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))]			0.010919			
15	WEIGHTED COMPOSITE CENTRAL STATION + OTHER GENERATION COST, ¢/kWh (lines (9 x 10 x 14))			13.34158			
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))			(3.92751)			
21	Revenue Tax Req Multiplier			1.0975			
22	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (20 x 21))			(4.31044)			
					<u>DG ENERGY COMPONENT</u>		
					23	COMPOSITE COST OF DG ENERGY, ¢/kWh	0.000
					24	% Input to System kWh Mix	0.00%
					25	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 23 x 24)	-
					26	BASE DG ENERGY COMP COST	0.000
					27	Base % Input to System kWh Mix	0.01
					28	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 26 x 27)	0.00000
					29	Cost Less Base (Line 25 - 28)	0.00000
					30	Loss Factor	1.063
					31	Revenue Tax Req Multiplier	1.0975
					32	DG FACTOR, ¢/kWh (Line 29 x 30 x 31)	0.00000
					SUMMARY OF		
					TOTAL GENERATION FACTOR, ¢/kWh		
					33	CNTRL STN + OTHER (line 22)	(4.31044)
					34	DG (line 32)	-
					35	TOTAL GENERATION FACTOR, ¢/kWh (lines 33 + 34)	(4.31044)

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

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

<u>Line</u>		
1	Effective Date	January 1, 2019
2	Supercedes Factors of	December 1, 2018

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>		
	PURCHASED ENERGY PRICE, ¢/kWh		
36	Kaheawa Wind I	- On Peak	13.783
37		- Off Peak	12.935
38	Kaheawa Wind II		25.684
39	Sempra Wind		22.197
40	Hydro & Other	- On Peak	16.199
41		- Off Peak	15.596
42	South Maui RR		11.060
43	Ku'ia Solar		11.060
44	CBRE PV		16.500
45			
46	FIT		21.458
	PURCHASED ENERGY KWH MIX, %		
47	Kaheawa Wind I	- On Peak	17.09%
48		- Off Peak	14.32%
49	Kaheawa Wind II		27.50%
50	Sempra Wind	- On Peak	30.97%
51	Hydro & Other	- On Peak	0.24%
52		- Off Peak	0.10%
53	South Maui RR		2.51%
54	Ku'ia Solar		2.49%
55	CBRE PV		0.63%
56			
57	FIT		4.15%
			<u>100.00%</u>
58	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		19.747
	(Lines (36 x 47) + (37 x 48) + (38 x 49) + (39 x 50) + (40 x 51) + (41 x 52) + (42 x 53) + (43 x 54) + (44 x 55) + (46 x 57))		
59	% Input to System kWh Mix		23.39%
60	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (58 x 59))		4.61882
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))		1.14833
65	Loss Factor		1.063
66	Revenue Tax Req Multiplier		1.0975
67	PURCHASED ENERGY FACTOR, ¢/kWh (lines (64 x 65 x 66))		1.33969

<u>Line</u>	<u>SYSTEM COMPOSITE CALCULATIONS</u>		
68	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (35 + 67))		(2.97075)
69	ADJUSTMENT, ¢/kWh		
70	ECA Reconciliation Adjustment		(0.434)
71	ECA FACTOR, ¢/kWh (lines (68 + 69 + 70))		(3.405)

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

Fuel Oil Inventory Prices for January 2019

<u>TYPE OF OIL BURNED</u>	<u>PRICES \$/BBL</u>	<u>CONVERSION FACTORS</u>		<u>PRICES ¢/MBTU</u>
INDUSTRIAL	74.3493	6.30	MBTU/BBL	1,180.15
DIESEL/ULSD	101.5351	5.86	MBTU/BBL	1,733.54

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

Month End Fuel Oil Estimate

<u>Kahului</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
12/17/2018	36,987.00	233,018.10	2,897,076.98
Estimated Use	10,337.84	65,128.36	839,460.06
Estimated Received	24,000.00	151,200.00	1,708,112.91
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>50,649.16</u>	<u>319,089.74</u>	<u>3,765,729.83</u>
Next month's expense (\$/bbl) =		\$ 74.3493	

<u>Maalaea</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
12/17/2018	121,350.59	710,764.04	12,843,637.25
Estimated Use	36,671.94	214,791.70	4,110,528.75
Estimated Received	26,600.00	155,799.19	2,565,581.19
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>111,278.64</u>	<u>651,771.53</u>	<u>11,298,689.69</u>
Next month's expense (\$/bbl) =		\$ 101.5351	

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

Contract Prices effective December 1, 2018

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
INDUSTRIAL		
Tax *	4.2541	67.53
Ocean Transportation	1.6472	26.15
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.3900	6.19
DIESEL		
Tax *	5.6781	96.90
Ocean Transportation	1.6472	28.11
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,	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 = $10.2610 \times 0.7 + 22.000 \times 0.3 = 13.783$

Off-Peak Rate = $9.050 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 12.935 \text{ ¢/kwh}$

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

1. Amount to be Refunded	(\$983,100)
2. Monthly amount (1 / 3 X Line 1)	(\$327,700)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$359,655)
5. Estimated Sales (January 2019)	82,911 mwh
6. Adjustment (Line 4 ÷ Line 5)	(0.434) ¢/kwh

**MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION
2018 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 '17					(323,167)	(288,628)	393,068
January '18					(323,167)	(330,544)	62,524
February	994,600	(4)	69,895	924,705	(331,533)	(332,923)	654,306
March					(331,533)	(333,329)	320,977
April					(331,533)	(365,577)	(44,600)
May	250,200	(1)	(10,563)	260,763	(83,400)	(85,797)	130,366
June					(83,400)	(87,681)	42,685
July					(83,400)	(90,991)	(48,306)
August	1,159,100	(2)	(40,722)	1,199,822	(386,367)	(429,755)	721,761
September					(386,367)	(403,743)	318,018
October					(386,367)	(426,407)	(108,389)
November	983,100	(3)	(68,355)	1,051,455	(327,700)	(340,465)	602,601
December					(327,700)		
January '19					(327,700)		

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		
	12/01/18	01/01/19	12/01/18	01/01/19	Difference
Base Rates					
effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	23.0016	23.0016	23.0016	0.00
Non-fuel Fuel Energy Charge					
First 350 kWhr per month	¢/kWh	9.3393	9.3393	9.3393	0.00
Next 850 kWhr per month	¢/kWh	11.5993	11.5993	11.5993	0.00
Customer Charge	\$	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	0.3183	0.00
PBF Surcharge	¢/kWh	0.4658	0.4658	0.4658	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.0000	0.00
Interim Rate Increase (Test Year 2018)	% on Base	7.42	7.42	7.42	0.00
Purchased Power Adjustment	¢/kWh	0.0099	0.0094	0.0099	0.00
Energy Cost Adjustment	¢/kWh	-2.401	-3.405	-2.401	-5.02
Green Infrastructure Fee	\$	1.21	1.21	1.35	0.14
Avg Residential Bill at 500 kwh			179.65	174.77	
					Increase (Decrease -)
					% Change
					-4.88
					-2.72%

	Rate		Charge (\$) at 600 Kwh		
	12/01/18	01/01/19	12/01/18	01/01/19	Difference
Base Rates					
effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	23.0016	23.0016	23.0016	0.00
Non-fuel Fuel Energy Charge					
First 350 kWhr per month	¢/kWh	9.3393	9.3393	9.3393	0.00
Next 850 kWhr per month	¢/kWh	11.5993	11.5993	11.5993	0.00
Customer Charge	\$	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	0.3183	0.00
PBF Surcharge	¢/kWh	0.4658	0.4658	0.4658	0.00
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0000	0.0000	0.0000	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.0000	0.00
Interim Rate Increase (Test Year 2018)	% on Base	7.42	7.42	7.42	0.00
Purchased Power Adjustment	¢/kWh	0.0099	0.0094	0.0099	0.00
Energy Cost Adjustment	¢/kWh	-2.401	-3.405	-2.401	-6.02
Green Infrastructure Fee	\$	1.21	1.21	1.35	0.14
Avg Residential Bill at 600 kwh			215.21	209.33	
					Increase (Decrease -)
					% Change
					-5.88
					-2.73%

**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

**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)	
01/01/16 - 01/31/16	PURCHASED POWER ADJUSTMENT	-0.1055 CENTS/KWH
01/01/16 - 06/30/16	GREEN INFRASTRUCTURE FEE	1.30 DOLLARS/MONTH
02/01/16 - 02/29/16	PURCHASED POWER ADJUSTMENT	-0.0338 CENTS/KWH
03/01/16 - 03/31/16	PURCHASED POWER ADJUSTMENT	-0.0325 CENTS/KWH
03/01/16 - 02/28/17	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0099 CENTS/KWH
04/01/16 - 04/30/16	PURCHASED POWER ADJUSTMENT	-0.0355 CENTS/KWH
04/01/16 - 04/30/16	SOLARSAVER ADJUSTMENT	-0.1835 CENTS/KWH
05/01/16 - 03/31/17	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/16 - 05/31/16	PURCHASED POWER ADJUSTMENT	0.0000 CENTS/KWH
06/01/16 - 06/30/16	PURCHASED POWER ADJUSTMENT	-0.0081 CENTS/KWH
06/01/16 - 05/31/17	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.4082 CENTS/KWH
07/01/16 - 04/30/17	PURCHASED POWER ADJUSTMENT	0.0000 CENTS/KWH
07/01/16 - 12/31/16	GREEN INFRASTRUCTURE FEE	1.13 DOLLARS/MONTH
07/01/16 - 06/30/17	RESID. PBF SURCHARGE ADJUSTMENT	0.5865 CENTS/KWH
01/01/17 - 06/30/17	GREEN INFRASTRUCTURE FEE	1.27 DOLLARS/MONTH
03/01/17 - 08/16/17	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0098 CENTS/KWH
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	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	PURCHASED POWER ADJUSTMENT	0.0094 CENTS/KWH
01/01/19	GREEN INFRASTRUCTURE FEE	1.35 DOLLARS/MONTH

~ 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**

