



FILED

April 26, 2017

2017 APR 26 P 4: 08

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 May 2017

Maui Electric Company, Limited's ("Maui Electric" or "Company") May 2017 energy cost adjustment factor for our Maui Division is -7.998 cents per kilowatt-hour ("kWh"), a decrease of 2.228 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$144.79, a decrease of \$10.56 compared to rates effective April 1, 2017. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$11.14) and the Purchased Power Adjustment Clause rate (-\$0.11), partly offset by the termination of the April 2017 credit for the SolarSaver Adjustment (+\$0.69).

The Company's Maui Division fuel composite cost of generation, central station and other decreased 111.20 cents per million BTU to 1,066.64 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy increased 0.884 cents per kWh to 20.127 cents per kWh.

The energy cost adjustment factor for our Lāna'i Division for May 2017 is -11.993 cents per kWh, a decrease of 1.118 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$139.14, a decrease of \$3.92 compared to rates effective April 1, 2017. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$4.47), partly offset by the termination of the April 2017 credit for the SolarSaver Adjustment (+\$0.55).

The Company's Lāna'i Division fuel composite cost of generation, central station and other decreased 93.20 cents per million BTU to 1,606.82 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.

The energy cost adjustment factor for our Moloka'i Division for May 2017 is -8.851 cents per kWh, a decrease of 0.419 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$137.47, a decrease of \$1.12 compared to rates effective April 1, 2017. The decrease in the typical residential bill is due to

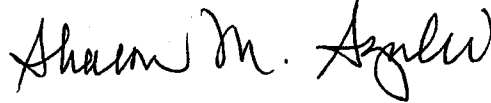
The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
April 26, 2017
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the decrease in the energy cost adjustment factor (-\$1.67), partly offset by the termination of the April 2017 credit for the SolarSaver Adjustment (+\$0.55).

The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 18.51 cents per million BTU to 1,417.57 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, 2017.

Sincerely,



Sharon M. Suzuki
President

Attachments

cc: Division of Consumer Advocacy

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

ENERGY COST ADJUSTMENT FACTOR

	EFFECTIVE DATES		
	<u>04-01-17</u>	<u>05-01-17</u>	<u>Change</u>
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,700.02	1,606.82	(93.20)
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	(10.875)	(11.993)	(1.118)
<u>Others - "G,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(10.875)	(11.993)	(1.118)
<u>Residential Customer with</u>			
400 KWH Consumption, \$/Bill	143.06	139.14	(3.92)
500 KWH Consumption, \$/Bill	177.92	173.02	(4.90)

Supersedes Sheet Effective:

April 1, 2017

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

ENERGY COST ADJUSTMENT (ECA) FILING

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

Line

- 1 Effective Date May 1, 2017
- 2 Supersedes Factors of April 1, 2017

GENERATION COMPONENT

CENTRAL STATION						
FUEL PRICES, ¢/mmbtu						
3	Industrial			0.00		
4	Diesel - Miki Basin			1,606.82		
5	Diesel - Manele Bay			0.00		
6	Other			0.00		
BTU MIX, %						
7	Industrial			0.00%		
8	Diesel - Miki Basin			100.00%		
9	Diesel - Manele Bay ¹			0.00%		
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))			1,606.82		
12	% Input to System kWh Mix			91.89%		
EFFICIENCY FACTOR, mmbtu/kWh						
	(A)	(B)	(C)	(D)		
			Percent of			
	Fuel Type	Eff Factor mmbtu/kwh	Centrl Stn + Other	Weighted Eff Factor		
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))			16.46453		
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))			(9.99869)		
23	Revenue Tax Req Multiplier			1.0975		
24	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (22 x 23))			-10.97356		
					DG ENERGY COMPONENT	
	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)		(10.97356)		
	36	DG (line 34)		-		
	37	TOTAL GENERATION FACTOR, ¢/kWh (lines 35 + 36)		(10.97356)		

¹ The Manele CHP experienced a catastrophic fire on March 6, 2015. Its return to service is undetermined at this time.

MAUI ELECTRIC COMPANY, LTD.
LANAI DIVISION

ENERGY COST ADJUSTMENT (ECA) FILING

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

<u>Line</u>		
1	Effective Date	May 1, 2017
2	Supersedes Factors of	April 1, 2017

<u>Line</u>	PURCHASED ENERGY COMPONENT	
	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	8.11%
46	WEIGHTED COMP. PURCH. ENERGY COST, ¢/kWh (lines (44 x 45))	2.18970
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))	(0.60480)
51	Loss Factor	1.051
52	Revenue Tax Req Multiplier	1.0975
53	PURCHASED ENERGY FACTOR, ¢/kWh (lines (50 x 51 x 52))	(0.69762)

<u>Line</u>	SYSTEM COMPOSITE CALCULATIONS	
54	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (37 + 53))	(11.67118)
55	Adjustment, ¢/kWh	0.000
56	ECA Reconciliation Adjustment	(0.322)
57	ECA FACTOR, ¢/kWh (lines (54 + 55 + 56))	(11.993)

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

MONTH END FUEL OIL ESTIMATE

<u>Miki Basin - ULSD</u>	<u>Barrels</u>	<u>MBTU</u>	<u>\$</u>
4/18/2017	4,352.43	24,939.43	410,482.89
Estimated Use	1,720.10	9,856.17	167,556.91
Estimated Received	1,571.43	9,004.29	144,118.36
Estimated Additional	-	-	-
Estimated End	4,203.76	24,087.55	387,044.34

Next Month's Combined Miki Expense (\$/bbl) = \$ 92.0710 /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	\$ 92.0710	5.73 BTU/BBL	1,606.82

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

Contract Prices effective April 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

* 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 2017

1. Amount to be refunded	(\$19,800)
2. Monthly amount (1 / 3 X Line 1)	(\$6,600)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$7,244)
5. Estimated Sales (May 2017)	2,250 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.322 ¢/kwh

**MAUI ELECTRIC COMPANY, LTD.
LANAI DIVISION
2017 FUEL OIL ADJUSTMENT RECONCILIATION SUMMARY
(Thousand \$)**

<u>Line</u>	Without Deadband 1st Quarter <u>YTD Total</u>	collection by <u>company*</u>	Basis for Recon With Deadband 1st Quarter <u>YTD Total</u>	collection by <u>company*</u>
ACTUAL COSTS:				
1	\$1,159.4		\$1,159.4	
2	\$0.0		\$0.0	
3	<u>\$148.1</u>		<u>\$148.1</u>	
4	\$1,307.5		\$1,307.5	
FUEL FILING COST				
5	\$1,226.7		\$1,221.2	
6	\$0.0		\$0.0	
7	<u>\$148.1</u>		<u>\$148.1</u>	
8	\$1,374.8		\$1,369.3	
BASE FUEL COST				
9	\$1,963.8		\$1,963.8	
10	\$0.0		\$0.0	
11	<u>\$154.3</u>		<u>\$154.3</u>	
12	\$2,118.1		\$2,118.1	
13	-\$743.3		-\$748.8	
14	-\$744.2		-\$744.2	
15	<u>-\$15.2</u>		<u>-\$15.2</u>	
16	-\$729.0		-\$729.0	
17	\$14.3	Over	\$19.8	Over
ADJUSTMENTS				
18	\$0.0		\$0.0	
19	\$0.0		\$0.0	
20	<u>\$0.0</u>		<u>\$0.0</u>	
21	\$14.3	Over	\$19.8	Over
22			<u>\$0.0</u>	
23			<u><u>-\$19.8</u></u>	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, 2017 through March 31, 2017

	<u>Notes</u>	<u>Jan 1 - Mar 31</u>
<u>Diesel</u>		
Diesel Efficiency Factor (TY2009), BTU/kWh	f	11,151
Diesel Deadband Definition, +/- BTU/kWh	d	50
Diesel Portion of Recorded Sales, MWh	a	6,680
Diesel Consumption (Recorded), MMBTU	b	70,382
Diesel Efficiency Factor (Recorded), BTU/kWh	c = (b/a)*1000	10,537
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	11,101

**MAUI ELECTRIC COMPANY, LTD.
LANAI DIVISION
GENERATION FUEL FILING COST AND GENERATION BASE FUEL COST, WITHOUT and WITH DEADBAND
2017**

	<u>Without Deadband</u>	<u>With Deadband - AS FILED</u>
	<u>Jan 1 - Mar 31</u>	<u>Jan 1 - Mar 31</u>
Diesel Portion of Recorded Sales, MWH	6,680	6,680
Diesel Sales Efficiency Factor (mmbtu/kwh)	0.011151	0.011101
Mmbtu adjusted for Sales Efficiency Factor	74,483	74,149
\$/mmbtu	<u>\$16.4701</u>	<u>\$16.4701</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$1,226.7	\$1,221.2
TOTAL GENERATION FUEL FILING COST, \$000s	\$1,226.7	\$1,221.2
TOTAL GENERATION BASE FUEL COST , \$000s YTD	\$1,963.8	\$1,963.8
TOTAL GENERATION FUEL FILING COST, \$000s YTD	\$1,226.7	\$1,221.2
TOTAL GENERATION BASE FUEL COST, \$000s YTD	\$1,963.8	\$1,963.8

**MAUI ELECTRIC COMPANY, LTD.
LANAI DIVISION
2017 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 '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)		
May	19,800	(1)	(1,818)	21,618	(6,600)		

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			
	04-01-17	05-01-17	04-01-17	05-01-17	Difference	
Base Rates	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
Total Base Charges				177.82	177.82	0.00
IRP Refund	% on base	0.0000	0.0000	0.00	0.00	0.00
Revenue Balancing Rate Adjustment	¢/kWh	1.4082	1.4082	5.63	5.63	0.00
PBF Surcharge	¢/kWh	0.5865	0.5865	2.35	2.35	0.00
Renewable Energy Infrastructure Cost						
Recovery Provision	¢/kWh	0.0098	0.0098	0.04	0.04	0.00
SolarSaver Adjustment	¢/kWh	-0.1378	0.0000	-0.55	0.00	0.55
Energy Cost Adjustment	¢/kWh	-10.875	-11.993	-43.50	-47.97	-4.47
Green Infrastructure Fee	\$	1.27	1.27	1.27	1.27	0.00
Avg Residential Bill at 400 kwh				143.06	139.14	

Increase (Decrease -)	-3.92
% Change	-2.74%

	Rate		Charge (\$) at 500 Kwh			
	04-01-17	05-01-17	04-01-17	05-01-17	Difference	
Base Rates	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
Total Base Charges				221.70	221.70	0.00
IRP Refund	% on base	0.0000	0.0000	0.00	0.00	0.00
Revenue Balancing Rate Adjustment	¢/kWh	1.4082	1.4082	7.04	7.04	0.00
PBF Surcharge	¢/kWh	0.5865	0.5865	2.93	2.93	0.00
Renewable Energy Infrastructure Cost						
Recovery Provision	¢/kWh	0.0098	0.0098	0.05	0.05	0.00
SolarSaver Adjustment	¢/kWh	-0.1378	0.0000	-0.69	0.00	0.69
Energy Cost Adjustment	¢/kWh	-10.875	-11.993	-54.38	-59.97	-5.59
Green Infrastructure Fee	\$	1.27	1.27	1.27	1.27	0.00
Avg Residential Bill at 500 kwh				177.92	173.02	

Increase (Decrease -)	-4.90
% Change	-2.75%

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

<u>EFFECTIVE DATE</u>	FUEL FACTOR		RESIDENTIAL BILL (\$)
	CENTS / KWH	RESIDENTIAL & COMMERCIAL	
		<u>@ 400 KWH</u>	<u>@ 500 KWH</u>
January 1, 2015	-4.698	169.85	211.41
February 1, 2015	-7.361	159.20	198.09
March 1, 2015	-8.793	153.47	190.93
April 1, 2015	-6.831	160.22	199.37
May 1, 2015	-9.750	149.64	186.15
June 8, 2015	-8.842	153.16	190.56
July 1, 2015	-7.314	158.27	196.91
August 1, 2015	-8.457	153.70	191.19
September 1, 2015	-10.465	145.71	181.20
October 1, 2015	-12.259	138.53	172.23
November 1, 2015	-12.177	138.86	172.64
December 1, 2015	-11.304	142.35	177.01
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

**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
06/01/11	IRP RECOVERY REFUND	0.000 PERCENT ON BASE
08/01/13	FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (2012 TEST YEAR)	
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	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.4082 CENTS/KWH
07/01/16	RESID. PBF SURCHARGE ADJUSTMENT	0.5865 CENTS/KWH
07/01/16 - 12/31/16	GREEN INFRASTRUCTURE FEE	1.13 DOLLARS/MONTH
01/01/17	GREEN INFRASTRUCTURE FEE	1.27 DOLLARS/MONTH
03/01/17	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	SOLARSAVER ADJUSTMENT	0.0000 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.