

May 28, 2021

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 Recovery Factor for June 2021 Revised Attachments Reflecting RBA Rate Adjustment

Enclosed for filing are revised Attachments 1, 7, 8A, 8B, 9, 10, 15, 16A, 16B, 17, 22, 23A, and 23B of Maui Electric Company, Limited 's ("Maui Electric" or "Company") June 2021 energy cost recovery factor filing, reflecting the impact of the Company's Revenue Balancing Account ("RBA") rate adjustment, as filed in Transmittal No. 21-05 on May 28, 2021, in accordance with Order No. 37800 issued on May 26, 2021.

On May 26, 2021, Maui Electric filed its energy cost recovery factors for June 2021 and indicated that it would file the enclosed revised attachments after the Commission issued its decision on the Company's RBA rate adjustment proposal submitted in Transmittal No. 21-05 and incorporate the impact in the customer bill analysis. There is no change to the energy cost recovery factors as filed May 26, 2021.

For our Maui Division, a residential customer consuming 500 kWh of electricity will be paying \$175.55, an increase of \$4.71 compared to rates effective May 1, 2021. The increase in the typical residential bill is due to the increase in the Energy Cost Recovery Factor (+\$1.29) and the increase in the RBA rate adjustment (+\$3.43), partially offset by the decrease in the Purchase Power Adjustment (-\$0.01).

For our Lāna'i Division, a residential customer consuming 400 kWh of electricity will be paying \$167.38, an increase of \$0.51 compared to rates effective May 1, 2021. The increase in the typical residential bill is due to the increase in the RBA rate adjustment (+\$2.75), largely offset by a decrease of the Energy Cost Recovery Factor (-\$2.24).

For our Moloka'i Division, a residential customer consuming 400 kWh of electricity will be paying \$149.53, a decrease of \$0.32 compared to rates effective May 1, 2021. The decrease in the typical residential bill is due to the decrease of the Energy Cost Recovery Factor (-\$3.07), largely offset by the increase in the RBA rate adjustment (+\$2.75).

The Honorable Chair and Members of the Hawai'i Public Utilities Commission May 28, 2021 Page 2

For the Commission's convenience, Maui Electric is refiling all of the attachments included in the May 26, 2021 filing. The revised attachments are notated with "Revised 5/28/2021" in the headers; the other attachments are unchanged.

Sincerely,

/s/ Dean K. Matsuura Dean K. Matsuura Director, Regulatory Rate Proceedings Hawaiian Electric Company, Inc.

Attachments

cc: Division of Consumer Advocacy

MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION

ENERGY COST RECOVERY FACTOR

	EFFECTIV		
	<u>05-01-21</u>	<u>06-01-21</u>	<u>Change</u>
COMPOSITE COSTS			
Generation, Central Station & Other, ¢/mbtu	1,516.79	1,452.36	(64.43)
DG Energy, ¢/kWh	0.00	0.00	0.00
Purchased Energy, ¢/kWh	21.80	21.80	0.00
Residential Schedule "R"			
Energy Cost Recovery, ¢/kWh	18.313	17.544	(0.769)
Others - "G,P,F"			
Energy Cost Recovery, ¢/kWh	18.313	17.544	(0.769)
Residential Customer with			
400 KWH Consumption, \$/Bill	149.85	149.53	(0.32)
500 KWH Consumption, \$/Bill	185.80	185.38	(0.42)

Sup	ersedes Sheet Effective:	May 1, 2021
		····· · ···· · ·······················

MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION ENERGY COST RECOVERY (ECR) FILING

ENERGY COST RECOVERY (ECR) FILING - June 1, 2021 (page 1 of 2)

Line

1	Effective Date	June 1, 2021
2	Supercedes Factors	May 1, 2021

GENERATION COMPONENT

	CENTRAL STATION		
	FUEL PRICES, ¢/mmbtu		
-	Industrial	0.00	
4	Diesel	1,452.36	
5	Other	0.00	
	BTU MIX, %	0.00	DG ENERGY COMPONENT
-	Industrial Diesel	0.00	23 COMPOSITE COST OF DG
-		100.00	ENERGY, ¢/kWh 0.000
8	Other	0.00	24 % Input to System kWh Mix 0.00
		<u>100.00</u>	25 WEIGHTED COMPOSITE DG ENERGY COST.
0	COMPOSITE COST OF GENERATION,		25 WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 23 x 24) 0.00000
9	CENTRAL STATION + OTHER ¢/mmbtu	1,452.36	¢/kwii (Lines 23 x 24) 0.00000
	(Lines $(3 \times 6) + (4 \times 7) + (5 \times 8)$)	1,402.00	
10	% Input to System kWh Mix	99.98	26 BASE DG ENERGY COMP COST 0.000
10		55.50	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 1.098
11	Industrial 0.000000 0.00	0.000000	31 Revenue Tax Req Multiplier 1.0975
12	Diesel 0.011127 100.00	0.011127	32 DG FACTOR,
13	Other 0.011127 0.00	0.000000	¢/kWh (Line 29 x 30 x 31) 0.00000
	(Lines 11, 12, 13): Col(B) x Col(C) = Col(D)		
14	Weighted Efficiency Factor, mmbtu/kWh		
	[lines 11(D) + 12(D) + 13(D)]	0.011127	
45			
15	WEIGHTED COMPOSITE CENTRAL STATION	+	
	OTHER GENERATION COST, ¢/kWh (lines (9 x 10 x 14))	16.15730	
	(IIIIes (9 x 10 x 14))	10.15750	
16	BASE CENTRAL STATION + OTHER		
	GENERATION COST, ¢/mmbtu	0.00	
17	Base % Input to Sys kWh Mix	0.00	
	Efficiency Factor, mmbtu/kwh	0.011127	
19	WEIGHTED BASE CENTRAL STATION + OTH	ER	
	GENERATION COST ¢/kWh		
	(lines (16 x 17 x 18))	0.00000	
			SUMMARY OF
	COST LESS BASE (line(15 - 19))	16.15730	TOTAL GENERATION FACTOR, ¢/kWh
	Revenue Tax Req Multiplier	1.0975	33 CNTRL STN + OTHER (line 22) 17.73264
22	CENTRAL STATION + OTHER GENERATION		34 DG (line 32) 0.00000
	FACTOR, ¢/kWh (line (20 x 21))	17.73264	35 TOTAL GENERATION FACTOR,
			¢/kWh (lines 33 + 34) 17.73264

ENERGY COST RECOVERY (ECR) FILING - June 1, 2021 (page 2 of 2)

Line 1 Effective Date June 1, 2021 May 1, 2021 2 Supercedes Factors

Line PURCHASED ENERGY COMPONENT

37	PURCHASED ENERGY PRICE, ¢/kWh - Fossil PURCHASED ENERGY PRICE, ¢/kWh - Renewab Unused CBRE FIT	le 0.000 22.500 21.800
40	Sch Q	0.000
42	PURCHASED ENERGY KWH MIX, % - Fossil PURCHASED ENERGY KWH MIX, % - Renewable Unused CBRE FIT	0.00% 0.00% 100.00%
45	Sch Q	0.00%
45B 45C	Fossil Purch. Energy % Renewable Purch. Energy % Comp. Cost, Fossil Purch. Energy, ¢/kWh Comp. Cost, Renewable Purch. Energy,¢/kWh	0.00% 100.00% N/A 21.800
46	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh (Lines (36 x 41) + (37 x 42) + (38 x 43) + (39 x 44)	21.800
47	% Input to System kWh Mix	0.02
48	WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (lines (46 x 47))	0.00419
50	BASE PURCHASED ENERGY COMPOSITE COST, #/kWh Base % Input to Sys kWh Mix	0.000 0.00
51	WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (lines (49 x 50))	0.00000
53 54	COST LESS BASE (lines (48 - 51)) Loss Factor Revenue Tax Req Multiplier PURCHASED ENERGY FACTOR, ¢/kWh (lines (52 x 53 x 54))	0.00419 1.098 1.0975 0.00505

Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Compone	nt
	Baseline Diesel	
56	Diesel \$, baseline month	\$312,097
57	Diesel mmbtu, baseline	27,102
58	Baseline Diesel, c/mmbtu	1,151.57
	Month Diesel	
59	Diesel mmbtu, budget	26,019
60	Diesel Cost, ¢/mmbtu	1,452.36
61	Diesel ECRC Fossil Cost	\$377,884
62	Diesel Base ECRC Recovery Target	\$299,623
63	Diesel differential	\$78,261
64	Total Fossil	\$78,261
65	2% of above	\$1,565
66	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year	\$4,836
67	Maximum Annual Cap (bi-directional)	\$31,500
68	Number of Days in year from implementation	365
69	Fossil Risk % Proration (based on 365 day year)	100.00%
70	Maximum Annual Cap (bi-directional) prorated	\$31,500
70	Applicable Monthly Fossil Fuel Cost Risk Sharing	\$1,565
72	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month	\$6,401
70		* 4 505
73	Fossil Cost Risk Sharing before taxes	\$1,565
74	Revenue Tax Adjustment	1.097514
75	Fossil Cost Risk Sharing w/revenue tax	\$1,718
76	Forecasted Month MWh Sales	2,317
77	Fossil Fuel Cost Risk Sharing Component, ¢/kWh	(0.0741)
<u>Line</u>	SYSTEM COMPOSITE CALCULATIONS	
7	8 GENERATION AND PURCHASED ENERGY	
	FACTOR, ¢/kWh (lines (35 + 55))	17.73769
7	(Ines (35 + 55)) 9 Adjustment, ¢/kWh	0.000
		0.000
	0 Fossil Fuel Cost Risk Sharing Component	(0.074)
	1 ECR Reconciliation Adjustment	(0.120)
8	2 ECR FACTOR, ¢/kWh	17.544
	(lines (78 + 79 + 80 + 81))	

Maui Electric Company, Ltd. Molokai Division

MONTH END FUEL OIL ESTIMATE

	Barrels	MBTU	\$
5/19/2021	4,930.12	28,249.58	426,527.57
Estimated Use	1,632.55	9,354.51	141,888.02
Estimated Received	3,960.00	22,690.80	319,336.86
Estimated Additional	-	<u> </u>	
Estimated End	7,257.57	41,585.87	603,976.41

Next Months Expense = \$ 83.2202 /bbl

FUEL OIL INVENTORY PRICE USED FOR FILING

Type of Oil Burned	<u>Price</u>	Conversion Factor	Prices ¢/MBTU
Diesel	\$ 83.2202	5.73 BTU/BBL	1452.36

MAUI ELECTRIC COMPANY, LTD. Molokai Division ECR Reconciliation Adjustment

June 2021

1. Amount to be refunded	(\$7,600)
2. Monthly amount (1/3 x Line 1)	(\$2,533)
3. Revenue Tax Divisor	0.91115
4. Total (Line 2 / Line 3)	(\$2,780)
5. Estimated Sales (June 2021)	2,317 mwh
6. Adjustment (Line 4 ÷ Line 5)	-0.120 ¢/kwh

MAUI ELECTRIC COMPANY, LTD. MOLOKAI DIVISION 2021 Cumulative Reconciliation Balance

<u>Month Reconciliation Qtr Variance Variance Collect Collect Balance</u>	
	040
January '20(9,667)(10,240)(2February(31,000)(4)(1,752)(29,248)10,3339,207(22,248)	2,910 2,330) 2,371)
	2,246)
	2,570) (907)
	(775)
	(635)
o	5,510
	,546
	(355)
November 700 (3) (113) 813 (233) (238)	220
December (233) (252)	(32)
	(273)
\bullet	2,695
	,393
April (1,333) (1,311)	82
May 7,600 (1) 66 7,534 (2,533) June (2,533)	

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		
		05-01-21	06-01-21	05-01-21	06-01-21	Difference
Base Rates Base Fuel/Energy Charge Non-fuel Energy Charge First 250 kWhr per month Next 500 kWhr per month	effective date: ¢/kWh ¢/kWh ¢/kWh	09/01/19 0.0000 14.0459 16.6959	09/01/19 0.0000 14.0459 16.6959	0.00 35.11 25.04	0.00 35.11 25.04	0.00 0.00 0.00
Customer Charge	\$	11.50	11.50	11.50	11.50	0.00
Total Base Charges				71.65	71.65	0.00
IRP Refund	% on base	0.000	0.000	0.00	0.00	0.00
Revenue Balancing Rate Adjustment	¢/kWh	0.3383	1.0242	1.35	4.10	2.75
PBF Surcharge	¢/kWh	0.5882	0.5882	2.35	2.35	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
Refund of 2018 Interim	% on base	0.00	0.00	0.00	0.00	0.00
Purchased Power Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Energy Cost Recovery	¢/kWh	18.313	17.544	73.25	70.18	-3.07
Green Infrastructure Fee	\$	1.25	1.25	1.25	1.25	0.00

Avg Residential Bill at 400 kwh

Increase (Decrease -)	
% Change	

149.53

149.85

-0.32 -0.21%

-3.85 0.00

	Rate		Charge (\$) at 500 Kv		00 Kwh	
		05-01-21	06-01-21	05-01-21	06-01-21	Difference
Base Rates	effective date:	09/01/19	09/01/19			
Base Fuel/Energy Charge	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Non-fuel Energy Charge						
First 250 kWhr per month	¢/kWh	14.0459	14.0459	35.11	35.11	0.00
Next 500 kWhr per month	¢/kWh	16.6959	16.6959	41.74	41.74	0.00
Customer Charge	\$	11.50	11.50	11.50	11.50	0.00
Total Base Charges				88.35	88.35	0.00
-						
IRP Refund	% on base	0.000	0.000	0.00	0.00	0.00
Revenue Balancing Rate Adjustment	¢/kWh	0.3383	1.0242	1.69	5.12	3.43
PBF Surcharge	¢/kWh	0.5882	0.5882	2.94	2.94	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
Refund of 2018 Interim	% on base	0.00	0.00	0.00	0.00	0.00
Purchased Power Adjustment	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
Energy Cost Recovery	¢/kWh	18.313	17.544	91.57	87.72	-3.85
Green Infrastructure Fee	\$	1.25	1.25	1.25	1.25	0.00

Avg Residential Bill at 500 kwh

-0.42 -0.23% Increase (Decrease -) % Change

185.38

185.80

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

	FUEL FACTOR CENTS / KWH		
	RESIDENTIAL &		IAL BILL (\$)
EFFECTIVE DATE	<u>COMMERCIAL</u>	<u>@ 400 KWH</u>	<u>@ 500 KWH</u>
	/		
January 1, 2019	-3.771	163.91	204.03
February 1, 2019	-7.208	150.16	186.85
March 1, 2019	-4.872	159.50	198.53
April 1, 2019	-5.034	158.51	197.29
May 1, 2019	-3.503	164.98	205.37
June 1, 2019	5.096	166.63	206.77
July 1, 2019	3.171	161.65	200.57
August 1, 2019	2.259	155.00	192.25
September 1, 2019	19.349	152.49	189.11
October 1, 2019	19.071	151.51	187.89
November 1, 2019	20.907	162.13	201.16
December 1, 2019	18.365	151.94	188.43
January 1, 2020	18.533	153.75	190.67
February 1, 2020	21.165	164.02	203.51
March 1, 2020	21.967	167.23	207.52
April 1, 2020	19.555	157.34	195.16
May 1, 2020	18.231	151.00	187.24
June 1, 2020	12.810	127.13	157.40
July 1, 2020	10.471	118.42	146.53
August 1, 2020	12.013	125.55	155.44
September 1, 2020	14.463	135.41	167.76
October 1, 2020	10.877	121.03	149.78
November 1, 2020	14.096	132.92	164.65
December 1, 2020	13.337	129.89	160.86
January 1, 2021	14 116	122.06	164 91
January 1, 2021	14.116	133.06	164.81
February 1, 2021	16.108	141.03	174.77
March 1, 2021	15.163	137.25	170.05
April 1, 2021	17.823	147.71	183.13
May 1, 2021	18.313	149.85	185.80
June 1, 2021	17.544	149.53	185.38

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

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE		RATE
06/01/11	IRP RECOVERY REFUND	0.000	PERCENT ON BASE
08/17/17	RENEWABLE ENERGY INFRASTRUCTURE COST		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 - 03/31/19	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
06/01/18 - 08/22/18	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.8954	CENTS/KWH
07/01/18 - 06/30/19	RESID. PBF SURCHARGE ADJUSTMENT	0.4658	CENTS/KWH
07/01/18 - 12/31/18	RESID. PBF SURCHARGE ADJUSTMENT GREEN INFRASTRUCTURE FEE INTERIM RATE INCREASE 2018 TEST YEAR	1.21	DOLLARS/MONTH
08/23/18 - 05/31/19	INTERIM RATE INCREASE 2018 TEST YEAR	6.68	PERCENT ON BASE
08/23/18 - 05/31/19	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.3183	CENTS/KWH
01/01/19 / 06/30/19	GREEN INFRASTRUCTURE FEE	1.35	DOLLARS/MONTH
04/01/19 - 04/30/19	SOLARSAVER ADJUSTMENT		CENTS/KWH
5/1/2019 - 03/31/20	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
06/01/19	FINAL RATE INCREASE (3.74%), DOCKET NO. 2017-0150 (20	18 TEST YEAI	ર]
06/01/19 - 06/30/19	REFUND OF INTERIM RATE INCREASE 2018 TEST YEAR		PERCENT ON BASE
06/01/19 - 05/31/20	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.8716	CENTS/KWH
07/01/19 - 12/31/19	RESID. PBF SURCHARGE ADJUSTMENT	0.4775	CENTS/KWH
07/01/19 - 12/31/19	GREEN INFRASTRUCTURE FEE	1.17	DOLLARS/MONTH
08/01/19 - 08/31/19	PURCHASED POWER ADJUSTMENT	-0.7518	CENTS/KWH
09/01/19 - 09/30/19	PURCHASED POWER ADJUSTMENT	-0.7820	CENTS/KWH
10/01/19 - 10/31/19	PURCHASED POWER ADJUSTMENT	-0.7475	CENTS/KWH
11/01/19 - 11/30/19	PURCHASED POWER ADJUSTMENT	0.0692	CENTS/KWH
12/01/19 - 12/31/19	PURCHASED POWER ADJUSTMENT	0.0655	CENTS/KWH
01/01/20 - 01/31/20	PURCHASED POWER ADJUSTMENT	0.0648	CENTS/KWH
01/01/20 - 06/30/20	RESID. PBF SURCHARGE ADJUSTMENT	0.7437	CENTS/KWH
01/01/20 - 06/30/20	GREEN INFRASTRUCTURE FEE	1.25	DOLLARS/MONTH
02/01/20 - 04/30/20	PURCHASED POWER ADJUSTMENT	0.00	CENTS/KWH
04/01/20 - 04/30/20	SOLARSAVER ADJUSTMENT	-0.0592	CENTS/KWH
05/01/20 - 05/31/20	PURCHASED POWER ADJUSTMENT	-0.3200	CENTS/KWH
05/01/20 - 03/31/21	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
06/01/20 - 06/30/20	PURCHASED POWER ADJUSTMENT	-0.3325	CENTS/KWH
06/01/20 - 05/31/21	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.3383	CENTS/KWH
07/01/20 - 07/31/20	PURCHASED POWER ADJUSTMENT	0.0000	CENTS/KWH
07/01/20	RESID. PBF SURCHARGE ADJUSTMENT	0.5882	CENTS/KWH
07/01/20 - 12/31/20	GREEN INFRASTRUCTURE FEE	1.19	DOLLARS/MONTH
08/01/20 - 08/31/20	PURCHASED POWER ADJUSTMENT	0.2408	CENTS/KWH
09/01/20 - 09/30/20	PURCHASED POWER ADJUSTMENT	0.2542	CENTS/KWH
10/01/20 -10/31/20	PURCHASED POWER ADJUSTMENT	0.2449	CENTS/KWH
11/01/20	PURCHASED POWER ADJUSTMENT		CENTS/KWH
01/01/21	GREEN INFRASTRUCTURE FEE	1.25	DOLLARS/MONTH
04/01/2021-04/30/21	SOLARSAVER ADJUSTMENT	-0.0445	CENTS/KWH
05/01/21	SOLARSAVER ADJUSTMENT	0.0000	CENTS/KWH
06/01/21	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.0242	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.