

July 27, 2018

2018 JUL 27 P 3: 39

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 August 2018

Maui Electric Company, Limited's ("Maui Electric" or "Company") August 2018 Energy Cost Adjustment factor for our Maui Division is -3.848 cents per kilowatt-hour ("kWh"), a decrease of 2.589 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$167.07, a decrease of \$13.25 compared to rates effective July 1, 2018. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor (-\$12.94) and the decrease in the Purchase Power Adjustment Clause rate (-\$0.31) factor.

The Company's Maui Division fuel composite cost of generation, central station and other decreased 258.48 cents per million BTU to 1,516.06 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy increased 0.052 cents per kWh to 19.311 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for August 2018 is -7.005 cents per kWh, a decrease of 1.252 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$160.45, a decrease of \$5.01 compared to rates effective July 1, 2018. 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 124.85 cents per million BTU to 2,052.59 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 August 2018 is -4.992 cents per kWh, a decrease of 3.638 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$154.26, a decrease of \$14.55 compared to rates effective July 1, 2018. 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, 2018 Page 2

The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 282.41 cents per million BTU to 1,756.99 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, 2018.

Sincerely,

Sharon M. Suzuki

President

Attachments

cc: Division of Consumer Advocacy

MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION

ENERGY COST ADJUSTMENT FACTOR

	EFFECTIVE DATES		
	<u>07-01-18</u>	<u>08-01-18</u>	<u>Change</u>
COMPOSITE COSTS Generation, Central Station & Other, ¢/mbtu DG Energy, ¢/kWh Purchased Energy, ¢/kWh	2,039.40 0.00 21.80	1,756.99 0.00 21.80	(282.41) 0.00 0.00
Residential Schedule "R"			
Energy Cost Adjustment, ¢/kWh	(1.354)	(4.992)	(3.638)
Others - "G,P,F"			
Energy Cost Adjustment, ¢/kWh	(1.354)	(4.992)	(3.638)
Residential Customer with			
400 KWH Consumption, \$/Bill 500 KWH Consumption, \$/Bill	168.81 210.24	154.26 192.05	(14.55) (18.19)

Supersedes Sheet Effective: July 1, 2018

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

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

Line

1 Effective Date August 1, 2018 2 Supercedes Factors July 1, 2018

GENERATION COMPONENT

	CENTRAL STATION		1
	FUEL PRICES, ¢/mmbtu		
3	Industrial	0.00	
_	Diesel	1,756.99	
	Other	0.00	
Ŭ	Cutor	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	0.00	24 % Input to System kWh Mix 0.00
		100.00	. ,
		· · · · · · · · · · · · · · · · · · ·	25 WEIGHTED COMPOSITE DG ENERGY COST,
9	COMPOSITE COST OF GENERATION,		¢/kWh (Lines 23 x 24) 0.00000
	CENTRAL STATION + OTHER ¢/mmbtu	1,756.99	
	(Lines $(3 \times 6) + (4 \times 7) + (5 \times 8)$)		
10	% Input to System kWh Mix	99.98	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): $Col(B) \times Col(C) = Col(D)$		
14	Weighted Efficiency Factor, mmbtu/kWh		
	[lines 11(D) + 12(D) + 13(D)]	0.011194	
15	WEIGHTED COMPOSITE CENTRAL STATION	l +	
	OTHER GENERATION COST, ¢/kWh	40.00400	
	(lines (9 x 10 x 14))	19.66426	
10	BASE CENTRAL STATION + OTHER		
16	GENERATION COST, ¢/mmbtu	2,144.57	
17	* *	2,144.57 99.91	
	Base % Input to Sys kWh Mix Efficiency Factor, mmbtu/kwh	0.011194	
	WEIGHTED BASE CENTRAL STATION + OTH		
19	GENERATION COST ¢/kWh	ILIX	
		23.98471	
	(lines (16 x 17 x 18))	23.3041 l	SUMMARY OF
20	COST LESS BASE (line(15 - 19))	(4.32045)	
	Revenue Tax Req Multiplier	1.0975	33 CNTRL STN + OTHER (line 22) -4.74169
	CENTRAL STATION + OTHER GENERATION	1.0373	34 DG (line 32) 0.00000
	FACTOR, ¢/kWh (line (20 x 21))	(4.74169)	, ,
	17.0101., \$/\text{\tind{\tin\tind{\text{\tin\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin\tin\tint{\text{\text{\text{\text{\text{\text{\text{\text{\tin\tin\tin\tint{\text{\text{\text{\tin\tin\tin\tin\text{\text{\tin\tin\tin\tin\tin\text{\text{\text{\tin\tin\tin\tin\text{\text{\tin\tin\text{\text{\text{\tin\tin\text{\text{\tin\tin\tin\tin\tin\tin\tin\tin\tin\tin	(4.74109)	¢/kWh (lines 33 + 34) -4.74169
Ь			φ/κννιι (iiiiο3 00 + 0 4) -4.74109

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

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

Line

1 Effective Date August 1, 2018 2 Supercedes Factors July 1, 2018

Line	PURCHASED ENERGY COMPONENT	
36 37	PURCHASED ENERGY PRICE, ¢/kWh FIT	21.800 0.000
38	Sch Q	0.000
39 40	PURCHASED ENERGY KWH MIX, % FIT	100.00 0.00
41	Sch Q	0.000
43	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh (Lines (36 x 39) + (37 x 40) + (38 x 41)) % Input to System kWh Mix WEIGHTED COMPOSITE PURCHASED ENER	21.800 0.02 RGY
	COST, ¢/kWh (lines (42 x 43))	0.00386
46	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh Base % Input to Sys kWh Mix WEIGHTED BASE PURCHASED ENERGY	21.800 0.09
4/	COST, ¢/kWh (lines (45 x 46))	0.01962
49 50	COST LESS BASE (lines (44 - 47)) Loss Factor Revenue Tax Req Multiplier PURCHASED ENERGY FACTOR, ¢/kWh (lines (48 x 49 x 50))	(0.01576) 1.095 1.0975 (0.01894)

<u>Line</u> <u>SYSTEM COMPOSITE CALCULATIONS</u>

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

Maui Electric Company, Ltd. Molokai Division

MONTH END FUEL OIL ESTIMATE

	Barrels	MBTU	\$
7/20/2018	6,233.33	35,717.00	656,566.35
Estimated Use	1,842.45	10,557.24	215,304.29
Estimated Received	-	-	-
Estimated Additional	356.59	2,043.24	36,692.30
Estimated End	4,747.47	27,203.00	477,954.36

Next Months Expense = \$ 100.6756 /bbl

FUEL OIL INVENTORY PRICE USED FOR FILING

Type of Oil Burned	<u>Price</u>		Prices ¢/MBTU
Diesel	\$ 100.6756	5.73 BTU/BBL	1756.99

MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION

Contract Prices effective July 1, 2018

TYPE OF OIL BURNED	\$/BBL	¢/MBTU
ULTRA LOW SULFUR DIE	SEL	
Tax *	2.1855	38.14
Ocean Transportation	1.6594	28.96
Storage	4.8063	83.88
Wharfage	0.2900	5.06

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.

^{*} 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.

MAUI ELECTRIC COMPANY, LTD. Molokai Division ECA Reconciliation Adjustment

August 2018

Amount to be refunded	(\$15,400)
2. Monthly amount (1/3 x Line 1)	(\$5,133)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$5,634)
5. Estimated Sales (August 2018)	2,435 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.231 ¢/kwh

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

<u>Line</u>	<u>Description</u>	Without Deadband 2nd Quarter <u>YTD Total</u>	collection by company*	Basis for Recon With Deadband 2nd Quarter YTD Total	collection by company*
1 2 3	Actual Costs Generation Distributed Generation Purch Power	\$2,593.5 \$0.0 \$0.5		\$2,593.5 \$0.0 \$0.5	
4	Total	\$2,594.0		\$2,594.0	
5 6 7	Fuel Filing Cost Generation Distributed Generation Purch Power	\$2,648.1 \$0.0 \$0.5		\$2,636.2 \$0.0 \$0.5	
8	Total	\$2,648.6		\$2,636.8	
9 10 11	Base Fuel Cost Generation Distributed Generation Purch Power	\$3,313.0 \$0.0 \$0.5		\$3,313.0 \$0.0 \$0.5	
12	Total	\$3,313.5		\$3,313.5	
13	FUEL - BASE COST (Line 8-12)	-\$664.9		-\$676.7	
14 15	ACTUAL FOA REVENUE LESS TAX FOA reconciliation adj for prior years	-\$670.9 -\$11.0		-\$670.9 -\$11.0	
16	ADJUSTED FOA LESS TAX	-\$659.9		-\$659.9	
17	FOA-(FUEL-BASE) (Line 16-13)	\$5.0		\$16.8	
18 19 20	ADJUSTMENTS Current year FOA accrual reversal Other prior year FOA Other	\$2.6 \$0.0 \$0.0		\$2.6 \$0.0 \$0.0	
21	2nd QUARTER FOA RECONCILIATION (Lines 17+18+19+20)	\$7.6	Over	\$19.4	Over
22	1st QUARTERLY YTD 2018 FOA Reconciliation Recognized in	FOA Rates		\$4.0	Over
23	FOA Reconciliation to be Refunded August 2018 to October 201	8 (Line 22- 21)		-\$15.4 T	o Be Refunded

^{*} 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, 2018 through June 30, 2018

	<u>Notes</u>	<u>Jan 1 - Jun 30</u>
Palaau Diesel Palaau Diesel Efficiency Factor (TY2009), BTU/kWh	f	11,194
Palaau Diesel Deadband Definition, +/- BTU/kWh	d	50
Palaau Diesel Portion of Recorded Sales, MWh Palaau Diesel Consumption (Recorded), MMBTU	a b	13,801 151,284
Palaau Diesel Efficiency Factor (Recorded), BTU/kWh	c = (b/a)*1000	10,962
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 2018

<u>-</u>	Without Deadband	With Deadband - AS FILED
	<u>Jan 1 - Jun 30</u>	<u>Jan 1 - Jun 30</u>
DIESEL FUEL FILING COST		
Diesel Portion of Recorded Sales, MWH	13,801	13,801
Diesel Sales Efficiency Factor (mmbtu/kwh)	0.011194	0.011144
Mmbtu adjusted for Sales Efficiency Factor	154,484	153,794
\$/mmbtu	<u>\$17.1414</u>	<u>\$17.1414</u>
TOTAL DIESEL \$000s TO BE RECOVERED	\$2,648.1	\$2,636.2
TOTAL GENERATION FUEL FILING COST, \$000s	\$2,648.1	\$2,636.2
TOTAL GENERATION BASE FUEL COST , \$000s Y	TD \$3,313.0	\$3,313.0
TOTAL GENERATION FUEL FILING COST, \$000s Y	· ·	\$2,636.2 \$3,313.0

MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION 2018 Cumulative Reconciliation Balance

<u>Month</u>	(1) YTD FOA Reconciliation	<u>Qtr</u>	(2) FOA Rec Adjust <u>Variance</u>	(3) FOA Rec Less <u>Variance</u>	(4) Try to Collect	(5) Actual <u>Collect</u>	(6) Month-end Cumulative <u>Balance</u>
December '17 January '18 February March	10,400	(4)	-	10,400	(533) (533) (3,467) (3,467)	(534) (550) (3,397) (3,553)	528 (22) 6,981 3,428
April May June July	4,000	(1)	(33)	4,033	(3,467) (1,333) (1,333) (1,333)	(3,687) (1,344) (1,426)	(259) 2,430 1,004
August NOTES:	15,400	(2)	(324)	15,724	(5,133)		
Col(1):	Quarterly FOA r	econcili	ation amount	ts. (Refer to A	ttachment 20)		

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. Molokai Division Calculations of the Average Residential Customer Bill

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
IRP Refund
Revenue Balancing Rate Adjusti
PBF Surcharge
Renewable Energy Infrastructure

Revenue Balancing Rate Adjustment PBF Surcharge Renewable Energy Infrastructure Cost Recovery Provision SolarSaver Adjustment

Energy Cost Adjustment Green Infrastructure Fee

Avg Residential Bill at 400 kwh

	Rate	
	07-01-18	08-01-18
effective date:	08/01/13	08/01/13
¢/kWh	26.3468	26.3468
¢/kWh	11.4278	11.4278
¢/kWh	14.0778	14.0778
\$	8.50	8.50
% on base	0.000	0.000
¢/kWh	1.8954	1.8954
¢/kWh	0.4658	0.4658
¢/kWh	0.0000	0.0000
¢/kWh	0.0000	0.0000
¢/kWh	-1.354	-4.992
\$	1.21	1.21

Charge (\$) at 400 Kwh			
07-01-18	08-01-18	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	
7.58	7.58	0.00	
1.86	1.86	0.00	
0.00	0.00	0.00	
0.00	0.00	0.00	
-5.42	-19.97	-14.55	
1.21	1.21	0.00	
168.81	154.26		

Increase (Decrease -) % Change

-14.55 -8.62%

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
IRP Refund
Revenue Balancing Rate Adjus PBF Surcharge

Revenue Balancing Rate Adjustment PBF Surcharge Renewable Energy Infrastructure Cost Recovery Provision SolarSaver Adjustment

Energy Cost Adjustment Green Infrastructure Fee

Avg Residential Bill at 500 kwh

Rate			
	07-01-18	08-01-18	
effective date:	08/01/13	08/01/13	
¢/kWh	26.3468	26.3468	
¢/kWh	11.4278	11.4278	
¢/kWh	14.0778	14.0778	
\$	8.50	8.50	
% on base	0.000	0.000	
4/14\A/lb	1 0054	4 0054	
¢/kWh	1.8954	1.8954	
¢/kWh	0.4658	0.4658	
¢/kWh	0.0000	0.0000	
¢/kWh	0.0000	0.0000	
¢/kWh	-1.354	-4.992	
\$	1.21	1.21	
φ	1.21	1.21	

Charge (\$) at 500 Kwh			
07-01-18	08-01-18	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	
9.48	9.48	0.00	
2.33	2.33	0.00	
		-	
0.00	0.00	0.00	
0.00	0.00	0.00	
0.00	0.00	0.00	
-6.77	-24.96	-18.19	
1.21	1.21	0.00	
1.21		0.00	
210.24	192.05		

Increase (Decrease -) % Change

-18.19 -8.65%

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

EFFECTIVE DATE	FUEL FACTOR CENTS / KWH RESIDENTIAL & COMMERCIAL		IAL BILL (\$) <u>@ 500 KWH</u>
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	171.32
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
September 1, 2017	-10.692	129.95	161.66
October 1, 2017	-9.093	136.35	169.65
November 1, 2017	-4.912	153.07	190.56
December 1, 2017	-5.591	150.36	187.16
January 1, 2018	-6.300	147.68	183.78
February 1, 2018	-6.275	147.78	183.90
March 1, 2018	-4.937	153.13	190.59
April 1, 2018	-5.975	148.47	184.76
May 1, 2018	-5.031	152.76	190.12
June 1, 2018	-3.490	160.24	199.48
July 1, 2018	-1.354	168.81	210.24
August 1, 2018	-4.992	154.26	192.05

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE		RATE
06/01/11	IRP RECOVERY REFUND		PERCENT ON BASE
08/01/13	FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (20		
01/01/16 - 06/30/16	GREEN INFRASTRUCTURE FEE		DOLLARS/MONTH
03/01/16 - 02/28/17	RENEWABLE ENERGY INFRASTRUCTURE COST	0.0099	CENTS/KWH
	RECOVERY PROVISION		0=1=0#01#1
04/01/16 - 04/30/16	SOLARSAVER ADJUSTMENT		CENTS/KWH
05/01/16 - 03/31/17	SOLARSAVER ADJUSTMENT		CENTS/KWH
06/01/16 - 05/31/17	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT		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	0.0098	CENTS/KWH
	RECOVERY PROVISION		
04/01/17 - 04/30/17	SOLARSAVER ADJUSTMENT	-0.1378	CENTS/KWH
05/01/17 - 03/31/18	SOLARSAVER ADJUSTMENT	0.0000	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
08/17/17	RENEWABLE ENERGY INFRASTRUCTURE COST	0.0000	CENTS/KWH
	RECOVERY PROVISION		
07/01/17 - 06/30/18	RESID. PBF SURCHARGE ADJUSTMENT	0.4244	CENTS/KWH
01/01/18 - 06/30/18	GREEN INFRASTRUCTURE FEE	1.34	DOLLARS/MONTH
04/01/18 - 04/30/18	SOLARSAVER ADJUSTMENT	1.3400	CENTS/KWH
05/01/18	SOLARSAVER ADJUSTMENT		CENTS/KWH
06/01/18	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT		CENTS/KWH
07/01/18	RESID. PBF SURCHARGE ADJUSTMENT		CENTS/KWH
07/01/18	GREEN INFRASTRUCTURE FEE		DOLLARS/MONTH
31/31/10	CHEER IN MOUNTONE LEE	1.21	DULLANOMICITII

Surcharges currently in effect are in bold.
 Base charges include customer charge, demand charge, energy charge, power factor adjustment, voltage discount and minimum charge.