

November 28, 2018

2018 NOV 28 P 3: 34

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 December 2018

Maui Electric Company, Limited's ("Maui Electric" or "Company") December 2018 Energy Cost Adjustment factor for our Maui Division is -2.401 cents per kilowatt-hour ("kWh"), a decrease of 0.043 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$179.65, a decrease of \$0.22 compared to rates effective November 1, 2018. The decrease in the typical residential bill is due to the decrease in the Energy Cost Adjustment factor.

The Company's Maui Division fuel composite cost of generation, central station and other increased 11.10 cents per million BTU to 1,745.63 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.288 cents per kWh to 17.935 cents per kWh.

The Energy Cost Adjustment factor for our Lāna'i Division for December 2018 is -5.396 cents per kWh, an increase of 0.641 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$171.89, an increase of \$2.57 compared to rates effective November 1, 2018. The increase in the typical residential bill is due to the Energy Cost Adjustment factor.

The Company's Lāna'i Division fuel composite cost of generation, central station and other increased 56.16 cents per million BTU to 2,206.26 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 December 2018 is -1.431 cents per kWh, an increase of 2.266 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$173.13, an increase of \$9.07 compared to rates effective November 1, 2018. The increase in the typical residential bill is due to the Energy Cost Adjustment factor.

The Honorable Chair and Members of the Hawai'i Public Utilities Commission November 28, 2018 Page 2

The Company's Moloka'i Division fuel composite cost of generation, central station and other increased 184.44 cents per million BTU to 2,039.71 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 December 1, 2018.

Sincerely,

Sharon M. Suzuki

President

Attachments

cc: Division of Consumer Advocacy

## ENERGY COST ADJUSTMENT FACTOR

	EFFECTIVE DATES		
	<u>11-01-18</u>	<u>12-01-18</u>	<u>Change</u>
<u>COMPOSITE COSTS</u> Generation, Central Station & Other, ¢/mbtu DG Energy, ¢/kWh Purchased Energy, ¢/kWh	2,150.10 0.00 30.00	2,206.26 0.00 30.00	56.16 0.00 0.00
Residential Schedule "R"			
Energy Cost Adjustment, ¢/kWh	(6.037)	(5.396)	0.641
<u>Others - "G,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(6.037)	(5.396)	0.641
Residential Customer with			
	400.00	474.00	o ==
400 KWH Consumption, \$/Bill	169.32	171.89	2.57
500 KWH Consumption, \$/Bill	210.74	213.95	3.21

Supersedes Sheet Effective:

November 1, 2018

## ENERGY COST ADJUSTMENT (ECA) FILING

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

Line

1 Effective Date D	December 1, 2018
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2 Supercedes Factors of November 1, 2018

### **GENERATION COMPONENT**

	CENTRAL STATION			
	FUEL PRICES, ¢/mmbtu			
3	Industrial	0.00		
4	Diesel - Miki Basin	2,206.26		
5	Diesel - Manele Bay	2,112.93		
6	Other	0.00		
	DTU MIX 0/			
7	BTU MIX, %	0.000/		
	Industrial	0.00%	25 COMPOSITE COST OF DG	0.000
-	Diesel - Miki Basin	100.00%	ENERGY, ¢/kWh	0.000
	Diesel - Manele Bay	0.00%	00.0/ leavet to Overtage LVM/b Miss	0.000/
10	Other _	0.00%	26 % Input to System kWh Mix	0.00%
		100.00 %	27 WEIGHTED COMPOSITE DG ENERGY	
11	COMPOSITE COST OF GENERATION,		COST, ¢/kWh (Lines 25 x 26)	0.00000
	CENTRAL STATION + OTHER ¢/mmbtu	2,206.26		0.00000
	(Lines $(3 \times 7) + (4 \times 8) + (5 \times 9) + (6 \times 10)$ )	2,200.20		
12	% Input to System kWh Mix	94.36%	28 BASE DG ENERGY COMP COST	0.000
	1		29 Base % Input to System kWh Mix	0.00%
	EFFICIENCY FACTOR, mmbtu/kWh		30 WEIGHTED BASE DG ENERGY COST,	
	(A) (B) (C)	(D)	¢/kWh (Line 28 x 29)	0.00000
	Percent of			
	Eff Factor Centrl Stn +	Weighted	31 Cost Less Base (Line 27 - 30)	0.00000
	Fuel Type mmbtu/kwh Other	Eff Factor	32 Loss Factor	1.0510
13	Industrial 0.000000 0.00	0.000000	33 Revenue Tax Req Multiplier	1.0975
14	Diesel 0.011151 100.00	0.011151	34 DG FACTOR,	
15	Other 0.011151 0.00	0.000000	¢/kWh (Line 31 x 32 x 33)	0.00000
	(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 STAT			
	OTHER GEN COST, ¢/kWh			
	(lines $(11 \times 12 \times 16))$	23.21445		
18	BASE CENTRAL STATION + OTHER GEN	ERATION		
	COST, ¢/mmbtu	2,647.15		
19	Base % Input to Sys kWh Mix	89.65%		
	Efficiency Factor, mmbtu/kwh	0.011151		
21	WEIGHTED BASE CENTRAL STATION +			
	OTHER GENERATION COST ¢/kWh			
	(lines (18 x 19 x 20))	26.46322		
		(2 24077)		
	COST LESS BASE (line(17 - 21))	(3.24877)	TOTAL GENERATION FACTOR, ¢/kWh	
	Revenue Tax Req Multiplier CENTRAL STATION + OTHER GENERATI	1.0975		(3.56553)
24		-		-
	FACTOR, ¢/kWh (line (22 x 23))	-3.56553	37 TOTAL GENERATION FACTOR,	(3 56552)
			¢/kWh (lines 35 + 36)	(3.56553)

### ENERGY COST ADJUSTMENT (ECA) FILING

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

Line 1 E

1 Effective Date	December 1, 2018
2 Supercedes Fact	ors of November 1, 2018

<u>Line</u>	PURCHASED ENERGY COMPON	NENT
38 39	PURCHASED ENERGY PRICE, ¢/kWh LANAI SOLAR RESEARCH - On Peak - Off Peak	30.000 30.000
40	Sch Q	0.000
41 42	PURCHASED ENERGY KWH MIX, % LANAI SOLAR RESEARCH - On Peak - Off Peak	100.00% 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
	% Input to System kWh Mix WEIGHTED COMP. PURCH. ENERGY	5.64%
40	COST, ¢/kWh (lines (44 x 45))	1.69200
48	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh Base % Input to Sys kWh Mix WEIGHTED BASE PURCHASED ENERGY	27.000 10.35
50	COST, ¢/kWh (lines (47 x 48))	2.79450
	COST LESS BASE(lines (46 - 49)) Loss Factor	(1.10250) 1.051
	Revenue Tax Reg Multiplier	1.0975
	PURCHASED ENERGY FACTOR, ¢/kWh (lines (50 x 51 x 52))	(1.27170)

#### Line SYSTEM COMPOSITE CALCULATIONS

54	GENERATION AND PURCHASE	D ENERGY
	FACTOR, ¢/kWh	(4.83723)
	(lines (37 + 53))	
55	Adjustment, ¢/kWh	0.000
56	ECA Reconciliation Adjustment	(0.559)
57	ECA FACTOR, ¢/kWh	(5.396)
	(lines (54 + 55 + 56))	

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

### MONTH END FUEL OIL ESTIMATE

<u> Miki Basin - ULSD</u>	Barrels	MBTU	\$
11/19/2018	3,743.45	21,449.97	468,399.01
Estimated Use	1,499.86	8,594.20	185,658.74
Estimated Received	2,428.57	13,915.71	307,908.43
Estimated Additional		-	-
Estimated End	4,672.16	26,771.48	590,648.70

Next Month's Combined Miki Expense (\$/bbl) = \$ 126.4188 /bbl

Manele CHP	Barrels		MBTU	\$
11/19/2018	193.81		1,110.53	23,464.78
Estimated Use	-		-	-
Estimated Received	-		-	-
Estimated Additional	-		-	-
Estimated End	193.81		1,110.53	23,464.78
Next Month's Manele Expense	(\$/bbl)	=	\$ 121.0710 /bbl	

### FUEL OIL INVENTORY PRICE USED FOR FILING

Type of Oil Burned	Price	Conversion Factor	Prices ¢/MBTU
Diesel - Miki Basin	\$ 126.4188	5.73 BTU/BBL	2,206.26
Diesel - Manele Bay	\$ 121.0710	5.73 BTU/BBL	2,112.93

## **Contract Prices effective November 1, 2018**

TYPE OF OIL BURNED	\$/BBL	¢/MBTU	
MIKI BASIN - ULTRA LOW Tax *	1.6020	<u>27.96 27.96 </u>	
Ocean Transportation	0.0000	0.00	
Storage	0.0000	0.00	
Wharfage	0.0000	0.00	
Whanage	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 *	17.0187	297.01
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

# December 2018

1. Amount to be refunded	(\$35,600)
2. Monthly amount (1 / 3 X Line 1)	(\$11,867)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$13,024)
5. Estimated Sales (December 2018)	2,329 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.559 ¢/kwh

# MAUI ELECTRIC COMPANY, LTD. LANAI DIVISION 2018 Cumulative Reconciliation Balance

	(1)		(2) FOA Rec	(3) FOA Rec	(4)	(5)	(6) Month-end
	YTD FOA		Adjust	Less	Try to	Actual	Cumulative
<u>Month</u>	Reconciliation	<u>Qtr</u>	<u>Variance</u>	Variance	<u>Collect</u>	<u>Collect</u>	<u>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)	(15,859)	(4,469)
Мау	46,000	(1)	(4,105)	50,105	(15,333)	(17,181)	28,455
June					(15,333)	(17,213)	11,242
July					(15,333)	(15,832)	(4,590)
August	28,700	(2)	(4,087)	32,787	(9,567)	(10,519)	17,678
September					(9,567)	(9,882)	7,796
October					(9,567)	(9,471)	(1,675)
November	35,600	(3)	(1,766)	37,366	(11,867)		
December					(11,867)		

# 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		
		11-01-18	12-01-18	11-01-18	12-01-18	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 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		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	0.3183	0.3183	1.27	1.27	0.00
PBF Surcharge	¢/kWh	0.4658	0.4658	1.86	1.86	0.00
Renewable Energy Infrastructure Cost						
Recovery Provision	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Interim Rate Increase (Test Year 2018)	% on Base	6.36	6.36	11.31	11.31	0.00
Energy Cost Adjustment	¢/kWh	-6.037	-5.396	-24.15	-21.58	2.57
Green Infrastructure Fee	\$	1.21	1.21	1.21	1.21	0.00
	-	•				

Avg Residential Bill at 400 kwh

Increase (Decrease -) % Change

169.32

171.89

2.57 1.52%

	Rate			Ī	Charge (\$) at 500 Kwh		
		11-01-18	12-01-18		11-01-18	12-01-18	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 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
Total Base Charges				ĺ	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	0.3183	0.3183		1.59	1.59	0.00
PBF Surcharge	¢/kWh	0.4658	0.4658		2.33	2.33	0.00
Renewable Energy Infrastructure Cost							
Recovery Provision	¢/kWh	0.0000	0.0000		0.00	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000		0.00	0.00	0.00
Interim Rate Increase (Test Year 2018)	% on Base	6.36	6.36		14.10	14.10	0.00
Energy Cost Adjustment	¢/kWh	-6.037	-5.396		-30.19	-26.98	3.21
Green Infrastructure Fee	\$	1.21	1.21		1.21	1.21	0.00
	· ·		LI	Ì			

Avg Residential Bill at 500 kwh

Increase (Decrease -) % Change

213.95

210.74

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

	FUEL FACTOR CENTS / KWH RESIDENTIAL &		( )
EFFECTIVE DATE	COMMERCIAL	<u>@ 400 KWH</u>	<u>@ 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	169.32	210.74
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
June 1, 2018	-6.144	163.86	203.92
July 1, 2018	-5.753	165.46 160.45	205.95
August 1, 2018 September 1, 2018	-7.005 -6.735	160.45 166.53	199.69 207.25
October 1, 2018	-6.372	167.98	207.23
November 1, 2018	-6.037	169.32	210.74
December 1, 2018	-5.396	171.89	213.95
	-3.390	171.09	213.93

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

01/01/11 - 12/31/11RESID. PBF SURCHARGE ADJUSTMENT0.5944CENTS/KWH06/01/11IRP RECOVERY REFUND0.000PERCENT ON BASE08/01/13FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (2012 TEST YEAR01/01/16 - 06/30/16GREEN INFRASTRUCTURE FEE1.3000DOLLARS/MONTH03/01/16 - 02/28/17RENEWABLE ENERGY INFRASTRUCTURE COST0.0099CENTS/KWH04/01/16 - 04/30/16SOLARSAVER ADJUSTMENT-0.1835CENTS/KWH05/01/16 - 03/31/17SOLARSAVER ADJUSTMENT0.0000CENTS/KWH06/01/16 - 06/30/17REVENUE BALANCING ACCOUNT RATE ADJUSTMENT0.5865CENTS/KWH07/01/16 - 12/31/16GREEN INFRASTRUCTURE FEE1.13DOLLARS/MONTH01/01/17 - 08/30/17REEN INFRASTRUCTURE FEE1.27DOLLARS/MONTH03/01/17 - 08/10/17RENEWABLE ENERGY INFRASTRUCTURE COST0.0098CENTS/KWH03/01/17 - 08/30/17SOLARSAVER ADJUSTMENT-0.1378CENTS/KWH04/01/17 - 04/30/17SOLARSAVER ADJUSTMENT-0.1378CENTS/KWH05/01/17 - 03/31/18SOLARSAVER ADJUSTMENT-0.1378CENTS/KWH06/01/17 - 05/31/18REVENUE BALANCING ACCOUNT RATE ADJUSTMENT1.5654CENTS/KWH07/01/17 - 06/30/18GREEN INFRASTRUCTURE FEE1.34DOLLARS/MONTH01/01/17 - 06/30/18SOLARSAVER ADJUSTMENT0.4000CENTS/KWH06/01/17 - 06/30/18SOLARSAVER ADJUSTMENT0.4000CENTS/KWH07/01/17NESID. PBF SURCHARGE ADJUSTMENT1.3400CENTS/KWH07/01/17OS/21/18	EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE		
06/01/11IRP RECOVERY REFUND0.000PERCENT ON BASE08/01/13FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (2012 TEST YEAR01/01/16 - 06/30/16GREEN INFRASTRUCTURE FEE1.3000DOLLARS/MONTH03/01/16 - 02/28/17RENEWABLE ENERGY INFRASTRUCTURE COST0.0099CENTS/KWH04/01/16 - 04/30/16SOLARSAVER ADJUSTMENT-0.1835CENTS/KWH05/01/16 - 05/31/17REVENUE BALANCING ACCOUNT RATE ADJUSTMENT1.4082CENTS/KWH06/01/16 - 05/31/17REVENUE BALANCING ACCOUNT RATE ADJUSTMENT1.4082CENTS/KWH07/01/16 - 12/31/16GREEN INFRASTRUCTURE FEE1.13DOLLARS/MONTH01/01/17 - 06/30/17RESID. PBF SURCHARGE ADJUSTMENT0.0098CENTS/KWH03/01/17 - 08/16/17RENEWABLE ENERGY INFRASTRUCTURE FEE1.27DOLLARS/MONTH03/01/17 - 03/31/18SOLARSAVER ADJUSTMENT-0.1378CENTS/KWH04/01/17 - 04/30/17SOLARSAVER ADJUSTMENT-0.1378CENTS/KWH05/01/17 - 03/31/18SOLARSAVER ADJUSTMENT-0.1378CENTS/KWH06/01/17 - 03/31/18SOLARSAVER ADJUSTMENT0.0000CENTS/KWH07/01/17 - 12/31/17GREEN INFRASTRUCTURE FEE1.18DOLLARS/MONTH07/01/17 - 06/30/18REVENUE BALANCING ACCOUNT RATE ADJUSTMENT0.4244CENTS/KWH07/01/17 - 06/30/18GREEN INFRASTRUCTURE FEE1.344DOLLARS/MONTH07/01/17 - 06/30/18GREEN INFRASTRUCTURE FEE1.344DOLLARS/MONTH01/01/18 - 06/30/18GREEN INFRASTRUCTURE FEE1.344DOLLARS/MONTH <t< td=""><td></td><td></td><td></td><td></td></t<>					
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04/01/18 - 04/30/18     SOLARSAVER ADJUSTMENT     1.3400 CENTS/KWH       05/01/18     SOLARSAVER ADJUSTMENT     0.0000 CENTS/KWH       06/01/18 - 08/22/18     REVENUE BALANCING ACCOUNT RATE ADJUSTMENT     1.8954 CENTS/KWH       07/01/18     RESID. PBF SURCHARGE ADJUSTMENT     0.4658 CENTS/KWH       07/01/18     GREEN INFRASTRUCTURE FEE     1.21 DOLLARS/MONTH       08/23/18     INTERIM RATE INCREASE 2018 TEST YEAR     6.36 PERCENT ON BASE					
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08/23/18 INTERIM RATE INCREASE 2018 TEST YEAR 6.36 PERCENT ON BASE					
VOIZS/10 REVENUE DALANGING ACCOUNTRATE ADJUSTIVIENT 0.3103 CENTS/RWH	08/23/18	REVENUE BALANCING ACCOUNT RATE ADJUSTMEN	0.3183	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.