



FILED

September 29, 2017

2017 SEP 29 P 4 16

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 October 2017 (REVISED 9/29/2017)

Maui Electric Company, Limited ("Maui Electric" or "Company") hereby resubmits its October 2017 Energy Cost Adjustment filing to correct the calculations of the typical residential bills for September 2017 and October 2017. There are no changes to the energy cost adjustment factors for September 2017 and October 2017 as filed on August 29, 2017 and September 27, 2017, respectively.

The Company's Energy Cost Adjustment factor for our Maui Division for October 2017 is -7.391 cents per kilowatt-hour ("kWh"), an increase of 1.887 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$147.64, an increase of \$9.45 compared to rates effective September 1, 2017. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor (+\$9.44) and the increase in the Purchased Power Adjustment Clause rate (+\$0.01).

The Company's Maui Division fuel composite cost of generation, central station and other increased 158.10 cents per million BTU to 1,215.14 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.097 cents per kWh to 18.050 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for October 2017 is -10.059 cents per kWh, an increase of 0.330 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$146.72, an increase of \$1.32 compared to rates effective September 1, 2017. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor.

The Company's Lāna'i Division fuel composite cost of generation, central station and other increased 30.87 cents per million BTU to 1,744.93 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy is 27.000 cents per kWh.

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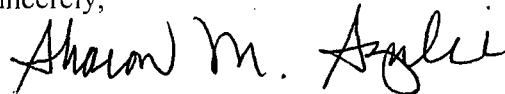
The Energy Cost Adjustment factor for our Moloka'i Division for October 2017 is -9.093 cents per kWh, an increase of 1.599 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$136.35, an increase of \$6.40 compared to rates effective September 1, 2017. The increase in the typical residential bill is due to the increase in the Energy Cost Adjustment factor.

The Company's Moloka'i Division fuel composite cost of generation, central station and other increased 130.79 cents per million BTU to 1,398.62 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 October 1, 2017.

For the Commission's convenience, Maui Electric is refiling all of the attachments included in the September 27, 2017 filing. The revised attachments are notated with "Revised 9/29/2017" in the headers; the other attachments are unchanged.

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>09-01-17</u>	<u>10-01-17</u>	
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,714.06	1,744.93	30.87
DG Energy, ¢/kWh	0.00	0.00	0.00
Purchased Energy, ¢/kWh	27.00	27.00	0.00
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(10.389)	(10.059)	0.330
<u>Others - "G,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(10.389)	(10.059)	0.330
<u>Residential Customer with</u>			
400 KWH Consumption, \$/Bill	145.40 <sup>1</sup>	146.72 <sup>1</sup>	1.32
500 KWH Consumption, \$/Bill	180.88 <sup>1</sup>	182.53 <sup>1</sup>	1.65

<sup>1</sup> Reflects correction to the typical residential bill calculation.

Supersedes Sheet Effective:

September 1, 2017

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

**ENERGY COST ADJUSTMENT (ECA) FILING**

ENERGY COST ADJUSTMENT (ECA) FILING - October 1, 2017 (page 1 of 2)

Line

- 1 Effective Date                     October 1, 2017  
2 Supercedes Factors of         September 1, 2017

**GENERATION COMPONENT**

<b><u>CENTRAL STATION</u></b>						
FUEL PRICES, ¢/mmbtu						
3	Industrial					
					0.00	
4	Diesel - Miki Basin				1,698.82	
5	Diesel - Manele Bay				1,973.77	
6	Other				0.00	
BTU MIX, %						
7	Industrial				0.00%	
8	Diesel - Miki Basin				83.23%	
9	Diesel - Manele Bay				16.77%	
10	Other				0.00%	
					<u>100.00%</u>	
11	COMPOSITE COST OF GENERATION, CENTRAL STATION + OTHER ¢/mmbtu				1,744.93	
	(Lines (3 x 7) + (4 x 8) + (5 x 9) + (6 x 10))					
12	% Input to System kWh Mix				90.37%	
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))				17.58394	
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))				(8.87928)	
23	Revenue Tax Req Multiplier				1.0975	
24	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (22 x 23))				-9.74501	
<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)					(9.74501)
36	DG (line 34)					-
37	TOTAL GENERATION FACTOR, ¢/kWh (lines 35 + 36)					(9.74501)

MAUI ELECTRIC COMPANY, LTD.  
LANAI DIVISION

ENERGY COST ADJUSTMENT (ECA) FILING

ENERGY COST ADJUSTMENT (ECA) FILING - October 1, 2017 (page 2 of 2)

Line

1 Effective Date October 1, 2017  
2 Supercedes Factors of September 1, 2017

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>	
	PURCHASED ENERGY PRICE, ¢/kWh	
38	LANAI SOLAR RESEARCH - On Peak	27.000
39	- Off Peak	27.000
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))	27.000
45	% Input to System kWh Mix	9.63%
46	WEIGHTED COMP. PURCH. ENERGY COST, ¢/kWh (lines (44 x 45))	2.60010
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))	(0.19440)
51	Loss Factor	1.051
52	Revenue Tax Req Multiplier	1.0975
53	PURCHASED ENERGY FACTOR, ¢/kWh (lines (50 x 51 x 52))	(0.22424)

Line      SYSTEM COMPOSITE CALCULATIONS

54 GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (9.96925)  
(lines (37 + 53))  
55 Adjustment, ¢/kWh 0.000  
56 ECA Reconciliation Adjustment (0.090)  
57 ECA FACTOR, ¢/kWh (10.059)  
(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>
9/20/2017	3,787.98	21,705.07	366,012.48
Estimated Use	1,171.98	6,715.45	111,750.38
Estimated Received	833.33	4,774.98	81,504.51
Estimated Additional	-	-	-
Estimated End	<u>3,449.33</u>	<u>19,764.60</u>	<u>335,766.61</u>

Next Month's Combined Miki Expense (\$/bbl) = \$ 97.3426 /bbl

<b><u>Manele CHP</u></b>	<u>Barrels</u>	<u>MBTU</u>	<u>\$</u>
9/20/2017	164.90	944.88	18,269.62
Estimated Use	254.98	1,461.04	27,340.06
Estimated Received	321.43	1,841.79	33,815.82
Estimated Additional	462.19	2,648.37	53,692.52
Estimated End	<u>693.54</u>	<u>3,974.00</u>	<u>78,437.90</u>

Next Month's Manele Expense (\$/bbl) = \$ 113.0973 /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	\$ 97.3426	5.73 BTU/BBL	1,698.82
Diesel - Manele Bay	\$ 113.0973	5.73 BTU/BBL	1,973.77

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

**Contract Prices effective September 1, 2017**

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

Tax *	1.6002	27.93
Ocean Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00

**MIKI BASIN - ULTRA LOW SULFUR DIESEL**

Tax *	11.8062	206.04
Ocean Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00

**MANELE BAY - ULTRA LOW SULFUR DIESEL**

Tax *	15.9497	278.35
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**

**October 2017**

1. Amount to be refunded	(\$5,800)
2. Monthly amount (1 / 3 X Line 1)	(\$1,933)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$2,121)
5. Estimated Sales (October 2017)	2,350 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.090 ¢/kwh



**MAUI ELECTRIC COMPANY, LTD.  
LANAI DIVISION  
2017 Cumulative Reconciliation Balance**

<u>Month</u>	<u>(1)</u> YTD FOA Reconciliation	<u>Qtr</u>	<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
December '16					(3,767)	(4,443)	1,351
January '17					(3,767)	(3,949)	(2,598)
February	17,200	(4)	(2,409)	19,609	(5,733)	(6,375)	10,636
March					(5,733)	(6,727)	3,909
April					(5,733)	(6,537)	(2,628)
May	19,800	(1)	(1,818)	21,618	(6,600)	(7,182)	11,808
June					(6,600)	(7,559)	4,249
July					(6,600)	(7,242)	(2,993)
August	5,800	(2)	(2,345)	8,145	(1,933)	(2,207)	2,945
September					(1,933)		
October					(1,933)		

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			
	09/01/17	10/01/17	09-01-17	10-01-17	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 kWh per month	¢/kWh	9.1240	9.1240	22.81	22.81	0.00
Next 500 kWh 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 Recovery Provision</b>	¢/kWh	0.0000 <sup>1</sup>	0.0000 <sup>1</sup>	0.00	0.00	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Adjustment</b>	¢/kWh	-10.3890	-10.0590	-41.56	-40.24	1.32
<b>Green Infrastructure Fee</b>	\$	1.1800	1.1800	1.18	1.18	0.00
<b>Avg Residential Bill at 400 kwh</b>			145.40	146.72		

Increase (Decrease -)	1.32
% Change	0.91%

	Rate		Charge (\$) at 500 Kwh			
	09/01/17	10/01/17	09-01-17	10-01-17	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 kWh per month	¢/kWh	9.1240	9.1240	22.81	22.81	0.00
Next 500 kWh 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 Recovery Provision</b>	¢/kWh	0.0000 <sup>1</sup>	0.0000 <sup>1</sup>	0.00	0.00	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Adjustment</b>	¢/kWh	-10.3890	-10.0590	-51.95	-50.30	1.65
<b>Green Infrastructure Fee</b>	\$	1.1800	1.1800	1.18	1.18	0.00
<b>Avg Residential Bill at 500 kwh</b>			180.88	182.53		

Increase (Decrease -)	1.65
% Change	0.91%

<sup>1</sup> Reflects updated REIP rate.

**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>@ 400 KWH</u>	<u>@ 400 KWH</u>	<u>@ 500 KWH</u>
January 1, 2015	-4.698	169.85	169.85	211.41
February 1, 2015	-7.361	159.20	159.20	198.09
March 1, 2015	-8.793	153.47	153.47	190.93
April 1, 2015	-6.831	160.22	160.22	199.37
May 1, 2015	-9.750	149.64	149.64	186.15
June 8, 2015	-8.842	153.16	153.16	190.56
July 1, 2015	-7.314	158.27	158.27	196.91
August 1, 2015	-8.457	153.70	153.70	191.19
September 1, 2015	-10.465	145.71	145.71	181.20
October 1, 2015	-12.259	138.53	138.53	172.23
November 1, 2015	-12.177	138.86	138.86	172.64
December 1, 2015	-11.304	142.35	142.35	177.01
January 1, 2016	-12.957	135.62	135.62	168.62
February 1, 2016	-14.236	130.51	130.51	162.23
March 1, 2016	-15.833	124.12	124.12	154.24
April 1, 2016	-15.204	125.90	125.90	156.47
May 1, 2016	-13.856	132.03	132.03	164.13
June 1, 2016	-12.617	136.22	136.22	169.37
July 1, 2016	-11.833	139.64	139.64	173.68
August 1, 2016	-12.201	138.17	138.17	171.84
September 1, 2016	-12.634	136.43	136.43	169.68
October 1, 2016	-12.723	136.08	136.08	169.23
November 1, 2016	-12.595	136.59	136.59	169.87
December 1, 2016	-11.160	142.33	142.33	177.05
January 1, 2017	-11.861	139.67	139.67	173.68
February 1, 2017	-11.218	142.24	142.24	176.90
March 1, 2017	-10.975	143.21	143.21	178.11
April 1, 2017	-10.875	143.06	143.06	177.92
May 1, 2017	-11.993	139.14	139.14	173.02
June 1, 2017	-11.149	143.14	143.14	178.03
July 1, 2017	-11.181	142.28	142.28	176.97
August 1, 2017	-11.659	140.36	140.36	174.58
September 1, 2017	-10.389	145.40 <sup>1</sup>	145.40 <sup>1</sup>	180.88 <sup>1</sup>
October 1, 2017	-10.059	146.72 <sup>1</sup>	146.72 <sup>1</sup>	182.53 <sup>1</sup>

<sup>1</sup> Reflects correction to the typical residential bill calculation.

**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>	
04/01/15 - 04/30/15	SOLARSAVER ADJUSTMENT	-0.2744 CENTS/KWH
05/01/15 - 03/31/16	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/15 - 06/07/15	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.0000 CENTS/KWH
06/08/15 - 05/31/16	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.5987 CENTS/KWH
07/01/15 - 06/30/16	RESID. PBF SURCHARGE ADJUSTMENT	0.4749 CENTS/KWH
07/01/15 - 12/31/15	GREEN INFRASTRUCTURE FEE	1.42 DOLLARS/MONTH
08/17/15 - 02/29/16	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0103 CENTS/KWH
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	0.01 CENTS/KWH
04/01/17 - 04/30/17	SOLARSAVER ADJUSTMENT	-0.1378 CENTS/KWH
<b>05/01/17</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
<b>06/01/17</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>1.5654 CENTS/KWH</b>
<b>07/01/17</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.18 DOLLARS/MONTH</b>
<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>

~ Surcharges currently in effect are in bold.

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