

SHARON M. SUZUKI President

July 27, 2017

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2017 JUL 27 P 2: 49

PUBLIC UTILIFIES 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 August 2017

Maui Electric Company, Limited's ("Maui Electric" or "Company") August 2017 Energy Cost Adjustment factor for our Maui Division is -7.867 cents per kilowatt-hour ("kWh"), a decrease of 2.232 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$145.30, a decrease of \$11.21 compared to rates effective July 1, 2017. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor (-\$11.17) and the decrease in the Purchased Power Adjustment Clause rate (-\$0.04).

The Company's Maui Division fuel composite cost of generation, central station and other decreased 98.01 cents per million BTU to 1,073.23 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.220 cents per kWh to 19.081 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for August 2017 is -11.659 cents per kWh, a decrease of 0.478 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$140.36, a decrease of \$1.92 compared to rates effective July 1, 2017. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor.

The Company's Lāna'i Division fuel composite cost of generation, central station and other decreased 66.01 cents per million BTU to 1,609.10 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 August 2017 is -9.670 cents per kWh, a decrease of 1.188 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$134.08, a decrease of \$4.75 compared to rates effective July 1, 2017. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor.

The Honorable Chair and Members of the Hawai'i Public Utilities Commission July 27, 2017 Page 2

The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 96.48 cents per million BTU to 1,351.20 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 August 1, 2017.

Sincerely,

Aharm m. Arali

Sharon M. Suzuki President

Attachments

cc: Division of Consumer Advocacy

# MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION

# ENERGY COST ADJUSTMENT FACTOR

	EFFECTIV		
	<u>07-01-17</u>	<u>08-01-17</u>	<u>Change</u>
COMPOSITE COSTS			
Generation, Central Station & Other, ¢/mbtu	1,447.68	1,351.20	(96.48)
DG Energy, ¢/kWh	0.00	0.00	0.00
Purchased Energy, ¢/kWh	21.80	21.80	0.00
Residential Schedule "R"			
Energy Cost Adjustment, ¢/kWh	(8.482)	(9.670)	(1.188)
	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	, , ,
Others - "G,P,F"			
Energy Cost Adjustment, ¢/kWh	(8.482)	(9.670)	(1.188)
		, , , , , , , , , , , , , , , , , , ,	, , ,
Residential Customer with			
400 KWH Consumption, \$/Bill	138.83	134.08	(4.75)
500 KWH Consumption, \$/Bill	172.76	166.82	(5.94)

Supersedes Sheet Effective: July 1, 2017

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

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

Line

1 Effective D	Date August	1, 2017
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2 Supercedes Factors July 1, 2017

#### **GENERATION COMPONENT**

	CENTRAL STATION		1
	FUEL PRICES, ¢/mmbtu		
3	Industrial	0.00	
-	Diesel	1,351.20	
	Other	0.00	
Ũ		0.00	
	BTU MIX, %		DG ENERGY COMPONENT
6	Industrial	0.00	23 COMPOSITE COST OF DG
7	Diesel	100.00	ENERGY, ¢/kWh 0.000
8	Other	<u>0.00</u>	24 % Input to System kWh Mix 0.00
		<u>100.00</u>	
			25 WEIGHTED COMPOSITE DG ENERGY COST,
9	COMPOSITE COST OF GENERATION,		¢/kWh (Lines 23 x 24) 0.00000
	CENTRAL STATION + OTHER ¢/mmbtu	1,351.20	
	(Lines (3 x 6) + (4 x 7) + (5 x 8))		
10	% Input to System kWh Mix	99.76	26 BASE DG ENERGY COMP COST 0.000
			27 Base % Input to System kWh Mix 0.00
	EFFICIENCY FACTOR, mmbtu/kWh		28 WEIGHTED BASE DG ENERGY COST,
	(A) (B) (C)	(D)	¢/kWh (Line 26 x 27) 0.00000
	Percent of		
	Eff Factor Centrl Stn +	Weighted	29 Cost Less Base (Line 25 - 28) 0.00000
	Fuel Type mmbtu/kwh Other	Eff Factor	30 Loss Factor 1.095
11	Industrial 0.000000 0.00	0.000000	31 Revenue Tax Req Multiplier 1.0975
12	Diesel 0.011194 100.00	0.011194	32 DG FACTOR,
13	Other 0.011194 0.00	0.000000	¢/kWh (Line 29 x 30 x 31) 0.00000
	(Lines 11, 12, 13): Col(B) x Col(C) = Col(D)		
14	Weighted Efficiency Factor, mmbtu/kWh		
	[lines 11(D) + 12(D) + 13(D)]	0.011194	
15	WEIGHTED COMPOSITE CENTRAL STATION		
15	OTHER GENERATION COST, ¢/kWh	1 -	
	(lines (9 x 10 x 14))	15.08918	
		13.00310	
16	BASE CENTRAL STATION + OTHER		
	GENERATION COST, ¢/mmbtu	2.144.57	
17	Base % Input to Sys kWh Mix	99.91	
	Efficiency Factor, mmbtu/kwh	0.011194	
	WEIGHTED BASE CENTRAL STATION + OTH	IER	
_	GENERATION COST ¢/kWh		
	(lines (16 x 17 x 18))	23.98471	
			SUMMARY OF
20	COST LESS BASE (line(15 - 19))	(8.89553)	TOTAL GENERATION FACTOR, ¢/kWh
	Revenue Tax Req Multiplier	<u></u> 1.0975	33 CNTRL STN + OTHER (line 22) -9.76284
22	CENTRAL STATION + OTHER GENERATION		34 DG (line 32) 0.00000
	FACTOR, ¢/kWh (line (20 x 21))	(9.76284)	35 TOTAL GENERATION FACTOR,
		. ,	¢/kWh (lines 33 + 34) -9.76284
			. , ,

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

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

<u>Line</u>

10		
1	Effective Date	August 1, 2017
2	Supercedes Factors	July 1, 2017

Line	PURCHASED ENERGY COMPONENT	
	PURCHASED ENERGY PRICE, ¢/kWh	
	FIT	21.800
37		0.000
20	Sch Q	0.000
30	3011 Q	0.000
	PURCHASED ENERGY KWH MIX, %	
39	FIT	100.00
40		0.00
41	Sch Q	0.000
42	COMPOSITE COST OF PURCHASED	
	ENERGY, ¢/kWh	21.800
	(Lines (36 x 39) + (37 x 40) + (38 x 41))	
	% Input to System kWh Mix	0.24
44	WEIGHTED COMPOSITE PURCHASED ENERG	
	COST, ¢/kWh (lines (42 x 43))	0.05232
45		
45	BASE PURCHASED ENERGY	04,000
40	COMPOSITE COST, ¢/kWh	21.800
	Base % Input to Sys kWh Mix WEIGHTED BASE PURCHASED ENERGY	0.09
47		0.04000
	COST, ¢/kWh (lines (45 x 46))	0.01962
48	COST LESS BASE (lines (44 - 47))	0.03270
	Loss Factor	1.095
	Revenue Tax Reg Multiplier	1.0975
51	· ·	0.03930
	(lines (48 x 49 x 50))	

Line

#### SYSTEM COMPOSITE CALCULATIONS

52	2 GENERATION AND PURCHASED ENERGY		
	FACTOR, ¢/kWh	(9.72354)	
	(lines (35 + 51))		
53	Adjustment, ¢/kWh	0.000	
54	ECA Reconciliation Adjustment	0.054	
55	ECA FACTOR, ¢/kWh	(9.670)	
	(lines (52 + 53 + 54))		

# Maui Electric Company, Ltd. Molokai Division

## MONTH END FUEL OIL ESTIMATE

	Barrels	MBTU	\$
7/20/2017	6,981.98	40,006.72	550,097.18
Estimated Use	1,722.95	9,872.50	142,922.49
Estimated Received	-	-	-
Estimated Additional	-	-	-
Estimated End	5,259.03	30,134.22	407,174.69

Next Months Expense = \$ 77.4239 /bbl

## FUEL OIL INVENTORY PRICE USED FOR FILING

Type of Oil Burned	Price		Prices ¢/MBTU
Diesel	\$ 77.4239	5.73 BTU/BBL	1351.20

## MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION

# **Contract Prices effective July 1, 2017**

TYPE OF OIL BURNED	\$/BBL	¢/MBTU
ULTRA LOW SULFUR DIES	EL	
Tax *	2.0398	35.60
Ocean Transportation	1.6449	28.71
Storage	0.2900	81.05
Wharfage	0.0000	5.06

- \* Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST tax, Environmental Response Tax, Customs Duty Fee, Federal Oil Spill Recovery Fee, 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. Molokai Division ECA Reconciliation Adjustment

# August 2017

1. Amount to be Collected	\$3,300
2. Monthly amount (1/3 x Line 1)	\$1,100
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	\$1,207
5. Estimated Sales (August 2017)	2,241 mwh
6. Adjustment (Line 4 ÷ Line 5)	0.054 ¢/kwh

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

<u>Line</u>	Description	Without Deadband 2nd Quarter <u>YTD Total</u>	collection by <u>company*</u>	Basis for Recon With Deadband 2nd Quarter <u>YTD Total</u>	collection by <u>company*</u>
	Actual Costs				
1 2	Generation Distributed Generation	\$2,133.4 \$0.0		\$2,133.4 \$0.0	
3	Purch Power	\$0.0 \$0.6		\$0.0 \$0.6	
4	Total	\$2,134.0		\$2,134.0	
	Fuel Filing Cost				
5	Generation	\$2,176.6		\$2,166.8	
6	Distributed Generation	\$0.0		\$0.0	
7	Purch Power	\$0.6		\$0.6	
8	Total	\$2,177.2		\$2,167.4	
	Base Fuel Cost				
9	Generation	\$3,262.1		\$3,262.1	
10	Distributed Generation	\$0.0		\$0.0	
11	Purch Power	\$0.6		\$0.6	
12	Total	\$3,262.7		\$3,262.7	
13	FUEL - BASE COST (Line 8-12)	-\$1,085.5		-\$1,095.2	
14	ACTUAL FOA REVENUE LESS TAX	-\$1,076.0		-\$1,076.0	
15	FOA reconciliation adj for prior years	\$23.7		\$23.7	
16	ADJUSTED FOA LESS TAX	-\$1,099.7		-\$1,099.7	
17	FOA-(FUEL-BASE) (Line 16-13)	-\$14.2		-\$4.5	
	ADJUSTMENTS				
18	Current year FOA accrual reversal	-\$2.4		-\$2.4	
19	Other prior year FOA	\$0.0		\$0.0	
20	Other	\$0.0		\$0.0	
21	2nd QUARTER FOA RECONCILIATION (Lines 17+18+19+20)	-\$16.6	Under	-\$6.9	Under
22	1st QUARTERLY YTD 2017 FOA Reconciliation Recognized in	FOA Rates		-\$3.6	Under
23	FOA Reconciliation to be Refunded August 2017 to October 201	7 (Line 22- 21)		\$3.3	To Be Collected
* 0					

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

## MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION DEADBAND CALCULATION

Determination of Efficiency Factor to use for Cost-Recovery Purposes Period: January 1, 2017 through June 30, 2017

	<u>Notes</u>	<u>Jan 1 - Jun 30</u>
<u>Palaau Diesel</u> Palaau Diesel Efficiency Factor (TY2009), BTU/kWh Palaau Diesel Deadband Definition, +/- BTU/kWh	f d	11,194 <b>50</b>
Palaau Diesel Portion of Recorded Sales, MWh Palaau Diesel Consumption (Recorded), MMBTU Palaau Diesel Efficiency Factor (Recorded), BTU/kWh	a b c = (b/a)*1000	13,588 148,989 10,964
Lower limit of Palaau Diesel Deadband, BTU/kWh Higher limit of Palaau Diesel Deadband, BTU/kWh	e = f-d g = f+d	11,144 11,244
Palaau Diesel Efficiency Factor for cost-recovery, BTU/kWh	h = c, e, or g	11,144

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

_	Without Deadband Jan 1 - Jun 30	With Deadband - AS FILED Jan 1 - Jun 30
DIESEL FUEL FILING COST		
Diesel Portion of Recorded Sales, MWH	13,588	13,588
Diesel Sales Efficiency Factor (mmbtu/kwh)	0.011194	0.011144
Mmbtu adjusted for Sales Efficiency Factor	152,109	151,429
\$/mmbtu	<u>\$14.3093</u>	<u>\$14.3093</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$2,176.6	\$2,166.8
TOTAL GENERATION FUEL FILING COST, \$000s	\$2,176.6	\$2,166.8
TOTAL GENERATION BASE FUEL COST , \$000s YT	D \$3,262.1	\$3,262.1
TOTAL GENERATION FUEL FILING COST, \$000s Y		\$2,166.8
TOTAL GENERATION BASE FUEL COST, \$000s YT	D \$3,262.1	\$3,262.1

## MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION 2017 Cumulative Reconciliation Balance

<u>Month</u>	(1) YTD FOA <u>Reconciliation</u>	<u>Qtr</u>	(2) FOA Rec Adjust <u>Variance</u>	(3) FOA Rec Less <u>Variance</u>	(4) Try to <u>Collect</u>	(5) Actual <u>Collect</u>	(6) Month-end Cumulative <u>Balance</u>
December '16					9,300	9,580	(8,349)
January '17	(4.4.400)	( 1)			9,300	10,066	1,717
February	(14,400)	(4)	957	(15,357)	4,800	4,589	(9,051)
March					4,800	5,142	(3,909)
April					4,800	5,253	1,344
May	(3,600)	(1)	897	(4,497)	1,200	1,209	(1,944)
June		. ,			1,200	1,373	(571)
July					1,200		( )
August	(3,300)	(2)	635	(3,935)	1,100		
NOTES:							

Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 20)

Col(2): A positive number is an over-collection. A negative number is an under-collection. 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. Molokai Division Calculations of the Average Residential Customer Bill

	Rate		
		07-01-17	08-01-17
Base Rates	effective date:	08/01/13	08/01/13
Base Fuel/Energy Charge	¢/kWh	26.3468	26.3468
Non-fuel Fuel Energy Charge			
First 250 kWhr per month	¢/kWh	11.4278	11.4278
Next 500 kWhr per month	¢/kWh	14.0778	14.0778
Customer Charge	\$	8.50	8.50
Total Base Charges			
IRP Refund	% on base	0.000	0.000
Revenue Balancing Rate Adjustment	¢/kWh	1.5654	1.5654
PBF Surcharge	¢/kWh	0.4244	0.4244
Renewable Energy Infrastructure Cost			
Recovery Provision	¢/kWh	0.0098	0.0098
SolarSaver Adjustment	¢/kWh	0.0000	0.0000
Energy Cost Adjustment	¢/kWh	-8.482	-9.670
Green Infrastructure Fee	\$	1.18	1.18

Avg Residential Bill at 400 kwh

Avg Residential Bill at 500 kwh

	Charge (\$) at 400 Kwh				
07-01-17	08-01-17	Difference			
105.39	105.39	0.00			
28.57	28.57	0.00			
21.12	21.12	0.00			
8.50	8.50	0.00			
163.58	163.58	0.00			
0.00	0.00	0.00			
6.26	6.26	0.00			
1.70	1.70	0.00			
0.04	0.04	0.00			
0.00	0.00	0.00			
-33.93	-38.68	-4.75			
1.18	1.18	0.00			
138.83	134.08				

Increase (Decrease -) % Change

-4.75 -3.42%

		Rate			
		07-01-17 08-0			
Base Rates Base Fuel/Energy Charge Non-fuel Fuel Energy Charge First 250 kWhr per month Next 500 kWhr per month Customer Charge Total Base Charges	effective date: ¢/kWh ¢/kWh ¢/kWh \$	08/01/13 26.3468 11.4278 14.0778 8.50	08/01/13 26.3468 11.4278 14.0778 8.50		
IRP Refund	% on base	0.000	0.000		
Revenue Balancing Rate Adjustment PBF Surcharge Renewable Energy Infrastructure Cost Recovery Provision SolarSaver Adjustment	¢/kWh ¢/kWh ¢/kWh ¢/kWh	1.5654 0.4244 0.0098 0.0000	0.4244 0.0098		
Energy Cost Adjustment Green Infrastructure Fee	¢/kWh \$	-8.482 1.18	-9.670 1.18		

Charge (\$) at 500 Kwh				
07-01-17	08-01-17	Difference		
131.73	131.73	0.00		
28.57	28.57	0.00		
35.19	35.19	0.00		
8.50	8.50	0.00		
203.99	203.99	0.00		
0.00	0.00	0.00		
7.83	7.83	0.00		
2.12	2.12	0.00		
0.05 0.00	0.05 0.00	0.00 0.00		
-42.41	-48.35	-5.94		
1.18	1.18	0.00		
172.76	166.82			

Increase (Decrease -) % Change

-5.94 -3.44%

# MAUI ELECTRIC COMPANY, LTD. -- Molokai Division FUEL OIL ADJUSTMENT FACTOR DATA

EFFECTIVE DATE	FUEL FACTOR CENTS / KWH RESIDENTIAL & <u>COMMERCIAL</u>	RESIDENT @ 400 KWH	IAL BILL (\$) <u>@ 500 KWH</u>
January 1, 2015	-0.141	173.84	216.48
February 1, 2015	-3.412	160.75	200.13
March 1, 2015	-6.056	150.18	186.91
April 1, 2015	-6.122	148.81	185.21
May 1, 2015	-6.727	147.49	183.55
June 8, 2015	-7.453	144.48	179.79
July 1, 2015	-6.185	148.55	184.84
August 1, 2015	-5.864	149.83	186.45
September 1, 2015	-5.935	149.59	186.14
October 1, 2015	-9.896	133.75	166.34
November 1, 2015	-10.149	132.73	165.07
December 1, 2015	-9.676	134.63	167.44
,			
January 1, 2016	-9.942	133.44	165.99
February 1, 2016	-11.270	128.13	159.35
March 1, 2016	-12.649	122.61	152.45
April 1, 2016	-13.391	118.92	147.82
May 1, 2016	-13.226	120.31	149.57
June 1, 2016	-13.376	118.95	147.87
July 1, 2016	-12.675	122.03	151.76
August 1, 2016	-9.906	133.11	165.61
September 1, 2016	-9.794	133.55	166.17
October 1, 2016	-11.131	128.21	159.48
November 1, 2016	-9.970	132.85	165.29
December 1, 2016	-9.244	135.75	168.92
January 1, 2017	-8.940	137.11	170.58
February 1, 2017	-8.792	137.70	170.38
March 1, 2017	-8.066	140.61	174.95
April 1, 2017	-8.432	138.59	172.43
May 1, 2017	-8.851	137.47	171.02
June 1, 2017	-8.516	139.44	173.49
July 1, 2017	-8.482	138.83	172.76
August 1, 2017	-9.670	134.08	166.82
-			

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE		RATE	
06/01/11 08/01/13	IRP RECOVERY REFUND FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092		PERCENT ON BASE	
04/01/15 - 04/30/15	SOLARSAVER ADJUSTMENT	•	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	0.0103	CENTS/KWH	
	RECOVERY PROVISION			
01/01/16 - 06/30/16	GREEN INFRASTRUCTURE FEE	1.30	DOLLARS/MONTH	
03/01/16 - 02/28/17	RENEWABLE ENERGY INFRASTRUCTURE COST	0.0099	CENTS/KWH	
	RECOVERY PROVISION			
04/01/16 - 04/30/16	SOLARSAVER ADJUSTMENT	-0.1835	CENTS/KWH	

04/01/10 - 04/30/10	SOLARSAVER ADJUSTIMENT	-0.1033	CENTS/NVIT	
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	RENEWABLE ENERGY INFRASTRUCTURE COST	0.0098	CENTS/KWH	
	RECOVERY PROVISION			
04/01/17 - 04/30/17	SOLARSAVER ADJUSTMENT	-0.1378	CENTS/KWH	
05/01/17	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH	
06/01/17	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.5654	CENTS/KWH	
07/01/17	GREEN INFRASTRUCTURE FEE	1.18	DOLLARS/MONTH	
07/01/17	RESID. PBF SURCHARGE ADJUSTMENT	0.4244	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.