



FILED

November 28, 2018

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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 December 2018

Maui Electric Company, Limited's ("Maui Electric" or "Company") December 2018 Energy Cost Adjustment factor for our Maui Division is -2.401 cents per kilowatt-hour ("kWh"), a decrease of 0.043 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$179.65, a decrease of \$0.22 compared to rates effective November 1, 2018. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor.

The Company's Maui Division fuel composite cost of generation, central station and other increased 11.10 cents per million BTU to 1,745.63 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.288 cents per kWh to 17.935 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for December 2018 is -5.396 cents per kWh, an increase of 0.641 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$171.89, an increase of \$2.57 compared to rates effective November 1, 2018. The increase in the typical residential bill is due to the Energy Cost Adjustment factor.

The Company's Lāna'i Division fuel composite cost of generation, central station and other increased 56.16 cents per million BTU to 2,206.26 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.

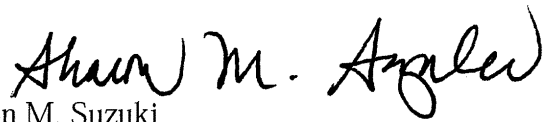
The Energy Cost Adjustment factor for our Moloka'i Division for December 2018 is -1.431 cents per kWh, an increase of 2.266 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$173.13, an increase of \$9.07 compared to rates effective November 1, 2018. The increase in the typical residential bill is due to the Energy Cost Adjustment factor.

The Honorable Chair and Members
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The Company's Moloka'i Division fuel composite cost of generation, central station and other increased 184.44 cents per million BTU to 2,039.71 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 December 1, 2018.

Sincerely,



Sharon M. Suzuki
President

Attachments

cc: Division of Consumer Advocacy

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

ENERGY COST ADJUSTMENT FACTOR

	EFFECTIVE DATES		
	<u>11/01/2018</u>	<u>12/01/2018</u>	<u>Change</u>
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,734.53	1,745.63	11.10
DG Energy, ¢/kWh	0.00	0.00	0.000
Purchased Energy, ¢/kWh	18.223	17.935	(0.288)
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(2.358)	(2.401)	(0.043)
<u>Others - "G,H,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(2.358)	(2.401)	(0.043)
<u>Residential Customer with</u>			
500 KWH Consumption, \$/Bill	179.87	179.65	(0.22)
600 KWH Consumption, \$/Bill	215.47	215.21	(0.26)

Supersedes Sheet Effective:

November 1, 2018

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

ENERGY COST ADJUSTMENT (ECA) FILING - December 1, 2018 (page 1 of 2)

Line

1 Effective Date December 1, 2018
2 Supercedes Factors of November 1, 2018

GENERATION COMPONENT

CENTRAL STATION					DG ENERGY COMPONENT		
FUEL PRICES, ¢/mmbtu							
3	Industrial			1,293.82			
4	Diesel			1,913.50			
5	Other						
BTU MIX, %							
6	Industrial			27.09%	23	COMPOSITE COST OF DG	
7	Diesel			72.91%		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))			1,745.63	25	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 23 x 24)	-
10	% Input to System kWh Mix			77.86%	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
		Eff Factor	Percent of	Weighted	29	Cost Less Base (Line 25 - 28)	0.00000
	<u>Fuel Type</u>	<u>mmbtu/kwh</u>	Centrl Stn +	<u>Eff Factor</u>	30	Loss Factor	1.063
11	Industrial	0.015126	Other	18.82	31	Revenue Tax Req Multiplier	1.0975
12	Diesel	0.010026		0.002847	32	DG FACTOR, ¢/kWh (Line 29 x 30 x 31)	0.00000
13	Other	0.010951		0.008139			
				-			
	(Lines 11, 12, 13): Col(B) x Col(C) = Col(D)						
14	Weighted Efficiency Factor, mmbtu/kWh [(lines 11(D) + 12(D) + 13(D))]			0.010986			
15	WEIGHTED COMPOSITE CENTRAL STATION + OTHER GENERATION COST, ¢/kWh (lines (9 x 10 x 14))			14.93159			
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))			(2.33750)			
21	Revenue Tax Req Multiplier			1.0975			
22	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (20 x 21))			(2.56541)			
					SUMMARY OF		
					TOTAL GENERATION FACTOR, ¢/kWh		
					33	CNTRL STN + OTHER (line 22)	(2.56541)
					34	DG (line 32)	-
					35	TOTAL GENERATION FACTOR, ¢/kWh (lines 33 + 34)	(2.56541)

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

ENERGY COST ADJUSTMENT (ECA) FILING - December 1, 2018 (page 2 of 2)

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

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>		
	PURCHASED ENERGY PRICE, ¢/kWh		
36	Kaheawa Wind I	- On Peak	13.676
37		- Off Peak	12.841
38	Kaheawa Wind II		19.533
39	Sempra Wind		21.869
40	Hydro & Other	- On Peak	18.180
41		- Off Peak	17.275
42	South Maui RR		11.060
43	Ku'ia Solar		11.060
44			
45			
46	FIT		21.458
	PURCHASED ENERGY KWH MIX, %		
47	Kaheawa Wind I	- On Peak	19.97%
48		- Off Peak	12.84%
49	Kaheawa Wind II		27.09%
50	Sempra Wind	- On Peak	32.03%
51	Hydro & Other	- On Peak	0.27%
52		- Off Peak	0.08%
53	South Maui RR		2.23%
54	Ku'ia Solar		2.20%
55			
56			
57	FIT		3.29%
			<u>100.00%</u>
58	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		17.935
	(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) + (46 x 57))		
59	% Input to System kWh Mix		22.14%
60	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (58 x 59))		3.97081
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))		0.50032
65	Loss Factor		1.063
66	Revenue Tax Req Multiplier		1.0975
67	PURCHASED ENERGY FACTOR, ¢/kWh (lines (64 x 65 x 66))		0.58369

<u>Line</u>	<u>SYSTEM COMPOSITE CALCULATIONS</u>		
68	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (35 + 67))		(1.98172)
69	ADJUSTMENT, ¢/kWh		
70	ECA Reconciliation Adjustment		(0.419)
71	ECA FACTOR, ¢/kWh (lines (68 + 69 + 70))		(2.401)

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

Fuel Oil Inventory Prices for December 2018

<u>TYPE OF OIL BURNED</u>	<u>PRICES \$/BBL</u>	<u>CONVERSION FACTORS</u>	<u>PRICES ¢/MBTU</u>
INDUSTRIAL	81.5106	6.30 MBTU/BBL	1,293.82
DIESEL/ULSD	112.0892	5.86 MBTU/BBL	1,913.50

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

Month End Fuel Oil Estimate

<u>Kahului</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
11/19/2018	50,803.08	320,059.40	4,084,781.05
Estimated Use	10,233.01	64,467.96	777,889.73
Estimated Received	0.00	0.00	0.00
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>40,570.07</u>	<u>255,591.44</u>	<u>3,306,891.32</u>
Next month's expense (\$/bbl) =		\$ 81.5106	

<u>Maalaea</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
11/19/2018	118,971.98	696,916.02	13,498,993.79
Estimated Use	31,887.47	186,790.94	3,654,227.29
Estimated Received	31,300.00	183,349.66	3,424,863.96
Estimated Additional	0.00	0.00	0.00
Estimated End	<u>118,384.51</u>	<u>693,474.74</u>	<u>13,269,630.46</u>
Next month's expense (\$/bbl) =		\$ 112.0892	

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

Contract Prices effective November 1, 2018

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
INDUSTRIAL		
Tax *	4.6593	73.96
Ocean Transportation	1.8529	29.41
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.3900	6.19
DIESEL		
Tax *	6.2361	106.42
Ocean Transportation	1.8529	31.62
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	13.676
- Off Peak, ¢/kWh	12.841

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 2018:

On-peak,	10.109
Off-peak, ¢/kwh	8.916

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

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

On-Peak Rate = $10.1090 \times 0.7 + 22.000 \times 0.3 = 13.676$

Off-Peak Rate = $8.916 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 12.841 \text{ ¢/kwh}$

MAUI ELECTRIC COMPANY, LTD.
Maui Division
ECA Reconciliation Adjustment
December 2018

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 (December 2018)	85,823 mwh
6. Adjustment (Line 4 ÷ Line 5)	(0.419) ¢/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)		
December					(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		
	11/01/18	12/01/18	11/01/18	12/01/18	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	0.0108	0.0099	0.0108	0.00
Energy Cost Adjustment	¢/kWh	-2.358	-2.401	-2.358	-0.22
Green Infrastructure Fee	\$	1.21	1.21	1.21	0.00
Avg Residential Bill at 500 kwh			179.87	179.65	
					Increase (Decrease -) -0.22
					% Change -0.12%

	Rate		Charge (\$) at 600 Kwh		
	11/01/18	12/01/18	11/01/18	12/01/18	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	0.0108	0.0099	0.0108	0.00
Energy Cost Adjustment	¢/kWh	-2.358	-2.401	-2.358	-0.26
Green Infrastructure Fee	\$	1.21	1.21	1.21	0.00
Avg Residential Bill at 600 kwh			215.47	215.21	
					Increase (Decrease -) -0.26
					% Change -0.12%

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

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR CENTS / KWH</u>		<u>RESIDENTIAL BILL (\$)</u>	
	<u>RESIDENTIAL & COMMERCIAL</u>		<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2016	-8.649		141.54	169.48
February 1, 2016	-10.511		132.58	158.73
March 1, 2016	-9.196		139.17	166.62
April 1, 2016	-8.768		140.37	168.08
May 1, 2016	-10.483		132.89	159.10
June 1, 2016	-8.170		143.47	171.79
July 1, 2016	-7.334		148.08	177.36
August 1, 2016	-6.973		149.89	179.52
September 1, 2016	-7.866		145.42	174.16
October 1, 2016	-8.162		143.94	172.39
November 1, 2016	-9.782		135.84	162.67
December 1, 2016	-9.069		139.41	166.95
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

**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	GREEN INFRASTRUCTURE FEE	1.21 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	PURCHASED POWER ADJUSTMENT	0.0099 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

