2015-11-25 MECO ECAC - December 2015.pdf

State of Hawaii

Public Utilities Commission

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SHARON M. SUZUKI
President

November 25, 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 December 2015

Maui Electric Company, Limited's ("Maui Electric" or "Company") December 2015 energy cost adjustment factor for our Maui Division is -8.557 cents per kilowatt-hour ("kWh"), an increase of 0.094 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying $142.07, an increase of $0.50 compared to rates effective November 1, 2015. The increase in the typical residential bill is due to the increase in the energy cost adjustment factor (+$0.47) and the increase in the Purchased Power Adjustment Clause rate (+$0.03).

The Company's Maui Division fuel composite cost of generation, central station and other decreased 43.57 cents per million BTU to 1,124.60 cents per million BTU. The composite cost of DG energy is 0.00 cents per kWh. The composite cost of purchased energy increased 0.299 cents per kWh to 17.726 cents per kWh.

The energy cost adjustment factor for our Lāna‘i Division for December 2015 is -11.304 cents per kWh, an increase of 0.873 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying $142.35, an increase of $3.49 compared to rates effective November 1, 2015.

The Company's Lāna‘i Division fuel composite cost of generation, central station and other increased 68.09 cents per million BTU to 1,661.65 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 December 2015 is -9.676 cents per kWh, an increase of 0.473 cents per kWh from last month. A residential customer consuming 400 kWh of electricity will be paying $134.63, an increase of $1.90 compared to rates effective November 1, 2015.

The Company's Moloka‘i Division fuel composite cost of generation, central station and other increased 38.47 cents per million BTU to 1,360.80 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, 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 11/01/2015	12/01/2015	
COMPOSITE COSTS			
Generation, Central Station & Other, ¢/mbtu	1,168.17	1,124.60	(43.57)
DG Energy, ¢/kWh	0.00	0.00	0.000
Purchased Energy, ¢/kWh	17.427	17.726	0.299
Residential Schedule "R"			
Energy Cost Adjustment, ¢/kWh	(8.651)	(8.557)	0.094
Others - "G,H,P,F"			
Energy Cost Adjustment, ¢/kWh	(8.651)	(8.557)	0.094
Residential Customer with			
500 KWH Consumption, $/Bill	141.57	142.07	0.50
600 KWH Consumption, $/Bill	169.49	170.10	0.61

Supersedes Sheet Effective: November 1, 2015

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

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

Line		
1	Effective Date	December 1, 2015
2	Supercedes Factors of	November 1, 2015

GENERATION COMPONENT

CENTRAL STATION

FUEL PRICES, ¢/mmbtu

3	Industrial	656.11
4	Diesel	1,310.61
5	Other	

BTU MIX, %

6	Industrial	28.42%
7	Diesel	71.58%
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))	1,124.60
10	% Input to System kWh Mix	79.44%

EFFICIENCY FACTOR, mmbtu/kWh

	(A) Fuel Type	(B) Eff Factor mmbtu/kwh	(C) Percent of Centrl Stn + Other	(D) Weighted Eff Factor
11	Industrial	0.015126	20.08	0.003037
12	Diesel	0.010026	79.92	0.008013
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)]	0.011050
15	WEIGHTED COMPOSITE CENTRAL STATION + OTHER GENERATION COST, ¢/kWh (lines (9 x 10 x 14))	9.87187
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))	(7.39722)
21	Revenue Tax Req Multiplier	1.0975
22	CENTRAL STATION + OTHER GENERATION FACTOR, ¢/kWh (line (20 x 21))	(8.11845)

DG ENERGY COMPONENT

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)	(8.11845)
34	DG (line 32)	-
35	TOTAL GENERATION FACTOR, ¢/kWh (lines 33 + 34)	(8.11845)

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

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

Line		
1	Effective Date	December 1, 2015
2	Supercedes Factors of	November 1, 2015

Line	**PURCHASED ENERGY COMPONENT**		
	PURCHASED ENERGY PRICE, ¢/kWh		
36	HC&S - Regular Energy	- On Peak	19.100
37		- Off Peak	19.100
38			
39			
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	11.188
45		- Off Peak	9.781
46	FIT		22.010
	PURCHASED ENERGY KWH MIX, %		
47	HC&S - Regular Energy	- On Peak	0.00%
48		- Off Peak	0.00%
49			
50			
51	Kaheawa Wind I	- On Peak	18.47%
52		- Off Peak	14.80%
53	Kaheawa Wind II	- On Peak	25.33%
54	Sempra Wind	- On Peak	36.06%
55	Hydro & Other	- On Peak	0.26%
56		- Off Peak	0.19%
57	FIT		4.89%
			100.00%
58	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh (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)		17.726
59	% Input to System kWh Mix		20.56%
60	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (58 x 59))		3.64447
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))		0.17398
65	Loss Factor		1.063
66	Revenue Tax Req Multiplier		1.0975
67	PURCHASED ENERGY FACTOR, ¢/kWh (lines (64 x 65 x 66))		0.20297

Line	SYSTEM COMPOSITE CALCULATIONS	
68	GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (35 + 67))	(7.91548)
69	ADJUSTMENT, ¢/kWH	
70	ECA Reconciliation Adjustment	(0.642)
71	ECA FACTOR, ¢/kWh (lines (68 + 69 + 70))	(8.557)

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION

Fuel Oil Inventory Prices for December 2015

TYPE OF OIL BURNED	PRICES $/BBL	CONVERSION FACTORS		PRICES ¢/MBTU
INDUSTRIAL	41.3350	6.30	MBTU/BBL	656.11
DIESEL/ULSD	76.8017	5.86	MBTU/BBL	1,310.61

Maui Electric Company, Ltd.
Maui Division

Month End Fuel Oil Estimate

Kahului	Barrels	MBTU	($)
11/19/2015	40,342.712	253,585.94	1,878,163.94
Estimated Use	888.707	26,992.50	260,419.74
Estimated Received	14,000.000	88,200.00	591,776.46
Estimated Additional	0.000	0.00	0.00
Estimated End	53,454.005	314,793.44	2,209,520.66

Next month's expense ($/bbl) = $ 41.3350

Maalaea	Barrels	MBTU	($)
11/19/2015	110,811.308	649,024.89	8,426,245.95
Estimated Use	34,980.980	204,884.56	2,622,534.55
Estimated Received	42,300.000	247,752.27	3,268,895.63
Estimated Additional	0.000	0.00	0.00
Estimated End	118,130.328	691,892.60	9,072,607.03

Next month's expense ($/bbl) = $ 76.8017

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION

Contract Prices effective November 1, 2015

TYPE OF OIL BURNED	$/BBL	¢/MBTU
INDUSTRIAL		
Tax *	2.7240	43.24
Ocean Transportation	1.9038	30.22
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.2400	3.81
DIESEL		
Tax *	4.8807	83.29
Ocean Transportation	1.9038	32.49
Land Transportation	0.9168	15.64
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

HC&S PRICE DETERMINATION:	Cost
HC&S Regular Energy, ¢/kWh	19.100

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	30%
	100%

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 ¢/kwh x 0.7 + 22.000 ¢/kwh x 0.3 = 13.368 ¢/kwh
Off-Peak Rate = 8.527 ¢/kwh x 0.7 + 22.000 ¢/kwh x 0.3 = 12.569 ¢/kwh

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

1. Amount to be Refunded	($1,554,200)	
2. Monthly amount (1 / 3 X Line 1)	($518,067)	
3. Revenue Tax Divisor	0.91115	
4. Total (Line 2 / Line 3)	($568,586)	
5. Estimated Sales (December 2015)	88,524	mwh
6. Adjustment (Line 4 ÷ Line 5)	(0.642)	¢/kwh

MAUI ELECTRIC COMPANY, LTD.
MAUI DIVISION
2015 Cumulative Reconciliation Balance

Month	(1) YTD FOA Reconciliation	Qtr	(2) FOA Rec Adjust Variance	(3) FOA Rec Less Variance	(4) Try to Collect	(5) Actual Collect	(6) Month-end Cumulative Balance
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)	(241,853)	133,720
October					(211,667)	(217,152)	(83,432)
November	1,554,200	(3)	(77,953)	1,632,153	(518,067)		
December					(518,067)		

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		
		11/01/15	12/01/15	11/01/15	12/01/15	Difference
Base Rates	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 kWhr per month	¢/kWh	9.3393	9.3393	32.69	32.69	0.00
Next 850 kWhr 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
Total Base Charges				173.60	173.60	0.00
RBA Rate Adjustment	¢/kWh	1.5987	1.5987	7.99	7.99	0.00
PBF Surcharge	¢/kWh	0.4749	0.4749	2.37	2.37	0.00
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0103	0.0103	0.05	0.05	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Purchased Power Adjustment	¢/kWh	-0.1207	-0.1139	-0.60	-0.57	0.03
Energy Cost Adjustment	¢/kWh	-8.651	-8.557	-43.26	-42.79	0.47
Green Infrastructure Fee	$	1.42	1.42	1.42	1.42	0.00
Avg Residential Bill at 500 kwh				141.57	142.07	
Increase (Decrease -)						0.50
% Change						0.35%

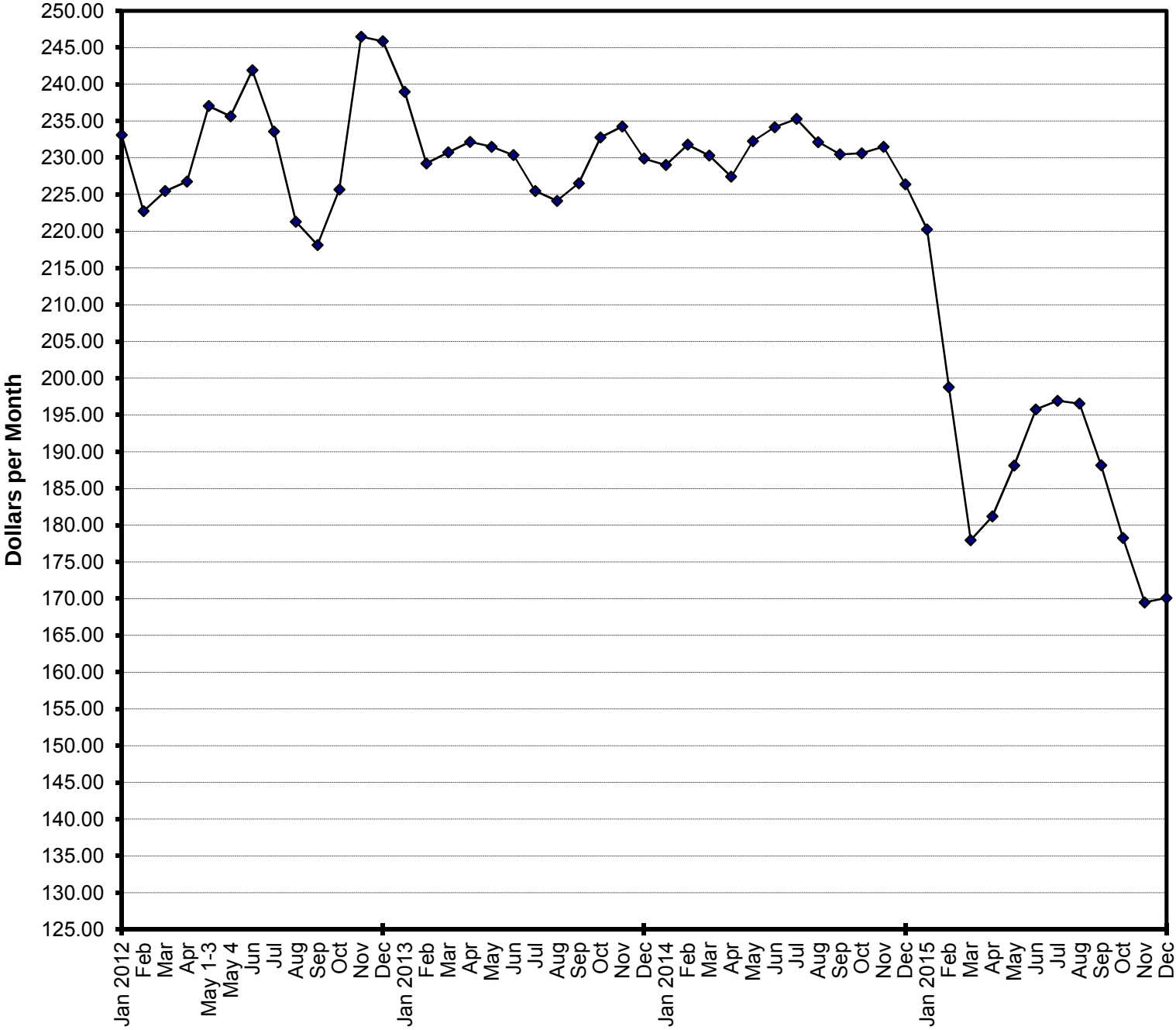
		Rate		Charge ($) at 600 Kwh		
		11/01/15	12/01/15	11/01/15	12/01/15	Difference
Base Rates	effective date:	08/01/13	08/01/13			
Base Fuel/Energy Charge	¢/kWh	23.0016	23.0016	138.01	138.01	0.00
Non-fuel Fuel Energy Charge						
First 350 kWhr per month	¢/kWh	9.3393	9.3393	32.69	32.69	0.00
Next 850 kWhr 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
Total Base Charges				208.20	208.20	0.00
RBA Rate Adjustment	¢/kWh	1.5987	1.5987	9.59	9.59	0.00
PBF Surcharge	¢/kWh	0.4749	0.4749	2.85	2.85	0.00
Renewable Energy Infrastructure Cost Recovery Provision	¢/kWh	0.0103	0.0103	0.06	0.06	0.00
SolarSaver Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Purchased Power Adjustment	¢/kWh	-0.1207	-0.1139	-0.72	-0.68	0.04
Energy Cost Adjustment	¢/kWh	-8.651	-8.557	-51.91	-51.34	0.57
Green Infrastructure Fee	$	1.42	1.42	1.42	1.42	0.00
Avg Residential Bill at 600 kwh				169.49	170.10	
Increase (Decrease -)						0.61
% Change						0.36%

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

EFFECTIVE DATE	FUEL FACTOR CENTS / KWH RESIDENTIAL & COMMERCIAL	RESIDENTIAL BILL ($) @ 500 KWH	@ 600 KWH
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
November 1, 2015	-8.651	141.57	169.49
December 1, 2015	-8.557	142.07	170.10

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
06/01/11	**IRP RECOVERY REFUND**	**0.000 PERCENT ON BASE**
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
08/01/13	**FINAL RATE INCREASE (1.25%), DOCKET NO. 2011-0092 (2012 TEST YEAR**	
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
05/01/15	**SOLARSAVER ADJUSTMENT**	**0.0000 CENTS/KWH**
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
06/08/15	**REVENUE BALANCING ACCOUNT RATE ADJUSTMENT**	**1.5987 CENTS/KWH**
07/01/15 - 07/31/15	PURCHASED POWER ADJUSTMENT	0.1482 CENTS/KWH
07/01/15	**RESID. PBF SURCHARGE ADJUSTMENT**	**0.4749 CENTS/KWH**
07/01/15	**GREEN INFRASTRUCTURE FEE**	**1.42 DOLLARS/MONTH**
08/01/15 - 08/31/15	PURCHASED POWER ADJUSTMENT	0.1613 CENTS/KWH
08/17/15	**RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION**	**0.0103 CENTS/KWH**
09/01/15 - 09/30/15	PURCHASED POWER ADJUSTMENT	0.1573 CENTS/KWH
10/01/15 - 10/31/15	PURCHASED POWER ADJUSTMENT	0.1612 CENTS/KWH
11/01/15 - 11/30/15	PURCHASED POWER ADJUSTMENT	-0.1207 CENTS/KWH
12/01/15	**PURCHASED POWER ADJUSTMENT**	**-0.1139 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.

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