

# State of Hawaii



## Public Utilities Commission

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Form:	Hawaii PUC eFile Non-Docketed
Entity:	Maui Electric Company, Limited
Confirmation Number:	TYLE15133923276
Date and Time Received:	Sep 28 2015 01:39 PM
Date Filed:	Sep 28 2015

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SHARON M. SUZUKI  
President

September 28, 2015

The Honorable Chair and Members  
of the Hawai'i Public Utilities Commission  
Kekuaanoa Building, First Floor  
465 South King Street  
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Maui Electric Energy Cost Adjustment Factor for October 2015

Maui Electric Company, Limited's ("Maui Electric" or "Company") October 2015 energy cost adjustment factor for our Maui Division is -7.471 cents per kilowatt-hour ("kWh"), a decrease of 1.651 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$148.88, a decrease of \$8.24 compared to rates effective September 1, 2015. The decrease in the typical residential bill is due to the decrease in the energy cost adjustment factor (-\$8.26) and the increase in the Purchased Power Adjustment Clause rate (+\$0.02).

The Company's Maui Division fuel composite cost of generation, central station and other decreased 84.23 cents per million BTU to 1,255.86 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy increased 1.008 cents per kWh to 17.992 cents per kWh.

The energy cost adjustment factor for our Lāna'i Division for October 2015 is -12.259 cents per kWh, a decrease of 1.794 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$138.53, a decrease of \$7.18 compared to rates effective September 1, 2015. 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 147.94 cents per million BTU to 1,582.89 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 October 2015 is -9.896 cents per kWh, a decrease of 3.961 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying \$133.75, a decrease of \$15.84 compared to rates effective September 1, 2015. 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  
September 28, 2015  
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The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 323.06 cents per million BTU to 1,335.83 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, 2015.

Sincerely,

*/s/ Sharon M. Suzuki*

Sharon M. Suzuki  
President

Attachments

cc: Division of Consumer Advocacy

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

**ENERGY COST ADJUSTMENT FACTOR**

	EFFECTIVE DATES		
	<u>09/01/2015</u>	<u>10/01/2015</u>	
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,340.09	1,255.86	(84.23)
DG Energy, ¢/kWh	0.00	0.00	0.000
Purchased Energy, ¢/kWh	16.984	17.992	1.008
 <u>Residential Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(5.820)	(7.471)	(1.651)
 <u>Others - "G,H,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(5.820)	(7.471)	(1.651)
 <u>Residential Customer with</u>			
500 KWH Consumption, \$/Bill	157.12	148.88	(8.24)
600 KWH Consumption, \$/Bill	188.14	178.26	(9.88)

Supersedes Sheet Effective:

September 1, 2015

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

ENERGY COST ADJUSTMENT (ECA) FILING - October 1, 2015 (page 1 of 2)

Line

1 Effective Date October 1, 2015  
2 Supercedes Factors of September 1, 2015

**GENERATION COMPONENT**

<b>CENTRAL STATION</b>								
FUEL PRICES, €/mmbtu								
3	Industrial			801.16				
4	Diesel			1,349.26				
5	Other							
BTU MIX, %								
6	Industrial			17.04%				
7	Diesel			82.96%				
8	Other			0.00%				
				100.00%				
9	COMPOSITE COST OF GENERATION, CENTRAL STATION + OTHER €/mmbtu (Lines (3 x 6) + (4 x 7) + (5 x 8))			1,255.86				
10	% Input to System kWh Mix			81.48%				
EFFICIENCY FACTOR, mmbtu/kWh								
	(A)	(B)	(C)	(D)				
			Percent of					
			Centrl Stn +					
			Other					
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Other</u>	<u>Weighted</u>				
		<u>mmbtu/kwh</u>		<u>Eff Factor</u>				
11	Industrial	0.015126	11.10	0.001679				
12	Diesel	0.010026	88.90	0.008913				
13	Other	0.010951	0.00	-				
	(Lines 11, 12, 13): Col(B) x Col(C) = Col(D)							
14	Weighted Efficiency Factor, mmbtu/kWh [(lines 11(D) + 12(D) + 13(D))]			0.010592				
15	WEIGHTED COMPOSITE CENTRAL STATION + OTHER GENERATION COST, €/kWh (lines (9 x 10 x 14))			10.83853				
16	BASE CENTRAL STATION + OTHER GENERATION COST, €/mmbtu			2,019.39				
17	Base % Input to Sys kWh Mix			78.09				
18	Efficiency Factor, mmbtu/kwh			0.010951				
19	WEIGHTED BASE CENTRAL STATION + OTHER GENERATION COST €/kWh (lines (16 x 17 x 18))			17.26909				
20	COST LESS BASE (line(15 - 19))			(6.43056)				
21	Revenue Tax Req Multiplier			1.0975				
22	CENTRAL STATION + OTHER GENERATION FACTOR, €/kWh (line (20 x 21))			(7.05754)				
					<b><u>DG ENERGY COMPONENT</u></b>			
					23	COMPOSITE COST OF DG ENERGY, €/kWh		0.000
					24	% Input to System kWh Mix		0.00%
					25	WEIGHTED COMPOSITE DG ENERGY COST, €/kWh (Lines 23 x 24)		-
					26	BASE DG ENERGY COMP COST		0.000
					27	Base % Input to System kWh Mix		0.01
					28	WEIGHTED BASE DG ENERGY COST, €/kWh (Line 26 x 27)		0.00000
					29	Cost Less Base (Line 25 - 28)		0.00000
					30	Loss Factor		1.063
					31	Revenue Tax Req Multiplier		1.0975
					32	DG FACTOR, €/kWh (Line 29 x 30 x 31)		0.00000
					SUMMARY OF			
					TOTAL GENERATION FACTOR, €/kWh			
					33	CNTRL STN + OTHER (line 22)		(7.05754)
					34	DG (line 32)		-
					35	TOTAL GENERATION FACTOR, €/kWh (lines 33 + 34)		(7.05754)

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

ENERGY COST ADJUSTMENT (ECA) FILING - October 1, 2015 (page 2 of 2)

Line

1	Effective Date	October 1, 2015
2	Supercedes Factors of	September 1, 2015

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>		
	PURCHASED ENERGY PRICE, ¢/kWh		
36	HC&S - Regular	- On Peak	11.883
37		- Off Peak	10.378
38	HC&S - Unscheduled	- On Peak	11.883
39		- Off Peak	10.378
40	Kaheawa Wind I	- On Peak	13.368
41		- Off Peak	12.569
42	Kaheawa Wind II		18.680
43	Sempra Wind		20.914
44	Hydro & Other	- On Peak	11.883
45		- Off Peak	10.378
46	FIT		22.010
	PURCHASED ENERGY KWH MIX, %		
47	HC&S - Regular	- On Peak	0.00%
48		- Off Peak	0.00%
49	HC&S - Unscheduled	- On Peak	0.00%
50		- Off Peak	0.00%
51	Kaheawa Wind I	- On Peak	17.70%
52		- Off Peak	13.41%
53	Kaheawa Wind II	- On Peak	22.13%
54	Sempra Wind	- On Peak	39.56%
55	Hydro & Other	- On Peak	0.28%
56		- Off Peak	0.20%
57	FIT		6.72%
			<u>100.00%</u>
58	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh		17.992
	(Lines (36 x 49) + (37 x 50) + (38 x 51) + (39 x 52) + (40 x 53) + (41 x 54) + (42 x 55) + (43 x 54) + (44 x 55) + (45 x 56) + (46 x 57))		
59	% Input to System kWh Mix		18.52%
60	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (58 x 59))		3.33212
61	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh		15.847
62	Base % Input to Sys kWh Mix		21.90
63	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (lines (61 x 62))		3.47049
64	COST LESS BASE (lines (60 - 63))		(0.13837)
65	Loss Factor		1.063
66	Revenue Tax Req Multiplier		1.0975
67	PURCHASED ENERGY FACTOR, ¢/kWh (lines (64 x 65 x 66))		(0.16143)

Line

SYSTEM COMPOSITE CALCULATIONS

68	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (35 + 67))	(7.21897)
69	ADJUSTMENT, ¢/kWh	
70	ECA Reconciliation Adjustment	(0.252)
71	ECA FACTOR, ¢/kWh (lines (68 + 69 + 70))	(7.471)

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

**Fuel Oil Inventory Prices for October 2015**

<u>TYPE OF OIL BURNED</u>	<u>PRICES \$/BBL</u>	<u>CONVERSION FACTORS</u>	<u>PRICES ¢/MBTU</u>
INDUSTRIAL	50.4733	6.30 MBTU/BBL	801.16
DIESEL/ULSD	79.0669	5.86 MBTU/BBL	1,349.26

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

**Month End Fuel Oil Estimate**

<u>Kahului</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
9/22/2015	42,169.733	264,951.81	2,139,555.41
Estimated Use	3,716.671	23,288.61	198,700.74
Estimated Received	0.000	0.00	0.00
Estimated Additional	0.000	0.00	0.00
Estimated End	<u>38,453.062</u>	<u>241,663.20</u>	<u>1,940,854.67</u>

**Next month's expense (\$/bbl) = \$ 50.4733**

<u>Maalaea</u>	<u>Barrels</u>	<u>MBTU</u>	<u>(\$)</u>
9/22/2015	78,669.686	460,683.75	6,404,645.59
Estimated Use	22,592.484	132,299.88	1,997,299.82
Estimated Received	53,000.000	310,364.00	4,235,637.95
Estimated Additional	4,024.990	23,586.42	299,658.49
Estimated End	<u>113,102.192</u>	<u>662,334.29</u>	<u>8,942,642.21</u>

**Next month's expense (\$/bbl) = \$ 79.0669**



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

**Contract Prices effective September 1, 2015**

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
<b>INDUSTRIAL</b>		
Tax *	2.9055	46.12
Ocean Transportation	2.0194	32.05
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.2400	3.81
<b>DIESEL</b>		
Tax *	4.9661	84.75
Ocean Transportation	2.0194	34.46
Land Transportation	0.9913	16.92
Storage	2.0625	35.20
Wharfage	0.2400	4.10

\* Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST tax and Environmental Response 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.  
MAUI DIVISION**

**PURCHASED POWER PRICE CALCULATIONS**

<u>HC&amp;S PRICE DETERMINATION:</u>	<u>Avoided Cost *</u>
Firm Power - On Peak, ¢/kWh	11.883
- Off Peak, ¢/kWh	10.378
Emergency - On Peak, ¢/kWh	11.883
- Off Peak, ¢/kWh	10.378

\* Avoided cost for October 2015

KAHEAWA WIND POWER ENERGY RATE:

Kaheawa Wind - On Peak, ¢/kWh	13.368
- Off Peak, ¢/kWh	12.569

Kaheawa Wind Energy Rate Calculations:

Percent of Energy Payment Rate:

Fixed energy payment rate	70%
Flat payment rate	<u>30%</u>
	<u>100%</u>

Fixed Energy Payment Rate (Table D-1) for 2015:

On-peak, ¢/kwh	9.668
Off-peak, ¢/kwh	8.527

Flat Payment Rate Per Docket No. 2011-0192 D&O 30331:

On-peak, ¢/kwh	22.000
Off-peak, ¢/kwh	22.000

On-Peak Rate =  $9.668 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 13.368 \text{ ¢/kwh}$

Off-Peak Rate =  $8.527 \text{ ¢/kwh} \times 0.7 + 22.000 \text{ ¢/kwh} \times 0.3 = 12.569 \text{ ¢/kwh}$

**MAUI ELECTRIC COMPANY, LTD.**  
**Maui Division**  
**ECA Reconciliation Adjustment**  
**October 2015**

1. Amount to be Refunded	(\$635,000)
2. Monthly amount (1 / 3 X Line 1)	(\$211,667)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$232,308)
5. Estimated Sales (October 2015)	92,223 mwh
6. Adjustment (Line 4 ÷ Line 5)	(0.252) ¢/kwh

**MAUI ELECTRIC COMPANY, LTD.  
MAUI DIVISION  
2015 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 '14					202,500	208,355	(201,840)
January '15					202,500	198,116	(3,724)
February	1,511,200	(4)	655	1,510,545	(503,733)	(523,409)	983,412
March					(503,733)	(506,321)	477,091
April					(503,733)	(531,689)	(54,598)
May	625,000	(1)	(26,648)	651,648	(208,333)	(207,610)	389,440
June					(208,333)	(218,425)	171,015
July					(208,333)	(231,767)	(60,752)
August	635,000	(2)	(37,325)	672,325	(211,667)	(236,000)	375,573
September					(211,667)		
October					(211,667)		

## NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 5)  
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.**  
**Maui Division**  
**Calculations of the Average Residential Customer Bill**

	Rate		Charge (\$) at 500 Kwh			
	09/01/15	10/01/15	09/01/15	10/01/15	Difference	
<b>Base Rates</b>	effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	23.0016	23.0016	115.01	115.01	0.00
Non-fuel Fuel Energy Charge						
First 350 kWh per month	¢/kWh	9.3393	9.3393	32.69	32.69	0.00
Next 850 kWh per month	¢/kWh	11.5993	11.5993	17.40	17.40	0.00
Customer Charge	\$	8.50	8.50	8.50	8.50	0.00
<b>Total Base Charges</b>				173.60	173.60	0.00
<b>RBA Rate Adjustment</b>	¢/kWh	1.5987	1.5987	7.99	7.99	0.00
<b>PBF Surcharge</b>	¢/kWh	0.4749	0.4749	2.37	2.37	0.00
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0103	0.0103	0.05	0.05	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Purchased Power Adjustment</b>	¢/kWh	0.1573	0.1612	0.79	0.81	0.02
<b>Energy Cost Adjustment</b>	¢/kWh	-5.820	-7.471	-29.10	-37.36	-8.26
<b>Green Infrastructure Fee</b>	\$	1.42	1.42	1.42	1.42	0.00
<b>Avg Residential Bill at 500 kwh</b>				157.12	148.88	

Increase (Decrease -)	-8.24
% Change	-5.24%

	Rate		Charge (\$) at 600 Kwh			
	09/01/15	10/01/15	09/01/15	10/01/15	Difference	
<b>Base Rates</b>	effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	23.0016	23.0016	138.01	138.01	0.00
Non-fuel Fuel Energy Charge						
First 350 kWh per month	¢/kWh	9.3393	9.3393	32.69	32.69	0.00
Next 850 kWh per month	¢/kWh	11.5993	11.5993	29.00	29.00	0.00
Customer Charge	\$	8.50	8.50	8.50	8.50	0.00
<b>Total Base Charges</b>				208.20	208.20	0.00
<b>RBA Rate Adjustment</b>	¢/kWh	1.5987	1.5987	9.59	9.59	0.00
<b>PBF Surcharge</b>	¢/kWh	0.4749	0.4749	2.85	2.85	0.00
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0103	0.0103	0.06	0.06	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Purchased Power Adjustment</b>	¢/kWh	0.1573	0.1612	0.94	0.97	0.03
<b>Energy Cost Adjustment</b>	¢/kWh	-5.820	-7.471	-34.92	-44.83	-9.91
<b>Green Infrastructure Fee</b>	\$	1.42	1.42	1.42	1.42	0.00
<b>Avg Residential Bill at 600 kwh</b>				188.14	178.26	

Increase (Decrease -)	-9.88
% Change	-5.25%

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

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR CENTS / KWH</u>		<u>RESIDENTIAL BILL (\$)</u>	
	<u>RESIDENTIAL &amp; COMMERCIAL</u>		<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2012	8.030		195.03	233.08
February 1, 2012	6.306		186.40	222.73
March 1, 2012	6.761		188.68	225.46
April 1, 2012	7.218		189.76	226.76
May 1, 2012	8.690		198.32	237.03
May 4, 2012	11.832		196.46	235.63
June 1, 2012	11.776		201.69	241.90
July 1, 2012	10.387		194.75	233.56
August 1, 2012	8.356		184.52	221.30
September 1, 2012	7.827		181.88	218.12
October 1, 2012	9.087		188.18	225.68
November 1, 2012	12.583		205.50	246.47
December 1, 2012	12.480		204.98	245.85
January 1, 2013	11.223		199.25	238.96
February 1, 2013	9.649		191.15	229.23
March 1, 2013	9.897		192.39	230.72
April 1, 2013	10.342		193.58	232.16
May 1, 2013	9.969		193.04	231.49
June 1, 2013	8.972		192.09	230.35
July 1, 2013	8.113		188.03	225.48
August 1, 2013	0.827		186.89	224.13
September 1, 2013	1.230		188.88	226.53
October 1, 2013	2.268		194.08	232.77
November 1, 2013	2.624		195.32	234.25
December 1, 2013	1.889		191.68	229.88
January 1, 2014	1.733		190.94	229.00
February 1, 2014	2.238		193.25	231.77
March 1, 2014	1.978		192.02	230.29
April 1, 2014	1.754		189.62	227.42
May 1, 2014	2.175		193.66	232.25
June 1, 2014	1.675		195.24	234.15
July 1, 2014	1.679		196.18	235.28
August 1, 2014	1.134		193.54	232.12
September 1, 2014	0.855		192.16	230.46
October 1, 2014	0.880		192.27	230.60
November 1, 2014	1.135		193.01	231.48
December 1, 2014	0.325		188.98	226.39
January 1, 2015	-0.702		183.85	220.24
February 1, 2015	-4.255		165.96	198.78
March 1, 2015	-7.740		148.62	177.96
April 1, 2015	-6.921		151.30	181.18
May 1, 2015	-6.092		157.06	188.10
June 8, 2015	-4.794		163.43	195.74
July 1, 2015	-4.336		164.44	196.93
August 1, 2015	-4.415		164.11	196.54
September 1, 2015	-5.820		157.12	188.14
October 1, 2015	-7.471		148.88	178.26

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
01/01/11 - 12/31-11	RESID. PBF SURCHARGE ADJUSTMENT	0.5944 CENTS/KWH
01/12/11 - 05/03/12	FINAL RATE INCREASE (3.65%), DOCKET NO. 2006-0387 (2007 TEST YEAR)	
01/12/11 - 05/03/12	INTERIM RATE INCREASE 2010 TEST YEAR	2.44 PERCENT ON BASE
01/12/11 - 01/31/11	FIRM CAP SURCHARGE	0.081 PERCENT ON BASE
02/01/11 - 04/30/11	FIRM CAP SURCHARGE	0.0515 PERCENT ON BASE
02/01/11 - 02/28/11	IRP RECOVERY REFUND	-3.630 PERCENT ON BASE
03/01/11 - 04/30/11	IRP RECOVERY REFUND	0.000 PERCENT ON BASE
04/01/11 - 04/30/11	SOLARSAVER ADJUSTMENT	-0.0888 CENTS/KWH
05/01/11 - 03/31/12	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/11 - 05/31/11	IRP RECOVERY REFUND	-0.339 PERCENT ON BASE
05/01/11 - 07/31/11	FIRM CAP SURCHARGE	-0.0180 PERCENT ON BASE
<b>06/01/11</b>	<b>IRP RECOVERY REFUND</b>	<b>0.000 PERCENT ON BASE</b>
08/01/11 - 10/31/11	FIRM CAP SURCHARGE	-0.0056 PERCENT ON BASE
11/01/11 - 01/31/12	FIRM CAP SURCHARGE	0.0047 PERCENT ON BASE
01/01/12 - 12/31/12	RESID. PBF SURCHARGE ADJUSTMENT	0.6766 CENTS/KWH
02/01/12 - 05/03/12	FIRM CAP SURCHARGE	0.0000 PERCENT ON BASE
04/01/12 - 04/30/12	SOLARSAVER ADJUSTMENT	-0.2392 CENTS/KWH
05/01/12 - 03/31/13	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/4/2012 - 07/31/13	FINAL RATE INCREASE (1.51%), DOCKET NO. 2009-0163 (2010 TEST YEAR)	
05/04/12 - 07/31/12	PURCHASED POWER ADJUSTMENT	0.1889 CENTS/KWH
06/1/2012 - 07/31/13	INTERIM RATE INCREASE 2012 TEST YEAR	4.14 PERCENT ON BASE
08/01/12 - 10/31/12	PURCHASED POWER ADJUSTMENT	0.1747 CENTS/KWH
11/1/2012 - 01/31/13	PURCHASED POWER ADJUSTMENT	0.1427 CENTS/KWH
01/01/13 - 06/30/13	RESID. PBF SURCHARGE ADJUSTMENT	0.7850 CENTS/KWH
02/01/13 - 04/30/13	PURCHASED POWER ADJUSTMENT	0.1530 CENTS/KWH
04/01/13 - 04/30/13	SOLARSAVER ADJUSTMENT	-0.2053 CENTS/KWH
05/01/13 - 03/31/14	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/13 - 07/31/13	PURCHASED POWER ADJUSTMENT	0.1530 CENTS/KWH
06/01/13 - 05/31/14	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.8071 CENTS/KWH
07/01/13 - 06/30/14	RESID. PBF SURCHARGE ADJUSTMENT	0.8312 CENTS/KWH
<b>08/01/13</b>	<b>FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (2012 TEST YEAR)</b>	
08/01/13 - 08/31/13	PURCHASED POWER ADJUSTMENT	0.1892 CENTS/KWH
09/01/13 - 09/30/13	PURCHASED POWER ADJUSTMENT	0.1865 CENTS/KWH
10/01/13 - 10/31/13	PURCHASED POWER ADJUSTMENT	0.1877 CENTS/KWH
11/01/13 - 11/30/13	PURCHASED POWER ADJUSTMENT	0.0808 CENTS/KWH
12/01/13 - 12/31/13	PURCHASED POWER ADJUSTMENT	0.0861 CENTS/KWH
01/01/14 - 01/31/14	PURCHASED POWER ADJUSTMENT	0.0943 CENTS/KWH
02/01/14 - 02/28/14	PURCHASED POWER ADJUSTMENT	0.0514 CENTS/KWH
03/01/14 - 03/31/14	PURCHASED POWER ADJUSTMENT	0.0650 CENTS/KWH
04/01/14 - 04/30/14	PURCHASED POWER ADJUSTMENT	0.0560 CENTS/KWH
04/01/14 - 04/30/14	SOLARSAVER ADJUSTMENT	-0.2453 CENTS/KWH
05/01/14 - 03/31/15	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
05/01/14 - 06/30/14	PURCHASED POWER ADJUSTMENT	0.1957 CENTS/KWH
06/01/14 - 05/31/15	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.6239 CENTS/KWH
07/01/14 - 07/31/14	PURCHASED POWER ADJUSTMENT	0.1960 CENTS/KWH
07/01/14 - 11/30/14	RESID. PBF SURCHARGE ADJUSTMENT	1.0157 CENTS/KWH
08/01/14 - 08/31/14	PURCHASED POWER ADJUSTMENT	0.2145 CENTS/KWH
09/01/14 - 09/30/14	PURCHASED POWER ADJUSTMENT	0.2159 CENTS/KWH
10/01/14 - 10/31/14	PURCHASED POWER ADJUSTMENT	0.2149 CENTS/KWH
11/01/14 - 11/30/14	PURCHASED POWER ADJUSTMENT	0.1066 CENTS/KWH
12/01/14 - 12/31/14	PURCHASED POWER ADJUSTMENT	0.1108 CENTS/KWH
12/01/14 - 06/30/15	RESID. PBF SURCHARGE ADJUSTMENT	0.7583 CENTS/KWH
12/01/14 - 06/30/15	GREEN INFRASTRUCTURE FEE	1.29 DOLLARS/MONTH
01/01/15 - 01/31/15	PURCHASED POWER ADJUSTMENT	0.1117 CENTS/KWH
02/01/15 - 02/28/15	PURCHASED POWER ADJUSTMENT	0.0875 CENTS/KWH
03/01/15 - 03/31/15	PURCHASED POWER ADJUSTMENT	0.1036 CENTS/KWH
04/01/15 - 04/30/15	PURCHASED POWER ADJUSTMENT	0.0963 CENTS/KWH
04/01/15 - 04/30/15	SOLARSAVER ADJUSTMENT	-0.2744 CENTS/KWH
05/01/15 - 05/31/15	PURCHASED POWER ADJUSTMENT	0.1444 CENTS/KWH
<b>05/01/15</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
06/01/15 - 06/30/15	PURCHASED POWER ADJUSTMENT	0.1453 CENTS/KWH
06/01/15 - 06/07/15	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.0000 CENTS/KWH
<b>06/08/15</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>1.5987 CENTS/KWH</b>
07/01/15 - 07/31/15	PURCHASED POWER ADJUSTMENT	0.1482 CENTS/KWH
<b>07/01/15</b>	<b>RESID. PBF SURCHARGE ADJUSTMENT</b>	<b>0.4749 CENTS/KWH</b>
<b>07/01/15</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.42 DOLLARS/MONTH</b>
08/01/15 - 08/31/15	PURCHASED POWER ADJUSTMENT	0.1613 CENTS/KWH
<b>08/17/15</b>	<b>RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION</b>	<b>0.0103 CENTS/KWH</b>
09/01/15 - 09/30/15	PURCHASED POWER ADJUSTMENT	0.1573 CENTS/KWH
<b>10/01/15</b>	<b>PURCHASED POWER ADJUSTMENT</b>	<b>0.1612 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.

**Maui Electric Company, Ltd. - Maui Division  
Residential Bill at 600 kWh/Month Consumption**

