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April 26, 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 May 2018

Maui Electric Company, Limited's ("Maui Electric" or "Company") May 2018 Energy Cost Adjustment factor for our Maui Division is -4.510 cents per kilowatt-hour ("kWh"), an increase of 0.404 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$162.34, an increase of \$2.66 compared to rates effective April 1, 2018. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor (+\$2.02) and termination of the April 2018 credit for the SolarSaver adjustment (+\$0.64).

The Company's Maui Division fuel composite cost of generation, central station and other increased 125.61 cents per million BTU to 1,423.66 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.566 cents per kWh to 18.549 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for May 2018 is -7.716 cents per kWh, an increase of 1.425 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$156.26, an increase of \$6.21 compared to rates effective April 1, 2018. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor (+\$5.70) and termination of the April 2018 credit for the SolarSaver adjustment (+\$0.51).

The Company's Lāna'i Division fuel composite cost of generation, central station and other increased 137.58 cents per million BTU to 2,012.66 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 May 2018 is -5.031 cents per kWh, an increase of 0.944 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$152.76, an increase of \$4.29 compared to rates effective April 1, 2018. The increase in the typical residential bill is due to the

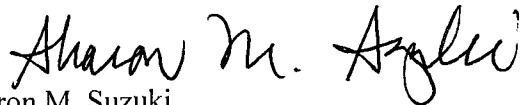
The Honorable Chair and Members  
of the Hawai'i Public Utilities Commission  
April 26, 2018  
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increase in the Energy Cost Adjustment factor (+\$3.78) and termination of the April 2018 credit for the SolarSaver adjustment (+\$0.51).

The Company's Moloka'i Division fuel composite cost of generation, central station and other increased 67.95 cents per million BTU to 1,740.15 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 May 1, 2018.

Sincerely,



Sharon M. Suzuki  
President

Attachments

cc: Division of Consumer Advocacy

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

**ENERGY COST ADJUSTMENT FACTOR**

	EFFECTIVE DATES		<u>Change</u>
	<u>04-01-18</u>	<u>05-01-18</u>	
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,875.08	2,012.66	137.58
DG Energy, ¢/kWh	0.00	0.00	0.00
Purchased Energy, ¢/kWh	30.00	30.00	0.00
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(9.141)	(7.716)	1.425
<u>Others - "G,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(9.141)	(7.716)	1.425
<u>Residential Customer with</u>			
400 KWH Consumption, \$/Bill	150.05	156.26	6.21
500 KWH Consumption, \$/Bill	186.64	194.41	7.77

Supersedes Sheet Effective:

April 1, 2018

MAUI ELECTRIC COMPANY, LTD.  
LANAI DIVISION

ENERGY COST ADJUSTMENT (ECA) FILING

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

Line

- 1 Effective Date May 1, 2018
- 2 Supercedes Factors of April 1, 2018

**GENERATION COMPONENT**

<b><u>CENTRAL STATION</u></b>						
FUEL PRICES, ¢/mmbtu						
3	Industrial					
					0.00	
4	Diesel - Miki Basin				1,951.10	
5	Diesel - Manele Bay				2,220.50	
6	Other				0.00	
BTU MIX, %						
7	Industrial				0.00%	
8	Diesel - Miki Basin				77.15%	
9	Diesel - Manele Bay				22.85%	
10	Other				0.00%	
					100.00%	
11	COMPOSITE COST OF GENERATION, CENTRAL STATION + OTHER ¢/mmbtu (Lines (3 x 7) + (4 x 8) + (5 x 9) + (6 x 10))				2,012.66	
12	% Input to System kWh Mix				93.48%	
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of			
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Centrl Stn +</u>	<u>Weighted</u>		
		<u>mmbtu/kwh</u>	<u>Other</u>	<u>Eff Factor</u>		
13	Industrial	0.000000	0.00	0.000000		
14	Diesel	0.011151	100.00	0.011151		
15	Other	0.011151	0.00	0.000000		
	(Lines 13, 14, 15): Col(B) x Col(C) = Col(D)					
16	Weighted Efficiency Factor, mmbtu/kWh [lines 13(D) + 14(D) + 15(D)]				0.011151	
17	WEIGHTED COMPOSITE CENTRAL STATION + OTHER GEN COST, ¢/kWh (lines (11 x 12 x 16))				20.97988	
18	BASE CENTRAL STATION + OTHER GENERATION COST, ¢/mmbtu				2,647.15	
19	Base % Input to Sys kWh Mix				89.65%	
20	Efficiency Factor, mmbtu/kwh				0.011151	
21	WEIGHTED BASE CENTRAL STATION + OTHER GENERATION COST ¢/kWh (lines (18 x 19 x 20))				26.46322	
22	COST LESS BASE (line(17 - 21))				(5.48334)	
23	Revenue Tax Req Multiplier				1.0975	
24	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (22 x 23))				-6.01797	
<b><u>DG ENERGY COMPONENT</u></b>						
25	COMPOSITE COST OF DG ENERGY, ¢/kWh				0.000	
26	% Input to System kWh Mix				0.00%	
27	WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 25 x 26)				0.00000	
28	BASE DG ENERGY COMP COST				0.000	
29	Base % Input to System kWh Mix				0.00%	
30	WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 28 x 29)				0.00000	
31	Cost Less Base (Line 27 - 30)				0.00000	
32	Loss Factor				1.0510	
33	Revenue Tax Req Multiplier				1.0975	
34	DG FACTOR, ¢/kWh (Line 31 x 32 x 33)				0.00000	
SUMMARY OF						
TOTAL GENERATION FACTOR, ¢/kWh						
35	CNTRL STN + OTHER (line 24)				(6.01797)	
36	DG (line 34)				-	
37	TOTAL GENERATION FACTOR, ¢/kWh (lines 35 + 36)				(6.01797)	

MAUI ELECTRIC COMPANY, LTD.  
LANAI DIVISION

ENERGY COST ADJUSTMENT (ECA) FILING

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

Line

1 Effective Date May 1, 2018  
2 Supercedes Factors of April 1, 2018

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>	
	PURCHASED ENERGY PRICE, ¢/kWh	
38	LANAI SOLAR RESEARCH - On Peak	30.000
39	- Off Peak	30.000
40	Sch Q	0.000
	PURCHASED ENERGY KWH MIX, %	
41	LANAI SOLAR RESEARCH - On Peak	100.00%
42	- Off Peak	0.00%
43	Sch Q	0.00%
44	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh (Lines (38 x 41) + (39 x 42) + (40 x 43))	30.000
45	% Input to System kWh Mix	6.52%
46	WEIGHTED COMP. PURCH. ENERGY COST, ¢/kWh (lines (44 x 45))	1.95600
47	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh	27.000
48	Base % Input to Sys kWh Mix	10.35
49	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (lines (47 x 48))	2.79450
50	COST LESS BASE(lines (46 - 49))	(0.83850)
51	Loss Factor	1.051
52	Revenue Tax Req Multiplier	1.0975
53	PURCHASED ENERGY FACTOR, ¢/kWh (lines (50 x 51 x 52))	(0.96719)

Line      SYSTEM COMPOSITE CALCULATIONS

54 GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (6.98516)  
(lines (37 + 53))  
55 Adjustment, ¢/kWh 0.000  
56 ECA Reconciliation Adjustment (0.731)  
57 ECA FACTOR, ¢/kWh (7.716)  
(lines (54 + 55 + 56))

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

**MONTH END FUEL OIL ESTIMATE**

<b><u>Miki Basin - ULSD</u></b>	<u>Barrels</u>	<u>MBTU</u>	<u>\$</u>
4/19/2018	2,469.33	14,149.32	263,285.84
Estimated Use	1,488.19	8,527.33	159,894.23
Estimated Received	1,095.24	6,275.73	119,881.90
Estimated Additional	1,157.47	6,632.28	138,264.47
Estimated End	3,233.85	18,530.00	361,537.98

Next Month's Combined Miki Expense (\$/bbl) = \$ 111.7980 /bbl

<b><u>Manele CHP</u></b>	<u>Barrels</u>	<u>MBTU</u>	<u>\$</u>
4/19/2018	193.81	1,110.53	23,463.67
Estimated Use	100.71	577.07	12,067.65
Estimated Received	-	-	-
Estimated Additional	864.67	4,954.54	110,464.94
Estimated End	957.77	5,488.00	121,860.96

Next Month's Manele Expense (\$/bbl) = \$ 127.2345 /bbl

**FUEL OIL INVENTORY PRICE USED FOR FILING**

<u>Type of Oil Burned</u>	<u>Price</u>	<u>Conversion Factor</u>	<u>Prices ¢/MBTU</u>
Diesel - Miki Basin	\$ 111.7980	5.73 BTU/BBL	1,951.10
Diesel - Manele Bay	\$ 127.2345	5.73 BTU/BBL	2,220.50

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

**Contract Prices effective April 1, 2018**

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
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**MIKI BASIN - ULTRA LOW SULFUR DIESEL (DYED)**

Tax *	1.6020	27.96
Ocean Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00

**MIKI BASIN - ULTRA LOW SULFUR DIESEL**

Tax *	11.8080	206.07
Ocean Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00

**MANELE BAY - ULTRA LOW SULFUR DIESEL**

Tax *	16.4368	286.86
Ocean Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00

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

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.**  
**Lanai Division**  
**ECA Reconciliation Adjustment**

**May 2018**

1. Amount to be refunded	(\$46,014)
2. Monthly amount (1 / 3 X Line 1)	(\$15,338)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$16,834)
5. Estimated Sales (May 2018)	2,303 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.731 ¢/kwh



**MAUI ELECTRIC COMPANY, LTD.  
LANAI DIVISION  
2018 FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY  
(Thousand \$)**

<u>Line</u>	Without Deadband 1st Quarter YTD Total	collection by company*	Basis for Recon With Deadband 1st Quarter YTD Total	collection by company*
<b>ACTUAL COSTS:</b>				
1	Generation		\$1,485.9	\$1,485.9
2	Distributed Generation		\$0.0	\$0.0
3	Purch Power		\$70.4	\$70.4
4	<b>TOTAL</b>		\$1,556.3	\$1,556.3
<b>FUEL FILING COST</b>				
5	Generation		\$1,490.3	\$1,486.1
6	Distributed Generation		\$0.0	\$0.0
7	Purch Power		\$70.4	\$70.4
8	<b>TOTAL</b>		\$1,560.6	\$1,556.5
<b>BASE FUEL COST</b>				
9	Generation		\$2,022.0	\$2,022.0
10	Distributed Generation		\$0.0	\$0.0
11	Purch Power		\$65.4	\$65.4
12	<b>TOTAL</b>		\$2,087.4	\$2,087.4
13	FUEL-BASE COST (Line 8-12)		-\$526.8	-\$530.9
14	ACTUAL FOA LESS TAX		-\$530.6	-\$530.6
15	FOA reconciliation adj for prior year		-\$45.7	-\$45.7
16	ADJUSTED FOA LESS TAX		-\$484.9	-\$484.9
17	FOA-(FUEL-BASE) (Line 16-13)	\$41.9 Over	\$46.0 Over	
<b>ADJUSTMENTS</b>				
18	Current year FOA accrual reversal		\$0.0	\$0.0
19	Other prior year FOA		\$0.0	\$0.0
20	Other		\$0.0	\$0.0
21	1st QUARTER FOA RECONCILIATION (Lines 17+18+19+20)	\$41.9 Over	\$46.0 Over	
22	2017 FOA Reconciliation Recognized in FOA Rates		\$0.0	
23	FOA Reconciliation to be Refunded May 2018 to July 2018 (Line 22- 21)		-\$46.0	Refunded

\* Over means an over-collection by the company.  
Under means an under-collection by the company.

**MAUI ELECTRIC COMPANY, LTD.  
LANAI DIVISION  
DEADBAND CALCULATION**

Determination of Efficiency Factor to use for Cost-Recovery Purposes

Period: January 1, 2018 through March 31, 2018

	<u>Notes</u>	<u>Jan 1 - Mar 31</u>
<b><u>Diesel</u></b>		
Diesel Efficiency Factor (TY2009), BTU/kWh	f	11,151
Diesel Deadband Definition, +/- BTU/kWh	d	<b>50</b>
Diesel Portion of Recorded Sales, MWh	a	6,878
Diesel Consumption (Recorded), MMBTU	b	76,477
Diesel Efficiency Factor (Recorded), BTU/kWh	c = (b/a)*1000	11,120
Lower limit of Diesel Deadband, BTU/kWh	e = f-d	11,101
Higher limit of Diesel Deadband, BTU/kWh	g = f+d	11,201
Diesel Efficiency Factor for cost-recovery, BTU/kWh	h = c, e, or g	<b>11,120</b>

**MAUI ELECTRIC COMPANY, LTD.  
LANAI DIVISION  
GENERATION FUEL FILING COST AND GENERATION BASE FUEL COST, WITHOUT and WITH DEADBAND  
2018**

	<b>Without Deadband</b>	<b>With Deadband - AS FILED</b>
	<u>Jan 1 - Mar 31</u>	<u>Jan 1 - Mar 31</u>
Diesel Portion of Recorded Sales, MWH	6,878	6,878
Diesel Sales Efficiency Factor (mmbtu/kwh)	0.011151	0.011120
Mmbtu adjusted for Sales Efficiency Factor	76,692	76,479
\$/mmbtu	<u>\$19.4316</u>	<u>\$19.4316</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$1,490.3	\$1,486.1
TOTAL GENERATION FUEL FILING COST, \$000s	\$1,490.3	\$1,486.1
TOTAL GENERATION BASE FUEL COST , \$000s YTD	\$2,022.0	\$2,022.0
TOTAL GENERATION FUEL FILING COST, \$000s YTD	\$1,490.3	\$1,486.1
TOTAL GENERATION BASE FUEL COST, \$000s YTD	\$2,022.0	\$2,022.0

**MAUI ELECTRIC COMPANY, LTD.  
LANAI 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					(14,700)	(15,711)	12,481
January '18					(14,700)	(16,163)	(3,682)
February	46,500	(4)	(2,214)	48,714	(15,500)	(16,173)	28,859
March					(15,500)	(17,469)	11,390
April					(15,500)		
May	46,014	(4)	(4,105)	50,119	(15,338)		

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 13)  
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.  
Lanai Division  
Calculations of the Average Residential Customer Bill**

	Rate		Charge (\$) at 400 Kwh			
	04-01-18	05-01-18	04-01-18	05-01-18	Difference	
<b>Base Rates</b>	effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	32.2668	32.2668	129.07	129.07	0.00
Non-fuel Fuel Energy Charge						
First 250 kWhr per month	¢/kWh	9.1240	9.1240	22.81	22.81	0.00
Next 500 kWhr per month	¢/kWh	11.6240	11.6240	17.44	17.44	0.00
Customer Charge	\$	8.50	8.50	8.50	8.50	0.00
<b>Total Base Charges</b>				177.82	177.82	0.00
<b>IRP Refund</b>	% on base	0.0000	0.0000	0.00	0.00	0.00
<b>Revenue Balancing Rate Adjustment</b>	¢/kWh	1.5654	1.5654	6.26	6.26	0.00
<b>PBF Surcharge</b>	¢/kWh	0.4244	0.4244	1.70	1.70	0.00
<b>Renewable Energy Infrastructure Cost</b>						
<b>Recovery Provision</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	-0.1278	0.0000	-0.51	0.00	0.51
<b>Energy Cost Adjustment</b>	¢/kWh	-9.141	-7.716	-36.56	-30.86	5.70
<b>Green Infrastructure Fee</b>	\$	1.34	1.34	1.34	1.34	0.00
<b>Avg Residential Bill at 400 kwh</b>				150.05	156.26	
				Increase (Decrease -)		6.21
				% Change		4.14%

	Rate		Charge (\$) at 500 Kwh			
	04-01-18	05-01-18	04-01-18	05-01-18	Difference	
<b>Base Rates</b>	effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	32.2668	32.2668	161.33	161.33	0.00
Non-fuel Fuel Energy Charge						
First 250 kWhr per month	¢/kWh	9.1240	9.1240	22.81	22.81	0.00
Next 500 kWhr per month	¢/kWh	11.6240	11.6240	29.06	29.06	0.00
Customer Charge	\$	8.50	8.50	8.50	8.50	0.00
<b>Total Base Charges</b>				221.70	221.70	0.00
<b>IRP Refund</b>	% on base	0.0000	0.0000	0.00	0.00	0.00
<b>Revenue Balancing Rate Adjustment</b>	¢/kWh	1.5654	1.5654	7.83	7.83	0.00
<b>PBF Surcharge</b>	¢/kWh	0.4244	0.4244	2.12	2.12	0.00
<b>Renewable Energy Infrastructure Cost</b>						
<b>Recovery Provision</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	-0.1278	0.0000	-0.64	0.00	0.64
<b>Energy Cost Adjustment</b>	¢/kWh	-9.141	-7.716	-45.71	-38.58	7.13
<b>Green Infrastructure Fee</b>	\$	1.34	1.34	1.34	1.34	0.00
<b>Avg Residential Bill at 500 kwh</b>				186.64	194.41	
				Increase (Decrease -)		7.77
				% Change		4.16%

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

<u>EFFECTIVE DATE</u>	FUEL FACTOR CENTS / KWH		RESIDENTIAL BILL (\$)
	<u>RESIDENTIAL &amp; COMMERCIAL</u>	<u>RESIDENTIAL @ 400 KWH @ 500 KWH</u>	
January 1, 2016	-12.957	135.62	168.62
February 1, 2016	-14.236	130.51	162.23
March 1, 2016	-15.833	124.12	154.24
April 1, 2016	-15.204	125.90	156.47
May 1, 2016	-13.856	132.03	164.13
June 1, 2016	-12.617	136.22	169.37
July 1, 2016	-11.833	139.64	173.68
August 1, 2016	-12.201	138.17	171.84
September 1, 2016	-12.634	136.43	169.68
October 1, 2016	-12.723	136.08	169.23
November 1, 2016	-12.595	136.59	169.87
December 1, 2016	-11.160	142.33	177.05
January 1, 2017	-11.861	139.67	173.68
February 1, 2017	-11.218	142.24	176.90
March 1, 2017	-10.975	143.21	178.11
April 1, 2017	-10.875	143.06	177.92
May 1, 2017	-11.993	139.14	173.02
June 1, 2017	-11.149	143.14	178.03
July 1, 2017	-11.181	142.28	176.97
August 1, 2017	-11.659	140.36	174.58
September 1, 2017	-10.389	145.40	180.88
October 1, 2017	-10.059	150.05	186.64
November 1, 2017	-8.264	153.90	191.51
December 1, 2017	-9.353	149.55	186.06
January 1, 2018	-8.358	153.69	191.20
February 1, 2018	-8.395	153.54	191.01
March 1, 2018	-7.868	155.65	193.65
April 1, 2018	-9.141	150.05	186.64
May 1, 2018	-7.716	156.26	194.41

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
01/01/11 - 12/31/11	RESID. PBF SURCHARGE ADJUSTMENT	0.5944 CENTS/KWH
<b>06/01/11</b>	<b>IRP RECOVERY REFUND</b>	<b>0.000 PERCENT ON BASE</b>
<b>08/01/13</b>	<b>FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (2012 TEST YEAR)</b>	
01/01/16 - 06/30/16	GREEN INFRASTRUCTURE FEE	1.3000 DOLLARS/MONTH
03/01/16 - 02/28/17	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0099 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
06/01/16 - 05/31/17	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.4082 CENTS/KWH
07/01/16 - 06/30/17	RESID. PBF SURCHARGE ADJUSTMENT	0.5865 CENTS/KWH
07/01/16 - 12/31/16	GREEN INFRASTRUCTURE FEE	1.13 DOLLARS/MONTH
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 - 03/31/18	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
<b>06/01/17</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>1.5654 CENTS/KWH</b>
07/01/17 - 12/31/17	GREEN INFRASTRUCTURE FEE	1.18 DOLLARS/MONTH
<b>07/01/17</b>	<b>RESID. PBF SURCHARGE ADJUSTMENT</b>	<b>0.4244 CENTS/KWH</b>
<b>08/17/17</b>	<b>RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION</b>	<b>0.0000 CENTS/KWH</b>
<b>01/01/18</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.34 DOLLARS/MONTH</b>
04/01/18 - 04/30/18	SOLARSAVER ADJUSTMENT	1.3400 CENTS/KWH
<b>05/01/18</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>

~ Surcharges currently in effect are in bold.

~ Base charges include customer charge, demand charge, energy charge, power factor adjustment, voltage discount and minimum charge.