

# State of Hawaii



## Public Utilities Commission

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Form:	Hawaii PUC eFile Non-Docketed
Entity:	Maui Electric Company, Limited
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SHARON M. SUZUKI  
President

May 27, 2015

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

Dear Commissioners:

Subject: Maui Electric Energy Cost Adjustment Factor for June 2015

Maui Electric Company, Limited's ("Maui Electric" or "Company") June 2015 energy cost adjustment factor for our Maui Division is -4.794 cents per kilowatt-hour ("kWh"), an increase of 1.298 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will realize an increase of \$6.49 for the increase in the energy cost adjustment factor.

The Company's Maui Division fuel composite cost of generation, central station and other increased 59.86 cents per million BTU to 1,366.23 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy decreased 0.690 cents per kWh to 18.525 cents per kWh.

The energy cost adjustment factor for our Lāna'i Division for June 2015 is -8.842 cents per kWh, an increase of 0.908 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will realize an increase of \$3.63 for the increase in the energy cost adjustment factor.

The Company's Lāna'i Division fuel composite cost of generation, central station and other increased 70.72 cents per million BTU to 1,885.22 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 June 2015 is -7.453 cents per kWh, a decrease of 0.726 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will realize a decrease of \$2.90 for the decrease in the energy cost adjustment factor.

The Company's Moloka'i Division fuel composite cost of generation, central station and other decreased 59.04 cents per million BTU to 1,542.07 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 Honorable Chair and Members  
of the Hawai'i Public Utilities Commission  
May 27, 2015  
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Since the Company's Revenue Balancing Account rate adjustment proposal with an effective date of June 1, 2015 in Transmittal No. 15-05 is pending review by the Commission, the Company will file revised versions of Attachments 1, 7, 8A, 8B, 9, 10, 15, 16A, 16B, 17, 22, 23A, and 23B reflecting the impact of the Commission's decision on Transmittal No. 15-05, once such decision is made.

The attached sheets set forth the fuel adjustment in cents per kWh for each rate schedule that is applicable for prorata use beginning June 1, 2015.

Sincerely,

*/s/ Sharon M. Suzuki*

Sharon M. Suzuki  
President

Attachments

cc: Division of Consumer Advocacy

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

**ENERGY COST ADJUSTMENT FACTOR**

	EFFECTIVE DATES		<u>Change</u>
	<u>05-01-15</u>	<u>06-01-15</u>	
<u>COMPOSITE COSTS</u>			
Generation, Central Station & Other, ¢/mbtu	1,601.11	1,542.07	(59.04)
DG Energy, ¢/kWh	0.00	0.00	0.00
Purchased Energy, ¢/kWh	21.80	21.80	0.00
<u>Residential Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(6.727)	(7.453)	(0.726)
<u>Others - "G,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(6.727)	(7.453)	(0.726)
<u>Residential Customer with</u>			
400 KWH Consumption, \$/Bill	147.49	TBD	TBD
500 KWH Consumption, \$/Bill	183.55	TBD	TBD

TBD - To Be Determined

Supersedes Sheet Effective: May 1, 2015



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

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

<u>Line</u>		
1	Effective Date	June 1, 2015
2	Supercedes Factors	May 1, 2015

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>	
	PURCHASED ENERGY PRICE, ¢/kWh	
36	FIT	21.800
37		0.000
38	Sch 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 (Lines (36 x 39) + (37 x 40) + (38 x 41))	21.800
43	% Input to System kWh Mix	0.23
44	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (42 x 43))	0.04956
45	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh	21.800
46	Base % Input to Sys kWh Mix	0.09
47	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (lines (45 x 46))	0.01962
48	COST LESS BASE (lines (44 - 47))	0.02994
49	Loss Factor	1.095
50	Revenue Tax Req Multiplier	1.0975
51	PURCHASED ENERGY FACTOR, ¢/kWh (lines (48 x 49 x 50))	0.03598

<u>Line</u>	<u>SYSTEM COMPOSITE CALCULATIONS</u>	
52	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (35 + 51))	(7.38534)
53	Adjustment, ¢/kWh	0.000
54	ECA Reconciliation Adjustment	(0.068)
55	ECA FACTOR, ¢/kWh (lines (52 + 53 + 54))	(7.453)

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

**MONTH END FUEL OIL ESTIMATE**

	<u>Barrels</u>	<u>MBTU</u>	<u>\$</u>
5/20/2015	3,948.973	22,627.61	366,606.08
Estimated Use	1,630.905	9,345.09	149,625.26
Estimated Received	5,500.00	31,515.00	473,827.54
Estimated Additional	-	-	-
Estimated End	<u>7,818.068</u>	<u>44,797.53</u>	<u>690,808.36</u>

Next Months Expense = \$ 88.3605 /bbl

June 2015

MBTU Forecast 25,533

**FUEL OIL INVENTORY PRICE USED FOR FILING**

<u>Type of Oil Burned</u>	<u>Price</u>		<u>Prices ¢/MBTU</u>
Diesel	\$ 88.3605	5.73 BTU/BBL	1542.07

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

**Contract Prices effective May 1, 2015**

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
<b>ULTRA LOW SULFUR DIESEL</b>		
Tax *	1.8900	32.98
Ocean Transportation	1.7573	30.67
Storage	5.0579	88.27
Wharfage	0.2300	4.01

\* 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.**  
**Molokai Division**  
**ECA Reconciliation Adjustment**  
**June 2015**

1. Amount to be refunded	(\$4,200)
2. Monthly amount (1/3 x Line 1)	(\$1,400)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$1,537)
5. Estimated Sales (June 2015)	2,264 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.068 ¢/kwh

**MAUI ELECTRIC COMPANY, LTD.  
MOLOKAI 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					6,300	6,339	(6,413)
January '15					6,300	5,861	(552)
February	26,100	(4)	(105)	26,205	(8,700)	(9,018)	16,635
March					(8,700)	(8,772)	7,863
April					(8,700)	(8,968)	(1,105)
May	4,200	(1)	(829)	5,029	(1,400)		
June					(1,400)		

## NOTES:

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

	Rate		Charge (\$) at 400 Kwh		
	05-01-15	06-01-15	05-01-15	06-01-15	Difference
effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge ¢/kWh	26.3468	26.3468	105.39	105.39	0.00
Non-fuel Fuel Energy Charge First 250 kWh per month ¢/kWh	11.4278	11.4278	28.57	28.57	0.00
Next 500 kWh per month ¢/kWh	14.0778	14.0778	21.12	21.12	0.00
Customer Charge \$	8.50	8.50	8.50	8.50	0.00
<b>Total Base Charges</b>			163.58	163.58	0.00
<b>IRP Refund</b>					
% on base	0.000	0.000	0.00	0.00	0.00
<b>Revenue Balancing Rate Adjustment</b> ¢/kWh	1.6239	TBD	6.50	TBD	TBD
<b>PBF Adjustment</b> ¢/kWh	0.7583	0.7583	3.03	3.03	0.00
<b>SolarSaver Adjustment</b> ¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Adjustment</b> ¢/kWh	-6.727	-7.453	-26.91	-29.81	-2.90
<b>Green Infrastructure Fee</b> \$	1.29	1.29	1.29	1.29	0.00
<b>Avg Residential Bill at 400 kwh</b>			147.49	TBD	

Increase (Decrease -)	TBD
% Change	TBD

	Rate		Charge (\$) at 500 Kwh		
	05-01-15	06-01-15	05-01-15	06-01-15	Difference
effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge ¢/kWh	26.3468	26.3468	131.73	131.73	0.00
Non-fuel Fuel Energy Charge First 250 kWh per month ¢/kWh	11.4278	11.4278	28.57	28.57	0.00
Next 500 kWh per month ¢/kWh	14.0778	14.0778	35.19	35.19	0.00
Customer Charge \$	8.50	8.50	8.50	8.50	0.00
<b>Total Base Charges</b>			203.99	203.99	0.00
<b>IRP Refund</b>					
% on base	0.000	0.000	0.00	0.00	0.00
<b>Revenue Balancing Rate Adjustment</b> ¢/kWh	1.6239	TBD	8.12	TBD	TBD
<b>PBF Adjustment</b> ¢/kWh	0.7583	0.7583	3.79	3.79	0.00
<b>SolarSaver Adjustment</b> ¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Adjustment</b> ¢/kWh	-6.727	-7.453	-33.64	-37.27	-3.63
<b>Green Infrastructure Fee</b> \$	1.29	1.29	1.29	1.29	0.00
<b>Avg Residential Bill at 500 kwh</b>			183.55	TBD	

TBD - To Be Determined

Increase (Decrease -)	TBD
% Change	TBD

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

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		<u>RESIDENTIAL BILL (\$)</u>	
	<u>RESIDENTIAL &amp; COMMERCIAL</u>		<u>@ 400 KWH</u>	<u>@ 500 KWH</u>
January 1, 2012	8.153		182.75	227.25
February 1, 2012	6.862		177.59	220.79
March 1, 2012	7.181		178.86	222.39
April 1, 2012	7.814		180.44	224.35
May 1, 2012	9.578		188.45	234.37
May 4, 2012	14.363		187.96	234.46
June 1, 2012	14.494		193.74	241.66
July 1, 2012	13.474		189.66	236.56
August 1, 2012	11.811		183.00	228.25
September 1, 2012	9.791		174.92	218.15
October 1, 2012	11.195		180.54	225.17
November 1, 2012	12.697		186.55	232.68
December 1, 2012	13.411		189.40	236.25
January 1, 2013	12.142		184.76	230.45
February 1, 2013	8.830		171.51	213.89
March 1, 2013	13.912		191.84	239.30
April 1, 2013	15.452		197.18	245.97
May 1, 2013	14.226		193.09	240.87
June 1, 2013	13.243		192.39	240.00
July 1, 2013	11.691		186.36	232.47
August 1, 2013	4.036		186.27	232.37
September 1, 2013	4.010		186.17	232.24
October 1, 2013	4.206		186.95	233.22
November 1, 2013	5.770		193.21	241.04
December 1, 2013	4.928		189.84	236.83
January 1, 2014	3.885		185.67	231.62
February 1, 2014	4.590		188.49	235.14
March 1, 2014	4.652		188.74	235.45
April 1, 2014	4.585		187.49	233.89
May 1, 2014	4.690		188.89	235.64
June 1, 2014	4.779		192.52	240.17
July 1, 2014	5.145		194.72	242.92
August 1, 2014	4.697		192.93	240.68
September 1, 2014	-2.835		162.80	203.01
October 1, 2014	1.864		181.60	226.51
November 1, 2014	2.683		184.87	230.61
December 1, 2014	1.266		179.46	223.52
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 1, 2015	-7.453		TBD	TBD

TBD - To Be Determined

**MAUI ELECTRIC COMPANY, LTD. -- Molokai 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 (3.66%), DOCKET NO. 2006-0387 (2007 TEST YEAR)	
01/12/11 - 05/03/12	INTERIM RATE INCREASE 2010 TEST YEAR	2.38 PERCENT ON BASE
02/01/11 - 02/28/11	IRP RECOVERY REFUND	-3.472 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	-0.204 PERCENT ON BASE
<b>06/01/11</b>	<b>IRP RECOVERY REFUND</b>	<b>0.000 PERCENT ON BASE</b>
01/01/12 - 12/31/12	RESID. PBF SURCHARGE ADJUSTMENT	0.6766 CENTS/KWH
04/01/12 - 04/30/12	SOLARSAVER ADJUSTMENT	-0.2392 CENTS/KWH
05/01/12 - 03/31/13	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
5/4/2012 - 7/31/13	FINAL RATE INCREASE (1.51%), DOCKET NO. 2009-0163 (2010 TEST YEAR)	
6/1/2012- 7/31/13	INTERIM RATE INCREASE 2012 TEST YEAR	4.11 PERCENT ON BASE
01/01/13 - 06/30/13	RESID. PBF SURCHARGE ADJUSTMENT	0.7850 CENTS/KWH
04/01/13 - 04/30/13	SOLARSAVER ADJUSTMENT	-0.205 CENTS/KWH
05/01/13 - 03/31/14	SOLARSAVER ADJUSTMENT	0.000 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>	
04/01/14 - 04/30/14	SOLARSAVER ADJUSTMENT	-0.2453 CENTS/KWH
05/01/14 - 03/31/15	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
<b>06/01/14</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>1.6239 CENTS/KWH</b>
07/01/14 -11/30/14	RESID. PBF SURCHARGE ADJUSTMENT	1.0157 CENTS/KWH
<b>12/01/14</b>	<b>RESID. PBF SURCHARGE ADJUSTMENT</b>	<b>0.7583 CENTS/KWH</b>
<b>12/01/14</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.29 DOLLARS/MONTH</b>
04/01/15 - 04/30/15	SOLARSAVER ADJUSTMENT	-0.2744 CENTS/KWH
<b>05/01/15</b>	<b>SOLARSAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
<b>TBD</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>TBD CENTS/KWH</b>

TBD - To Be Determined

~ Surcharges currently in effect are in bold.

~ Base charges include customer charge, demand charge, energy charge, power factor adjustment, voltage discount and minimum charge.