



May 31, 2019

SHARON M. SUZUKI
President

FILED

2019 MAY 31 P 12: 25

PUBLIC UTILITIES
COMMISSION

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

Dear Commissioners:

Subject: Hawai'i Electric Light Energy Cost Recovery Factor for June 2019
Revised Attachments Reflecting RBA Rate Adjustment

Enclosed for filing are revised Attachments 1, 8, 9A, 9B, and 10 of Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") energy cost recovery filing, reflecting the impact of the Company's Revenue Balancing Account ("RBA") rate adjustment, as approved by the Commission in order No. 36336 issued on May 29, 2019.

On May 29, 2019, Hawai'i Electric Light filed its energy cost Recovery Factor for June 2019 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. 19-02 and incorporate the impact in the customer bill analysis. There is no change to the energy cost adjustment as filed on May 29, 2019.

A residential customer consuming 500 kWh of electricity will be paying \$187.89, a decrease of \$0.85 compared to the rates effective May 1, 2019. The decrease in the typical bill is due to the decrease in the energy cost recovery factor (-\$0.39), the increase in the Purchased Power Adjustment (+\$0.01) and the decrease in the RBA rate adjustment (-\$0.47).

For the Commission's convenience, Hawai'i Electric Light is refiling all of the attachments included in the May 29, 2019 filing. The revised attachments are notated with "Revised 5/31/2019" in the headers; the other attachments are unchanged.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

	<u>EFFECTIVE DATES</u>		
	<u>5/01/19</u>	<u>6/01/19</u>	<u>Change</u>
<u>Composite Cost</u>			
Generation, ¢/mmbtu	1,491.69	1,480.44	(11.25)
Dispersed Generation Energy, ¢/kWh	15.506	15.476	(0.03)
Purchased Energy, ¢/kWh	13.916	13.606	(0.31)
<u>Residential Schedule "R"</u>			
Energy Cost Recovery - ¢/kWh	17.396	17.318	(0.08)
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	17.396	17.318	(0.08)
Residential Customer with:			
500 KWH Consumption - \$/Bill	\$188.74	\$187.89	(\$0.85)
600 KWH Consumption - \$/Bill	\$225.93	\$224.90	(\$1.03)

Hawaii Electric Light Company, Inc.
FUEL OIL INVENTORY PRICES FOR June 1, 2019

INDUSTRIAL FUEL COSTS:

	<u>HILO</u>	<u>PUNA</u>
Average Industrial Fuel Cost - \$/BBL	72.3861	72.3861
Land Transportation Cost - \$/BBL	--	1.2643
Industrial Costs For Filing - \$/BBL	72.3861	73.6504
Conversion Factors - mmbtu/BBL	6.30	6.30
Industrial Costs For Filing - ¢/mmbtu	1,148.99	1,169.05

DIESEL FUEL COSTS:

	<u>KEAHOLE</u>	<u>PUNA CT-3</u>	<u>HILO</u>
Average Diesel Fuel Cost - \$/BBL	107.2052	107.2052	107.2052
Land Transportation Cost - \$/BBL	1.8788	1.2333	1.0524
Diesel Costs For Filing - \$/BBL	109.0841	108.4386	108.2576
Conversion Factors - mmbtu/BBL	5.86	5.86	5.86
Diesel Costs For Filing - ¢/mmbtu	1,861.50	1,850.49	1,847.40

ULSD FUEL COSTS:

	<u>KEAHOLE</u>	<u>WAIMEA</u>	<u>HILO</u>	<u>DISPERSED GENERATION</u>
Average ULSD Fuel Cost - \$/BBL	91.8490	91.8490	91.8490	91.8490
Land Transportation Cost - \$/BBL	2.0218	3.2963	1.1459	-
ULSD Costs For Filing - \$/BBL	93.8708	95.1453	92.9948	91.8490
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,638.23	1,660.48	1,622.95	1,602.95

Dispersed Generation, cents per kWh

	<u>COMPOSITE COST OF DISP. GEN.</u>
BBIs Fuel:	187.0245
\$/BBI Inv Cost:	91.8490
Fuel \$ (Prod Sim Consumption x Unit Cost)	17,178.00
Net kWh (from Prod Sim)	111,000
cents/kWh:	15.476

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

	SHIPMAN INDUSTRIAL		HILL INDUSTRIAL		COST PER BARREL		
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 04/30/2019	0	0.00	44,887	3,592,307.34			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Actual	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	0	0.00	(39,165)	(2,901,310.07)			
Actual	0	0.00	29,232	2,161,821.24			
Consumed: Estimate	0	0.00	31,498	2,248,361.18			
Actual	0	0.00	(26,939)	(2,122,829.98)			
Balance Per G/L 04/30/2019	<u>0</u>	<u>0.00</u>	<u>39,513</u>	<u>2,978,349.71</u>			
Purchases	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer out	xxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx			
Transfer in	0	0.00	18,304	1,310,234.92			
Consumed	<u>0</u>	<u>0.00</u>	<u>(18,638)</u>	<u>(1,403,363.12)</u>	106.5901	0.0000	106.5901
Balance @ 05/31/2019	0	0.00	39,179	2,885,221.51			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 05/31/2019	<u>0</u>	<u>0.00</u>	<u>39,179</u>	<u>2,885,221.51</u>			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxx	(2,885,221.51)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxx	2,836,016.44			
Total @ 06/01/2019 Avg Price	<u>0</u>	<u>0.00</u>	<u>39,179</u>	<u>2,836,016.44</u>			

Weighted Avg Cost/BBL by Location #DIV/0! 73.6420

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 72.3861

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

PUNA INDUSTRIAL

	BBL	COST	LAND TRANSP	COST PER BARREL		TOTAL
				EXCLUDE LT	LT	
Balance at 04/30/2019	10,022	542,215.26	14,496.43			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers out: Estimate	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	(10,828)	(814,645.48)	(12,947.47)			
Actual	9,368	709,618.88	11,593.90			
Consumed: Estimate	6,523	465,618.77	4,862.29			
Actual	(7,656)	(342,835.78)	(6,863.35)			
Balance Per G/L 04/30/2019	7,429	559,971.65	11,141.80			
Purchases	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	12,940	955,297	17,020.11			
Consumed	(13,225)	(995,786.96)	(19,129.96)	75.2958	1.4465	76.7423
Balance @ 05/31/2019	7,144	519,481.45	9,031.95			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	7,144	519,481.45	9,031.95		1.2643	
Reverse Fuel Balance	XXXXXXXXXXXX	(519,481.45)	XXXXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	517,126.56	XXXXXXXXXXXX			
Total @ 06/01/2019 Avg Price	7,144	517,126.56	9,031.95			

Weighted Avg Cost/BBL by Location

72.7158

1.2643

Weighted Avg Cost/BBL @ Avg Cost

72.3861

1.2643

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

PUNA CT-3

HS Diesel	BBL	GALLONS	COST EXCLUD LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 04/30/2019	3,503.9	147,162.0	373,513.4	2,477.2			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Actual		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfers in: Estimate	(4,849.3)	(203,671.0)	(445,368.7)	(5,376.9)			
Actual	5,370.3	225,551.0	560,686.7	6,059.0			
Consumed: Estimate	5,301.1	222,648.0	526,024.6	6,128.6			
Actual	(4,145.7)	(174,120.0)	(455,387.6)	(4,792.2)			
Balance Per G/L 04/30/2019	5,180.2	217,570	559,468.36	4,495.64			
Purchases		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX			
Transfer in	3,829.3	160,832.0	367,551.8	4,246.0	95.9832		
Consumed	(4,725.5)	(198,471)	(465,612.02)	(3,340.93)	98.5318	0.7070	99.2388
Balance @ 05/31/2019	4,284.1	179,931	461,408.17	5,400.68	107.7032		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 05/31/2019	5,223.0	219,365	552,958.44	6,441.73	105.8705		
Reverse Fuel Balance		XXXXXXXXXXXXXXXXXXXX	(552,958.44)	XXXXXXXXXXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXXXXXXXXXX	559,929.90	XXXXXXXXXXXXXXXXXXXX			
Total @ 06/01/2019 Avg Price	5,223.0	219,365	559,929.90	6,441.73	107.2052		

Weighted Avg Cost/BBL by Location

105.8705 1.2333

Weighted Avg Cost/BBL @ Avg Cost

107.2052 1.2333

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

TOTAL HILO HS-DIESEL

HS Diesel	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER EXCL LT	BARREL LT	TOTAL
Balance at 04/30/2019	1905.0	80,010	165,730	1,970			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers out: Estimate		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Actual		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfers in: Estimate	-563.4	-23662.0	-52982.9	-551.3			
Actual	562.7	23635.0	58006.5	553.2			
Consumed: Estimate	297.0	12475.0	29473.2	315.4			
Actual	-267.5	-11234.0	8635.8	-47.1			
Balance Per G/L 04/30/2019	1933.9	81,224	208,862.70	2,240.21	108.0005		
Purchases		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer out		XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX			
Transfer in	376.0	15792.0	36874.3	185.0	99.0723		
Consumed	-316.6	-13296.0	-31192.4	-327.4	98.5318	1.0341	99.5659
Balance @ 05/31/2019	1,993.3	83,720	214,544.63	2,097.80	107.6311		
Inven From Offsite/Transfers	0.0	0.0	0.0	0.0			
Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Fuel Balance @ Avg Price	1,993.3	83,720	214,544.63	2,097.80	107.6311		
Reverse Fuel Balance		XXXXXXXXXXXX	XXXXXXXXXXXX -214,544.63	XXXXXXXXXXXX			
Fuel Balance @ Avg Price		XXXXXXXXXXXX	XXXXXXXXXXXX 213,695.78	XXXXXXXXXXXX			
Total @ 06/01/2019 Avg Price	1,993.3	83,720	213,695.78	2,097.80	107.2052		
Weighted Avg Cost/BBL by Location			107.6311	1.0524			
Weighted Avg Cost/BBL @ Avg Cost			107.2052	1.0524			

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

KEAHOLE DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL EXCLUD LT	LT	TOTAL
Balance at 04/30/2019	2,030.4	85,277	184,252.19	6,598.96			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	0.0	0	0.00	0.00			
Actual	189.0	7,936	19,226.69	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate		(15,874)	(35,613.47)	(1,074.67)			
Actual		(105)	0.00	537.27			
Consumed: Estimate	189.8	7,973	17,175.95	624.78			
Actual	(152.6)	(6,408)	(15,542.90)	(3,127.75)	101.8729		
Balance Per G/L 04/30/2019	1,876.2	78,799	169,498.46	3,558.59	90.3430		
Purchases	188.9	7,933	18,775.48	537.06	0.0000		
Estimated Purchases	190.0	7,980	18,886.72	540.25			
Transfer in	(0.6)	(25)	0.00	(1.69)	0.00		
Consumed	(62.0)	(2,604)	(5,705.86)	(201.51)	92.0300	3.2501	95.2801
Balance @ 05/31/2019	2,192.5	92,083	201,454.80	4,432.70	91.8856		
Inventory From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ Avg Price	2,192.5	92,083	201,454.80	4,432.70	91.8856		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(201,454.80)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	201,374.49	xxxxxxxxxxxx			
Total @ 06/01/2019 Avg Price	2,192.5	92,083	201,374.49	4,432.70	91.8490		

Weighted Avg Cost/BBL by Location

91.8856 2.0218

Weighted Avg Cost/BBL @ Avg Cost

91.8490 2.0218

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

WAIMEA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP	COST PER BARREL	LT	TOTAL
Balance at 04/30/2019	1,130.4	47,475.0	102,065.3	3,745.26			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		0	0.00	0.00			
Actual		0.0	0.0	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxx			
Transfers in: Estimate	(1.1)	(48)	0.00	0.00			
Actual	1.5	61	0.00	0.00			
Consumed: Estimate	154.5	6,488	13,976.87	511.79			
Actual	(128.5)	(5,398)	(11,549.76)	(425.80)			
Balance Per G/L 04/30/2019	1,156.6	48,578	104,492.39	3,831.25	90.3430		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	-	0	0.00	0.00			
Transfer in	xxxxxxxxxxxx	223	0.00	0.00	#DIV/0!		
Consumed	(69.6)	(2,924)	(6,407.04)	(230.67)	92.0300	3.3133	95.3433
Balance @ 05/31/2019	1,092.3	45,877	98,085.35	3,600.58	89.7963		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ Avg Price	1,092.3	45,877	98,085.35	3,600.58	89.7963		
Reverse Fuel Balance	xxxxxxxxxxxx	xxxxxxxxxxxx	(98,085.35)	xxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxxxx	xxxxxxxxxxxx	100,327.51	xxxxxxxxxxxx			
Total @ 06/01/2019 Avg Price	1,092.3	45,877	100,327.51	3,600.58	91.8490		

Weighted Avg Cost/BBL by Location

89.7963 3.2963

Weighted Avg Cost/BBL @ Avg Cost

91.8490 3.2963

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

KANOELEHUA DIESEL

ULSD	BBL	GALLONS	COST EXCLUDE LT	LAND TRANSP		
Balance at 04/30/2019	1,098.9	46,155.0	104,766.9	1,620.3		
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	0.0	0	0.00	0.00		
Actua	0.0	0	0.00	0.00		
Transfers out: Estimate		x	x	x		
Actua		x	x	x		
Transfers in: Estimate		0	0.00	0.00		
Actua		0	0.00	0.00		
Consumed: Estimate	104.2	4,377	967.04	26.58		
Actua	(92.4)	(3,882)	(5,388.70)	(360.20)		
Balance Per G/L 04/30/2019	1,110.7	46,650	100,345.22	1,286.63		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	190	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(38.8)	(1,630)	(967.04)	(26.58)	92.03	1.4744
Balance @ 05/31/2019	1,261.9	53,000	118,290.78	1,445.98		
Inventory From Offsite/Transfers	0.0	0	0.00	0.00		
Est'd Inventory Addition	0.0	0	0.00	0.00		
Fuel Balance @ Avg Price	1,261.9	53,000	118,290.78	1,445.98		
Reverse Fuel Balance	x	x	(118,290.78)	x		
Fuel Balance @ Avg Price	x	x	115,904.65	x		
Total @ 06/01/2019 Avg Price	1,261.9	53,000	115,904.65	1,445.98		

Weighted Avg Cost/BBL by Location

93.7399 1.1459

Weighted Avg Cost/BBL @ Avg Cost

91.8490 1.1459

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
May 2019

DISPERSED GENERATION

	BBL	GALLONS	COST	COST/BBL
Balance at 04/30/2019	139.7	5,869	13,795.07	
Less: Est'd Inven Addition	0.0	XXXXXXXXXX	XXXXXXXXXX	
Purchases: Estimate	(65.2)	(2,738)	(6,490.61)	
Actual	65.2	2,738	6,633.41	
Consumed: Estimate	25.4	1,067	2,298.60	
Actual	(16.4)	(690)	(2,801.18)	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Balance Per G/L 04/30/2019	148.71	6,246	13,435.29	90.3430
Purchases	0.0	0	0.00	0.0000
Transfer out	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Transfer in	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
Consumed	(1.7)	(72)	(157.77)	92.0300
Balance @ 05/31/2019	147.0	6,174	13,277.52	90.3233
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 05/31/2019	147.0	6,174	13,277.52	
Reverse Fuel Balance	XXXXXXXXXX	XXXXXXXXXX	(13,277.52)	xxxx
Fuel Balance @ Avg Price	XXXXXXXXXX	XXXXXXXXXX	13,501.80	xxxx
Total @ 06/01/2019 Avg Price	147.0	6,174	13,501.80	91.8490

Hawaii Electric Light Company, Inc.
PURCHASED POWER PRICES FOR June 1, 2019

		<u>June 1, 2019</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
PGV (25 MW)	- on peak	16.368	6.560
PGV (22 MW)	- off peak	14.924	5.430
WAILUKU HYDRO	- on peak	16.368	7.240
	off peak	14.924	5.970
Other: (<100 KW)	Sch Q Rate	15.440	
		<u>June 1, 2019</u> <u>(¢/kWh)</u>	<u>Floor Rates</u> <u>(¢/kWh)</u>
HEP		13.632	
PGV Addtl 5 MW	- on peak	13.0500	0.0000
	- off peak	13.0500	0.0000
PGV Addtl 8 MW	- on peak	9.9500	0.0000
	- off peak	6.6400	0.0000

Hawaii Electric Light Company, Inc.
Energy Cost Reconciliation Adjustment
June 1, 2019

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$1,745,900)
2	Monthly Amount ($\frac{1}{3}$ x Line 1)	(\$581,967)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$638,717)
5	Estimated MWh Sales (June 1, 2019)	86,383 mwh
6	Adjustment (Line 4 / Line 5)	(0.739) ¢/kwh

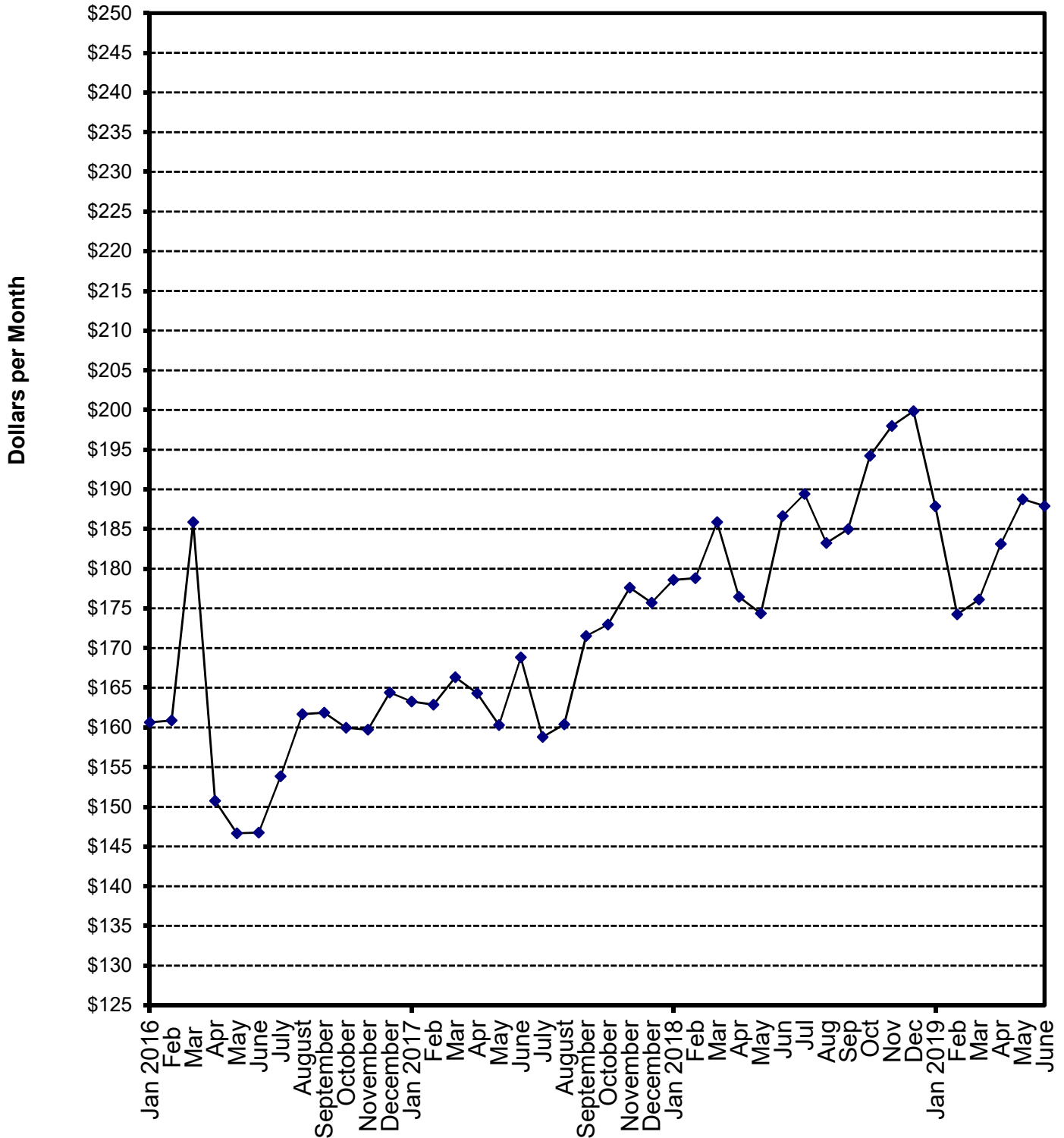
HAWAII ELECTRIC LIGHT COMPANY, INC.
2019 Cumulative Reconciliation Balance

<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>
January 18					(238,067)	(242,224)	1,462
February	825,100	[4]	(29,783)	854,883	(275,033)	(279,869)	576,476
March					(275,033)	(283,895)	292,581
April					(275,033)	(291,829)	752
May	1,153,900	(1)	(17,855)	1,171,755	(384,633)	(398,709)	773,798
June					(384,633)	(387,715)	386,083
July					(384,633)	(399,033)	(12,950)
August	699,900	[2]	(33,954)	733,854	(233,300)	(244,658)	476,246
September					(233,300)	(240,110)	236,136
October					(233,300)	(241,346)	(5,210)
November	917,000	[3]	(32,568)	949,568	(305,667)	(309,251)	635,107
December 18					(305,667)	(302,091)	333,016
January 19					(305,667)	(300,243)	32,773
February	2,598,900	[4]	(8,054)	2,606,954	(866,300)	(800,636)	1,839,091
March					(866,300)	(825,091)	1,014,000
April					(866,300)	(829,484)	184,516
May	1,745,900	(1)	112,297	1,633,603	(581,967)		
June					(581,967)		

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 6)
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))

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



**HAWAII ELECTRIC LIGHT COMPANY, INC.
FUEL OIL ADJUSTMENT FACTOR DATA**

<u>EFFECTIVE DATE</u>	<u>FUEL FACTOR</u> <u>CENTS / KWH</u>		
	<u>RESIDENTIAL &</u> <u>COMMERCIAL @ 500 KWH</u>	<u>RESIDENTIAL BILL (\$)</u> <u>@ 600 KWH</u>	
January 1, 2015	2.369	189.62	227.20
February 1, 2015	0.485	179.22	214.71
March 1, 2015	-0.519	174.32	208.85
April 1, 2015	-0.990	170.37	204.10
May 1, 2015	-0.420	175.10	209.79
June 8, 2015	-0.579	175.16	209.85
July 1, 2015	0.264	178.14	213.38
August 1, 2015	-0.586	174.16	208.61
September 1, 2015	-0.927	172.43	206.54
October 1, 2015	-1.671	168.73	202.10
November 1, 2015	-2.727	163.20	195.47
December 1, 2015	-2.859	162.59	194.74
January 1, 2016	-3.223	160.63	192.41
February 1, 2016	-2.962	160.87	192.69
March 1, 2016	-4.311	154.26	184.76
April 1, 2016	-4.715	150.76	180.57
May 1, 2016	-5.554	146.66	175.64
June 1, 2016	-5.546	146.74	175.74
July 1, 2016	-4.248	153.85	184.31
August 1, 2016	-3.094	161.67	193.69
September 1, 2016	-3.040	161.85	193.90
October 1, 2016	-3.427	159.97	191.65
November 1, 2016	-3.514	159.72	191.35
December 1, 2016	-2.584	164.41	196.97
January 1, 2017	-2.842	163.27	195.58
February 1, 2017	-2.956	162.87	195.09
March 1, 2017	-2.274	166.31	199.24
April 1, 2017	-2.425	164.31	196.83
May 1, 2017	-3.035	160.30	192.02
June 1, 2017	-1.343	168.82	202.25
July 1, 2017	-3.220	158.79	190.22
August 1, 2017	-3.643	160.39	192.15
September 1, 2017	-2.447	171.52	205.50
October 1, 2017	-2.131	172.97	207.23
November 1, 2017	-0.885	177.60	212.80
December 1, 2017	-1.405	175.02	209.69
January 1, 2018	-0.723	178.59	213.95
February 1, 2018	-0.579	178.81	214.22
March 1, 2018	0.816	185.87	222.68
April 1, 2018	-0.912	176.46	211.39
May 1, 2018	-0.452	174.38	208.90
June 1, 2018	2.301	186.65	223.63
July 1, 2018	2.831	189.43	226.97
August 1, 2018	1.665	183.25	219.55
September 1, 2018	2.027	184.98	221.62
October 1, 2018	8.359	194.21	232.50
November 1, 2018	8.913	197.99	237.04
December 1, 2018	9.292	199.86	239.29
January 1, 2019	6.867	187.86	224.86
February 1, 2019	14.631	174.25	208.53
March 1, 2019	14.976	176.1	210.75
April 1, 2019	16.469	183.12	219.17
May 1, 2019	17.396	188.74	225.93
June 1, 2019	17.318	187.89	224.90

**HAWAII ELECTRIC LIGHT COMPANY, INC.
RESIDENTIAL SURCHARGE DATA**

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
04/09/12	FINAL RATE INCREASE (1.28%), DOCKET NO. 2009-0164 (2010 TEST YEAR)	
1/1/2016-1/31/2016	PURCHASED POWER ADJUSTMENT CLAUSE	2.3260 CENTS/KWH
1/1/2016-06/30/16	GREEN INFRASTRUCTURE FEE	1.3000 DOLLARS/MONTH
2/1/2016 - 2/29/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1114 CENTS/KWH
3/1/2016 - 3/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1401 CENTS/KWH
4/1/2016 - 4/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.1228 CENTS/KWH
4/1/2016 - 4/30/16	SOLARSAVER ADJUSTMENT	-0.2779 CENTS/KWH
5/1/2016 - 5/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8623 CENTS/KWH
5/1/2016	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2016 - 6/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8442 CENTS/KWH
6/1/2016	RBA RATE ADJUSTMENT	1.4241 CENTS/KWH
7/1/2016-7/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	1.8909 CENTS/KWH
7/1/2016	GREEN INFRASTRUCTURE FEE	1.1300 DOLLARS/MONTH
7/1/2016	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5865 CENTS/KWH
8/1/2016-8/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3000 CENTS/KWH
9/1/2016-9/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.2824 CENTS/KWH
10/1/2016-10/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.2930 CENTS/KWH
11/1/2016-11/30/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3298 CENTS/KWH
12/1/2016-12/31/16	PURCHASED POWER ADJUSTMENT CLAUSE	2.3371 CENTS/KWH
1/1/2017-1/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	2.3400 CENTS/KWH
1/1/2017	GREEN INFRASTRUCTURE FEE	1.2700 DOLLARS/MONTH
2/1/2017 - 2/28/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3737 CENTS/KWH
3/1/2017 - 3/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3809 CENTS/KWH
4/1/2017-4/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.3781 CENTS/KWH
4/1/2017-4/30/17	SOLARSAVER ADJUSTMENT	-0.2462 CENTS/KWH
5/1/2017-5/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	1.9396 CENTS/KWH
5/1/2017	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
6/1/2017-6/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	1.9225 CENTS/KWH
6/1/2017	RBA RATE ADJUSTMENT	1.4533 CENTS/KWH
7/1/2017 - 7/31/2017	PURCHASED POWER ADJUSTMENT CLAUSE	1.9710 CENTS/KWH
7/1/2017 - 12/31/17	GREEN INFRASTRUCTURE FEE	1.1800 DOLLARS/MONTH
7/1/2017	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4244 CENTS/KWH
8/1/2017-8/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7161 CENTS/KWH
9/1/2017-9/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7515 CENTS/KWH
8/31/2017-4/30/18	INTERIM RATE INCREASE 2016	5.8800 PERCENT ON BASE
8/31/2017	RBA RATE ADJUSTMENT	0.6313 CENTS/KWH
10/1/2017 - 10/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.7257 CENTS/KWH
11/1/2017 - 11/30/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.4067 CENTS/KWH
12/1/2017 - 12/31/17	PURCHASED POWER ADJUSTMENT CLAUSE	2.4090 CENTS/KWH
1/1/2018 - 1/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.4105 CENTS/KWH
1/1/18-6/30/18	GREEN INFRASTRUCTURE FEE	1.3400 DOLLARS/MONTH
2/1/18-2/28/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3101 CENTS/KWH
3/1/18 - 3/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3258 CENTS/KWH
04/1/18-04/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3184 CENTS/KWH
04/1/18-04/30/18	SOLARSAVER ADJUSTMENT	-0.1464 CENTS/KWH
05/1/18-05/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.3395 CENTS/KWH
05/1/18-05/31/18	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
5/1/2018	INTERIM RATE INCREASE 2016	2.5000 PERCENT ON BASE
06/01/18-06/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6729 CENTS/KWH
6/1/2018	RBA RATE ADJUSTMENT	1.0006 CENTS/KWH
07/01/18-07/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6811 CENTS/KWH
7/1/2018- 12/31/18	GREEN INFRASTRUCTURE FEE	1.2100 DOLLARS/MONTH
7/1/2018	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4658 CENTS/KWH
08/01/18-08/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.6110 CENTS/KWH
09/01/18-09/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.5950 CENTS/KWH
10/01/18-10/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	1.8602 CENTS/KWH
10/1/2018	INTERIM RATE INCREASE 2016	0.0000 PERCENT ON BASE
10/1/2018	FINAL RATE INCREASE (TY 2016) 0.53% EFFECTIVE 10/01/18, DOCKET NO. 2015-0170	
11/1/2018-11/30/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.0617 CENTS/KWH
12/1/2018-12/31/18	PURCHASED POWER ADJUSTMENT CLAUSE	2.0577 CENTS/KWH
1/1/2019-1/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	2.0548 CENTS/KWH
1/1/2019- 06/30/19	GREEN INFRASTRUCTURE FEE	1.3500 DOLLARS/MONTH
2/1/2019-2/28/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8113 CENTS/KWH
3/1/2019-3/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8372 CENTS/KWH
04/1/2019-4/30/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.8247 CENTS/KWH
04/1/19-04/30/19	SOLARSAVER ADJUSTMENT	-0.0768 CENTS/KWH
05/01/2019-5/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9460 CENTS/KWH
05/01/2019	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/2019-6/30/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9474 CENTS/KWH
6/1/2019	RBA RATE ADJUSTMENT	0.9069 CENTS/KWH

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

Calculations of the Average Residential Customer Bill

	Rate		Charge (\$) at 500 Kwh			
	05/01/19	06/01/19	05/01/19	06/01/19	Difference	
Base Rates	effective date:	2/1/2019	2/1/2019			
Base Fuel Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$71.85	\$71.85	\$0.00
First 300 kWh per month	¢/kwh	13.0289	13.0289	\$39.09	\$39.09	\$0.00
Next 700 kWh per month	¢/kwh	16.3807	16.3807	\$32.76	\$32.76	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$83.35	\$83.35	\$0.00
Interim Rate Increase 2016 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh	1.0006	0.9069	\$5.00	\$4.53	-\$0.47
Purchased Power Adj. Clause	¢/kwh	1.9460	1.9474	\$9.73	\$9.74	\$0.01
PBF Surcharge	¢/kwh	0.4658	0.4658	\$2.33	\$2.33	\$0.00
DSM Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	17.3960	17.3180	\$86.98	\$86.59	-\$0.39
Green Infrastructure Fee	\$	1.3500	1.3500	\$1.35	\$1.35	\$0.00
Avg Residential Bill at 500 kwh				\$188.74	\$187.89	

Increase (Decrease -)	-\$0.85
% Change	-0.45%

	Rate		Charge (\$) at 600 Kwh			
	05/01/19	06/01/19	05/01/19	06/01/19	Difference	
Base Rates	effective date:	2/1/2019	2/1/2019			
Base Fuel/Energy Charge	¢/kwh	-	-	\$0.00	\$0.00	\$0.00
Non-Fuel Energy Charge	¢/kwh			\$88.23	\$88.23	\$0.00
First 300 kWh per month	¢/kwh	13.0289	13.0289	\$39.09	\$39.09	\$0.00
Next 700 kWh per month	¢/kwh	16.3807	16.3807	\$49.14	\$49.14	\$0.00
Customer Charge	\$	11.50	11.50	\$11.50	\$11.50	\$0.00
Total Base Charges				\$99.73	\$99.73	\$0.00
Interim Rate Increase 2016 TY	% on base	0.0000%	0.0000%	\$0.00	\$0.00	\$0.00
RBA Rate Adjustment	¢/kwh	1.0006	0.9069	\$6.00	\$5.44	-\$0.56
Purchased Power Adj. Clause	¢/kwh	1.9460	1.9474	\$11.68	\$11.68	\$0.00
PBF Surcharge	¢/kwh	0.4658	0.4658	\$2.79	\$2.79	\$0.00
DSM Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
SolarSaver Adjustment	¢/kwh	0.0000	0.0000	\$0.00	\$0.00	\$0.00
Energy Cost Recovery	¢/kwh	17.3960	17.3180	\$104.38	\$103.91	-\$0.47
Green Infrastructure Fee	\$	1.3500	1.3500	\$1.35	\$1.35	\$0.00
Avg Residential Bill at 600 kwh				\$225.93	\$224.90	

Increase (Decrease -)	-\$1.03
% Change	-0.46%