



March 29, 2018

FILED

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

PUBLIC UTILITIES
COMMISSION

Dear Commissioners:

Subject: Hawaiian Electric Energy Cost Adjustment Factor for April 2018
Revised Attachments Reflecting Residential DSM Adjustment

Enclosed for filing are revised Attachments 1, 6A, 6B, 7, and 8 of Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") April 2018 energy cost adjustment factor filing. The revised attachments reflect the impact on the typical residential bill calculation of the Company's revised Residential Demand-Side Management ("DSM") Adjustment, as filed in Docket No. 2007-0341 under separate cover. There is no change to the April 2018 energy cost adjustment factor filed March 27, 2018.

For April 2018, a residential customer consuming 500 kWh of electricity will be paying \$150.88, a decrease of \$1.18 compared to rates effective March 1, 2018. The decrease in the typical residential bill is due to a decrease in the Energy Cost Adjustment factor (-\$0.47), an increase in the Purchased Power Adjustment Clause rate (+\$0.08), a credit for the SolarSaver Adjustment Rate (-\$0.53), and a decrease in the Residential DSM Adjustment rate (-\$0.26).

For the Commission's convenience, Hawaiian Electric is refile all of the attachments included in the March 27, 2018 filing. The revised attachments are notated with "Revised 3/29/2018" in the headers; the other attachments are unchanged.

Very truly yours,

Dean K. Matsuura
Manager, Regulatory Rate Proceedings

Attachments

cc: Division of Consumer Advocacy

Hawaiian Electric Company, Inc.
ENERGY COST ADJUSTMENT FACTOR

	<u>Effective Dates</u>		<u>Change</u>
	<u>03/01/18</u>	<u>04/01/18</u>	
Composite Cost Of Generation, ¢/mmbtu	1,266.26	1,204.10	(62.16)
DG Energy Component, ¢/kWh	0.003	0.006	0.003
Composite Cost Of Purchased Energy, ¢/kWh	9.220	9.589	0.369
 <u>Residential, Schedule "R"</u>			
Energy Cost Adjustment, ¢/kWh	(0.389)	(0.483)	(0.094)
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Adjustment, ¢/kWh	(0.389)	(0.483)	(0.094)
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	152.06	150.88	(1.18)
600 kWh Consumption, \$/bill	181.14	179.71	(1.43)

Supersedes Sheet Effective: March 1, 2018

Hawaiian Electric Company, Inc.
ENERGY COST ADJUSTMENT FILING

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

Line		
1	Effective Date	- April 1, 2018
2	Supersedes Factor	- March 1, 2018

GENERATION COMPONENT

<u>CENTRAL STATION</u>							
FUEL PRICES, ¢/MBTU							
3	Honolulu			1,199.29			
4	Kahe			1,199.61			
5	Waiau-Steam			1,199.29			
6	Waiau-Diesel			1,554.47			
7	CIP-Diesel			N/A			
8	CIP-Biodiesel			2,926.73			
9	Other			0			
BTU MIX, %							
10	Honolulu			0.00			
11	Kahe			71.46			
12	Waiau-Steam			27.25			
13	Waiau-Diesel			1.29			
14	CIP-Diesel			N/A			
15	CIP-Biodiesel			0.00			
16	Other			0.00			
				100.00			
17	COMPOSITE COST OF GENERATION, CNTRL STN + OTHER ¢/mmbtu			1,204.10			
18	% Input to system kWh Mix			43.79			
EFFICIENCY FACTOR, mmbtu/kWh							
	(A)	(B)	(C)	(D)			
			Percent of	Weighted			
	Fuel Type	Eff Factor	Centrl Stn +	Eff Factor			
		mmbtu/kwh	Other				
19	LSFO	0.011079	99.46	0.011019			
20	Diesel	0.019721	0.54	0.000106			
21	Biodiesel	0.020169	0.00	0.000000			
22	Other	0.011143	0.00	0.000000			
	(Lines 19 through 22): Col(B) x Col(C) = Col(D)						
23	Weighted Efficiency Factor, mmbtu/kWh [(lines 19(D) + 20(D) + 21(D) + 22(D))]			0.011125			
24	WGTD. COMPOSITE CNTRL STN + OTHER GEN COST, ¢/kWh (lines 17 x 18 x 23)			5.86594			
25	BASE CNTRL STN + OTHER GEN. COST, ¢/Mbtu			1,354.58			
26	Base % Input to System kWh Mix			57.59			
27	Efficiency Factor, Mbtu/kWh			0.011142			
28	WEIGHTED BASE CNTRL STN + OTHER GEN COST ¢/KWH (lines 25 x 26 x 27)			8.69190			
29	Cost Less Base (Line 24 - 28)			(2.82596)			
30	Revenue Tax Req Multiplier			1.0975			
31	CNTRL STN + OTHER GENERATION FACTOR, ¢/KWH (Line 29 x 30)			(3.10149)			
					<u>DG ENERGY COMPONENT</u>		
					32	COMPOSITE COST OF DG ENERGY, ¢/kWh	31.390
					33	% Input to System kWh Mix	0.02
					34	WTD COMP DG ENRGY COST, ¢/kWh (Lines 32 x 33)	0.00628
					35	BASE DG ENERGY COMP COST	0.000
					36	Base % Input to System kWh Mix	0.00
					37	WTD BASE DG ENERGY COST, ¢/kWh (Line 35 x 36)	0.00000
					38	Cost Less Base (Line 34 - 37)	0.00628
					39	Loss Factor	1.053
					40	Revenue Tax Req Multiplier	1.0975
					41	DG FACTOR, ¢/kWh (Line 38 x 39 x 40)	0.00726
					SUMMARY OF		
					TOTAL GENERATION FACTOR, ¢/kWh		
					42	CNTRL STN + OTHER (line 31)	(3.10149)
					43	DG (line 41)	0.00726
					44	TOTAL GENERATION FACTOR, ¢/KWH (lines 42 + 43)	(3.09423)

Hawaiian Electric Company, Inc.
ENERGY COST ADJUSTMENT FILING

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

<u>Line</u>	Effective Date	- April 1, 2018
1		
2	Supercedes Factor	- March 1, 2018

<u>Line</u>	<u>PURCHASED ENERGY COMPONENT</u>		
	PURCHASED ENERGY PRICE - ¢/KWH		
45	PAR Hawaii	- On Peak	12.840
46	(f.k.a HIE/Tesoro)	- Off Peak	12.536
47	HRRV	- On Peak	17.19
48		- Off Peak	16.70
49	HRRV	- On Peak (excess)	10.95
50		- Off Peak (excess)	6.57
51	IES Downstream	- On Peak	12.840
52		- Off Peak	12.536
53	Kalaeloa		11.726
54	AES-HI		3.254
55	Kawailoa		22.064
56	Kahuku Wind		20.704
57	Waianae Solar PV		14.500
58	As Available I		22.058
59	FIT		19.266
	PURCHASED ENERGY KWH MIX, %		
60	PAR Hawaii	- On Peak	0.23
61	(f.k.a HIE/Tesoro)	- Off Peak	0.16
62	HRRV	- On Peak	6.16
63		- Off Peak	2.49
64	HRRV	- On Peak (excess)	0.00
65		- Off Peak (excess)	1.62
66	IES Downstream	- On Peak	0.01
67	(f.k.a Chevron)	- Off Peak	0.01
68	Kalaeloa		35.22
69	AES-HI		41.64
70	Kawailoa		3.59
71	Kahuku Wind		4.13
72	Waianae Solar PV		2.29
73	As Available I		0.71
74	FIT		1.74
			100.00
75	COMPOSITE COST OF PURCHASED ENERGY, ¢/KWH		9.589
76	% Input to System kWh Mix		56.19
77	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 75 x 76)		5.38806
78	BASE PURCH ENERGY COMP COST		8.328
79	Base % Input to System kWh Mix		42.41
80	WEIGHTED COMP. PURCH. ENERGY COST, ¢/KWH (lines 78 x 79)		3.53190
81	Cost Less Base (Line 77 - 80)		1.85616
82	Loss Factor		1.053
83	Revenue Tax Req Multiplier		1.0975
84	PURCHASED ENERGY FACTOR, ¢/KWH (lines 81 x 82 x 83)		2.14510

<u>Line</u>	<u>SYSTEM COMPOSITE</u>	
85	GEN AND PURCHASED ENERGY FACTOR, ¢/kWh (lines 44 + 84)	(0.94913)
86	Kahuku Wind D-VAR Adjustment, ¢/kWh	0.000
87	ECA Reconciliation Adjustment	0.466
88	ECA FACTOR, ¢/kWh (lines 85 + 86 + 87)	(0.483)

Hawaiian Electric Company, Inc.
FUEL OIL INVENTORY PRICES FOR 04-01-18

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, ¢/Mbtu	1,199.29	1,199.29	1,199.29
Kahe Fuel Additive, ¢/Mbtu	-	0.32	-
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	1,199.29	1,199.61	1,199.29

	<u>Waiau</u>	<u>CIP</u>
Average Diesel / Biodiesel Oil, ¢/Mbtu	1,554.47	2,926.73
Thruput Charges, ¢/Mbtu	-	-
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	1,554.47	2,926.73

	<u>Honolulu</u>	<u>Kahe</u>	<u>Waiau</u>
Average Low Sulfur Fuel Oil, \$/bbl	75.53	75.53	75.53
Kahe Fuel Additive, \$/bbl	-	0.02	-
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	75.53	75.55	75.53

	<u>Waiau</u>	<u>CIP</u>
Average Diesel / Biodiesel Oil, \$/bbl	88.96	155.77
Thruput Charges, ¢/Mbtu	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	88.96	155.77

Distributed Generation Fuel Prices Used for Filing, ¢/kWh 31.390

FOAC April 2018

<u>LSFO</u>	<u>BARRELS</u>	<u>MBTU</u>	<u>AMOUNT</u>	<u>AVE \$/MBTU</u>
Per FOAC run	810,484	5,104,096.01	61,212,966.52	11.992910
Additional	-	-	-	-
Forecast Amt	810,484	5,104,096.01	61,212,966.52	11.992910
	-	6.20	-	ADD'L BBL
	5,104,096	810,484	6.2976	MBTU / BBL
	61,212,967	810,484	75.53	DOLLARS / BBL
<u>WAIKU DIESEL</u>	28,582	163,574.26	2,542,715.80	15.544718
	2,542,716	28,582	88.96	DOLLARS / BBL
<u>CIP BIODIESEL</u>	22,928	122,026.92	3,571,397.28	29.267291
	3,571,397	22,928	155.77	DOLLARS / BBL
KAHE FUEL ADDITIVE *				
Additional	-	-	-	0.003194
Forecast Amt	-	-	-	0.003194
\$ / BBL =		-	0.02	DOLLARS / BBL
HONOLULU TRUCKING COST				
Per FOAC run	-	-	-	-
Additional	-	-	-	-
Forecast Amt	-	-	-	-
\$ / BBL =	-	-	-	DOLLARS / BBL

* Annualized amount per HECO T-4 in Docket No. 2010-0080

Hawaiian Electric Company, Inc.

CONTRACT PRICES EFFECTIVE 3-1-18

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
LOW SULFUR FUEL OIL		
Tax *	4.7168	76.08
Ocean Transportation	0.0000	0.00
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00
DIESEL		
Tax *	5.7803	98.65
Ocean Transportation	0.0000	0.00
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00
BIODIESEL		
Tax *	6.7485	128.59
Ocean Transportation	0.0000	0.00
Land 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, Federal Oil Spill Recovery Fee, and Environmental Response, Energy and FS 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.

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF DISTRIBUTED GENERATION EXPENSE

<u>Line No.</u>		
L1	Estimated Distributed Generation Fuel Cost (\$/mbtu)	\$27.95
L2	Estimated Distributed Generation Fuel Transport Cost (\$/mbtu)	\$0.00
L3 = L1+ L2	Estimated Total Fuel and Transportation Cost (\$/mbtu)	\$27.95
L4	Estimated Mbtu Generation for month (April 2018)	943
L5 = L3 x L4	Estimated Distributed Generation Total Fuel Cost (\$)	\$26,369
L6	Estimated Distributed Generation kWh Produced (April 2018)	84,000
L7 = (L5 ÷ L6) x 100	Distributed Generation Fuel Prices Used for Filing, (¢/kWh)	31.3900

Hawaiian Electric Company, Inc.
ECA RECONCILIATION ADJUSTMENT
April 2018

1.	Amount to be collected	\$	6,640,300
2.	Monthly Amount (Line 1 x 1/3)	\$	2,213,433
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	2,429,274
5.	Estimated MWh Sales (April 2018)		520,900
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.466</u></u>

HAWAIIAN ELECTRIC COMPANY, INC.
2018 Cumulative Reconciliation Balance

	(1)		(2)	(3)	(4)	(5)	(6)
Month	YTD FOA Reconciliation	Qtr	FOA Rec Adjust Variance	FOA Rec Less Variance	Try to Collect	Actual Collect	Month-end Cumulative Balance
November '17	(988,400)	(3)	140,027	(1,128,427)	329,467	323,129	(663,027)
December					329,467	305,191	(357,836)
January '18					329,467	320,330	(37,506)
February	(6,640,300)	(4)	(28,376)	(6,611,924)	2,213,433	2,088,724	(4,560,707)
March					2,213,433		
April					2,213,433		

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 4)
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))

Hawaiian Electric Company, Inc.
FUEL OIL ADJUSTMENT FACTOR DATA

<u>EFFECTIVE DATE</u>	FUEL FACTOR CENTS / KWH <u>RESIDENTIAL & COMMERCIAL</u>	RESIDENTIAL BILL (\$)	
		<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2016	-3.748	129.34	153.97
February 1, 2016	-4.637	127.47	151.74
March 1, 2016	-5.498	123.06	146.43
April 1, 2016	-5.393	123.34	146.76
May 1, 2016	-5.527	124.85	148.58
June 1, 2016	-4.651	129.34	153.95
July 1, 2016	-3.854	133.43	158.90
August 1, 2016	-3.176	134.73	160.45
September 1, 2016	-3.345	133.98	159.57
October 1, 2016	-3.964	130.77	155.71
November 1, 2016	-3.848	131.04	156.03
December 1, 2016	-3.578	132.32	157.56
January 1, 2017	-2.091	135.39	161.22
February 1, 2017	-1.863	142.81	170.13
March 1, 2017	-1.730	143.26	170.66
April 1, 2017	-1.608	143.43	170.86
May 1, 2017	-2.347	140.42	167.26
June 1, 2017	-2.215	141.89	169.01
July 1, 2017	-2.003	141.79	168.91
August 1, 2017	-2.180	140.14	166.92
September 1, 2017	-2.288	139.74	166.45
October 1, 2017	-2.216	139.91	166.65
November 1, 2017	-2.109	139.52	166.18
December 1, 2017	-1.629	141.82	168.96
January 1, 2018	-1.145	144.26	171.84
February 1, 2018	-0.261	150.24	179.01
March 1, 2018	-0.389	152.06	181.14
April 1, 2018	-0.483	150.88	179.71

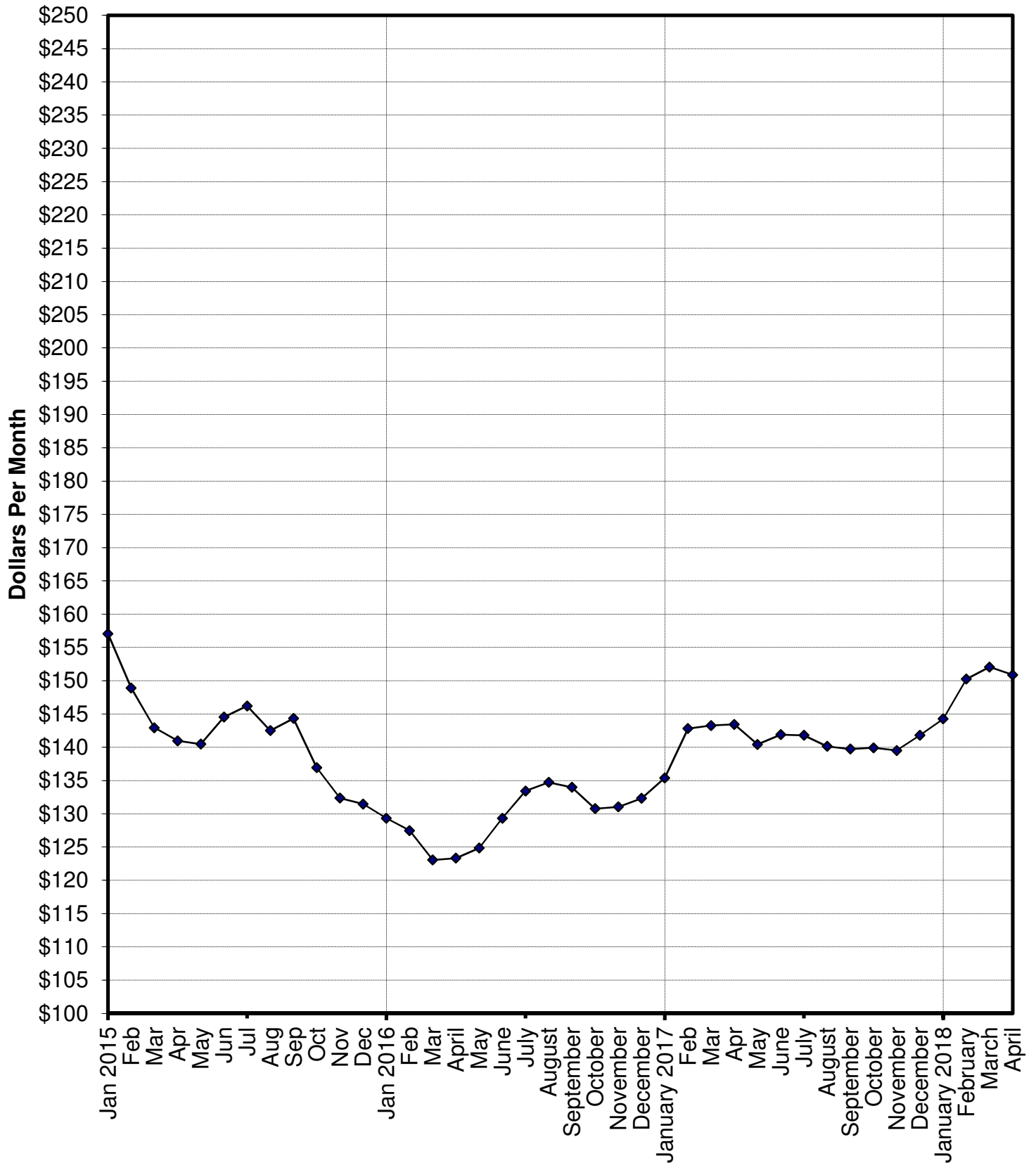
**Hawaiian Electric Company, Inc.
 RESIDENTIAL SURCHARGE DATA**

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
09/01/12	FINAL RATE INCREASE (TY2011) 3.39% EFFECTIVE 09/01/12, DOCKET NO. 2010-0080	
2/1/2013	REFUND OF 2011 INTERIM RATE INCREASE	0.00 PERCENT ON BASE
01/1/2016 - 01/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	2.8642 CENTS/KWH
12/17/2015 - 02/29/2016	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0204 CENTS/KWH
01/01/2016 - 06/30/2016	GREEN INFRASTRUCTURE FEE	1.3000 DOLLARS/MONTH
02/1/2016 - 02/29/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.3809 CENTS/KWH
03/1/2016 - 03/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.3578 CENTS/KWH
3/1/2016 - 05/14/2016	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0204 CENTS/KWH
04/1/2016 - 04/30/2016	SOLAR SAVER ADJUSTMENT	-0.1223 CENTS/KWH
04/1/2016 - 04/30/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.3834 CENTS/KWH
4/1/2016 - 3/31/2017	RESIDENTIAL DSM ADJUSTMENT	0.0811 CENTS/KWH
5/1/2016 - 3/31/2017	SOLAR SAVER ADJUSTMENT	0.00 CENTS/KWH
05/1/2016 - 05/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.6989 CENTS/KWH
5/15/2016	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0000 CENTS/KWH
06/1/2016 - 06/30/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.7373 CENTS/KWH
6/1/2016 - 5/31/2017	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	2.1098 CENTS/KWH
07/1/2016 - 07/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.6808 CENTS/KWH
7/1/2016 - 12/31/2016	GREEN INFRASTRUCTURE FEE	1.1300 DOLLARS/MONTH
7/1/2016	RESID. PBF SURCHARGE ADJUSTMENT	0.5865 CENTS/KWH
08/1/2016 - 08/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.2621 CENTS/KWH
09/1/2016 - 09/30/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.2827 CENTS/KWH
10/1/2016 - 10/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.2576 CENTS/KWH
11/1/2016 - 11/30/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.1959 CENTS/KWH
12/1/2016 - 12/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	3.1815 CENTS/KWH
01/1/2017 - 01/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	2.2812 CENTS/KWH
1/01/2017 - 06/30/2017	GREEN INFRASTRUCTURE FEE	1.2700 DOLLARS/MONTH
02/1/2017 - 02/28/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.5384 CENTS/KWH
03/1/2017 - 03/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.4937 CENTS/KWH
04/1/2017 - 04/30/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.5276 CENTS/KWH
4/1/2017 - 02/15/2018	RESIDENTIAL DSM ADJUSTMENT	0.0774 CENTS/KWH
4/1/2017 - 4/30/2017	SOLAR SAVER ADJUSTMENT	-0.1187 CENTS/KWH
5/1/2017-3/31/2018	SOLAR SAVER ADJUSTMENT	0.0000 CENTS/KWH
05/1/2017 - 05/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.5484 CENTS/KWH
06/1/2017 - 06/30/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.5894 CENTS/KWH
6/1/2017 - 2/15/2018	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	2.2291 CENTS/KWH
7/1/2017 - 12/31/2017	GREEN INFRASTRUCTURE FEE	1.1800 DOLLARS/MONTH
7/1/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.5388 CENTS/KWH
7/1/2017	RESID. PBF SURCHARGE ADJUSTMENT	0.4244 CENTS/KWH
8/1/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.3840 CENTS/KWH
9/1/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.4128 CENTS/KWH
10/1/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.3748 CENTS/KWH
11/1/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.1890 CENTS/KWH
12/1/2017	PURCHASED POWER ADJUSTMENT CLAUSE	3.1709 CENTS/KWH
1/1/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.1422 CENTS/KWH
1/1/2018	GREEN INFRASTRUCTURE FEE	1.3400 DOLLARS/MONTH
2/1/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.4536 CENTS/KWH
2/16/2018	INTERIM RATE INCREASE 2017 TEST YEAR	8.8700 PERCENT ON BASE
2/16/2018	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.07116 CENTS/KWH
2/16/2018 - 3/31/2018	RESIDENTIAL DSM ADJUSTMENT	0.0000 CENTS/KWH
3/1/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.4266 CENTS/KWH
4/1/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.4413 CENTS/KWH
4/1/2018	SOLAR SAVER ADJUSTMENT	-0.1063 CENTS/KWH
4/1/2018	RESIDENTIAL DSM ADJUSTMENT	-0.0513 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.

Hawaiian Electric Company, Inc. Residential Bill at 500 KWH/Month Consumption



Hawaiian Electric Company, Inc.
CALCULATIONS OF THE AVERAGE RESIDENTIAL CUSTOMER BILL

	Rate		Charge (\$) at 500 kWh			
	3/1/2018	4/1/2018	3/1/2018	4/1/2018	Difference	
Base Rates	effective date:	09/01/12	09/01/12			
Base Fuel/Energy Charge	¢/kWh	13.6062	13.6062	68.03	68.03	0.00
Non-fuel Fuel Energy Charge						
First 350 kWh per month	¢/kWh	8.1034	8.1034	28.36	28.36	0.00
Next 850 kWh per month	¢/kWh	9.2569	9.2569	13.89	13.89	0.00
Customer Charge	\$	9.00	9.00	9.00	9.00	0.00
Total Base Charges				119.28	119.28	0.00
Purchase Power Adjustment	¢/kWh	3.4266	3.4413	17.13	17.21	0.08
RBA Rate Adjustment	¢/kWh	0.7116	0.7116	3.56	3.56	0.00
DSM Adjustment	¢/kWh	-	-0.0513	0.00	-0.26	-0.26
Interim Rate Increase (TY 2017)	% on base	8.870%	8.870%	10.58	10.58	0.00
Refund of 2011 Interim	% on base	0.000%	0.000%	0.00	0.00	0.00
PBF Surcharge	¢/kWh	0.4244	0.4244	2.12	2.12	0.00
Renewable Energy Infrastructure Cost						
Recovery Provision	¢/kWh	-	-	0.00	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	-0.1063	0.00	-0.53	-0.53
Energy Cost Adjustment	¢/kWh	-0.389	-0.483	-1.95	-2.42	-0.47
Green Infrastructure Fee	\$	1.34	1.34	1.34	1.34	0.00
Avg Residential Bill at 500 kWh				152.06	150.88	

Increase / (Decrease -) -1.18
% Change -0.78%

	Rate		Charge (\$) at 600 kWh			
	3/1/2018	4/1/2018	3/1/2018	4/1/2018	Difference	
Base Rates	effective date:	09/01/12	09/01/12			
Base Fuel/Energy Charge	¢/kWh	13.6062	13.6062	81.64	81.64	0.00
Non-fuel Fuel Energy Charge						
First 350 kWh per month	¢/kWh	8.1034	8.1034	28.36	28.36	0.00
Next 850 kWh per month	¢/kWh	9.2569	9.2569	23.14	23.14	0.00
Customer Charge	\$	9.00	9.00	9.00	9.00	0.00
Total Base Charges				142.14	142.14	0.00
Purchase Power Adjustment	¢/kWh	3.4266	3.4413	20.56	20.65	0.09
RBA Rate Adjustment	¢/kWh	0.7116	0.7116	4.27	4.27	0.00
DSM Adjustment	¢/kWh	-	-0.0513	0.00	-0.31	-0.31
Interim Rate Increase (TY 2017)	% on base	8.870%	8.870%	12.61	12.61	0.00
Refund of 2011 Interim	% on base	0.000%	0.000%	0.00	0.00	0.00
PBF Surcharge	¢/kWh	0.4244	0.4244	2.55	2.55	0.00
Renewable Energy Infrastructure Cost						
Recovery Provision	¢/kWh	-	-	0.00	0.00	0.00
SolarSaver Adjustment	¢/kWh	0.0000	-0.1063	0.00	-0.64	-0.64
Energy Cost Adjustment	¢/kWh	-0.389	-0.483	-2.33	-2.90	-0.57
Green Infrastructure Fee	\$	1.34	1.34	1.34	1.34	0.00
Avg Residential Bill at 600 kWh				181.14	179.71	

Increase / (Decrease -) -1.43
% Change -0.79%