

SHARON M. SUZUKI President

February 26, 2020

FILED

2020 FEB 26 P 3: 33

PUBLIC UTILITIES COMMISSION

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: Hawai'i Electric Light Energy Cost Recovery Factor for March 2020

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Recovery factor for March 2020 is 17.424 cents per kilowatt-hour ("kWh"), a decrease of 0.12 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$188.72, a decrease of \$0.50 compared to rates effective February 1, 2020. The decrease in the residential bill is due to the decrease in the Energy Cost Recovery Factor (-\$0.62), partially offset by the increase in Purchased Power Adjustment Clause (+\$0.12).

Hawai'i Electric Light's fuel composite cost of generation increased 45.06 cents per million BTU to 1,358.39 cents per million BTU. The composite cost of distributed generation decreased 16.603 cents per kWh to 0 cents per kWh. The composite cost of purchased energy decreased 0.88 cents per kWh to 14.217 cents per kWh.

The attached sheets set forth the energy cost recovery factor in cents per kWh for each rate schedule that is applicable for pro rata use beginning March 1, 2020.

Sincerely,

Attachments

cc: Division of Consumer Advocacy

Shaw M. Agler

HAWAII ELECTRIC LIGHT COMPANY, INC.

ENERGY COST RECOVERY FACTOR

	EFFECTIVE	E DATES	
	2/01/20	3/01/20	<u>Change</u>
Composite Cost			
Generation, ¢/mmbtu Dispersed Generation Energy, ¢/kWh Purchased Energy, ¢/kWh	1,313.33 16.603 15.097	1,358.39 0.000 14.217	45.06 (16.60) (0.88)
Residential Schedule "R"			
Energy Cost Recovery - ¢/kWh	17.547	17.424	(0.12)
Others - "G,J,P,F"			
Energy Cost Recovery - ¢/kWh	17.547	17.424	(0.12)
Residential Customer with:			
500 KWH Consumption - \$/Bill 600 KWH Consumption - \$/Bill	\$189.22 \$226.49	\$188.72 \$225.90	(\$0.50) (\$0.59)

HAWAII ELECTRIC LIGHT COMPANY, INC. ENERGY COST RECOVERY (ECR) FILING

ENERGY COST RECOVERY (ECR) FILING - March 1, 2020 (Page 1 of 2)

Line

1 Effective Date March 1, 2020 2 Supercedes Factors of February 1, 2020

GENERATION COMPONENT

C	ENTRAL STAT	ON WITH WIND	HYDRO COMPON	NENT		
	FUEL PRICES,		MIT BILO COMIT OF	<u> </u>		
3	TOLLT MOLO,	φπιποτα				
4	Hill Industrial			1,069.03		
		al .		,		
5	Puna Industria			1,093.67		
6	Keahole Diese			1,601.90		
	Keahole ULSI			1,682.66		
	Waimea ULSD	Diesel		1,677.50		
8	Hilo Diesel			1,574.35		
8a	Hilo (Kanoelehu	ua) ULSD Diesel ¹		1,651.33		
9	Puna Diesel			1,579.28	DG ENERGY COMPONENT	
10	Wind			0.00	35 COMPOSITE COST OF DG	
11	Hydro			0.00		0.0
11	пушо			0.00	ENERGY, ¢/kWh	
	DTILLMIN 0/				36 % Input to System kWh Mix	0.0
40	BTU MIX, %				07 MEIOUTED COMPCONT TO THE COMPCONT	
12					37 WEIGHTED COMPOSITE DG ENERGY COST,	
13	Hill Industrial			34.245	¢/kWh (Lines 35 x 36)	0.000
14	Puna Industria	al		6.305		
15	Keahole Diese	કો		50.515	38 BASE DG ENERGY COMPOSITE COST	0.0
15a	Keahole ULS[)		0.001		
16	Waimea ULSI) Diesel		0.434	39 Base % Input to System kWh Mix	0.
17				1.446	40 WEIGHTED BASE DG ENERGY COST,	
		ua) ULSD Diesel ¹	1	0.126		0.000
		ia) OLOD Diesei			¢/kWh (Line 38 x 39)	0.000
18	Puna Diesel			5.192	44. Cook Loop Book (Line 07, 40)	0.000
19	Wind			0.000	41 Cost Less Base (Line 37 - 40)	0.000
20	Hydro			1.736	42 Loss Factor	1.0
				100.000	43 Revenue Tax Req Multiplier	1.09
21	COMPOSITE C	COST OF GENER	ration,		44 DG FACTOR, ¢/kWh	
	CENTRAL ST	ATION + WIND/I	HYDRO ¢/mmbtu	1,358.39	(Line 41 x 42 x 43)	0.000
22	% Input to Syst	em kWh Mix		54.661		
	EFFICIENCY F	ACTOR, mmbtu/	kWh			
	(A)	(B)	(C)	(D)		
			Percent of			
		Eff Factor	Centrl Stn +	Weighted		
	Fuel Type	mmbtu/kwh	Wind/Hydro	Eff Factor		
23	Industrial	0.014389	40.550	0.005835		
24	Diesel	0.014589	57.714	0.003633		
25	Other	0.010380				
			1.7360	0.0002		
	ines 23, 24, 25): Col(B) >		100.0000			
26	•	ency Factor, mml	Dtu/KVVh			
	[Lines 23(D) +	· 24(D) + 25(D)]		0.0121490		
27	WEIGHTED CO	OMPOSITE CEN	TRAL STATION +			
	WIND/HYDRO	O GENERATION	COST, ¢/kWh			
	(Lines (21 x 2)	2 x 26))		9.02075		
		••				
28	BASE CENTRA	AL STATION + W	/IND/HYDRO			
_0		ION COST, ¢/mm		0.00		
20	Base % Input to		iota	0.00		
				0.000000		
	Efficiency Facto		TATION:	0.000000		
31		ASE CENTRAL S				
		GENERATION	COST ¢/kWh			
	(Lines (28 x 2	29 x 30))		0.00000		
					SUMMARY OF	
	COSTIESS B	ASE (Line 27 - 31	1)	9.02075	TOTAL GENERATION FACTOR, ¢/kWh	
32	COST LLSS D		-	1.0975	45 Cntrl Stn+Wind/Hydro (line 34)	9.900
	Revenue Tax R	Reg Multiplier		1.0373		
33	Revenue Tax R	Req Multiplier ATION + WIND/H	YDRO	1.0373	• , ,	
33	Revenue Tax R CENTRAL STA	ATION + WIND/H	YDRO	1.0373	46 DG (line 44)	0.000
33	Revenue Tax R	ATION + WIND/H FACTOR,	YDRO	9.90027	• , ,	

¹ Hilo ULSD same location as Kanoelehua ULSD

HAWAII ELECTRIC LIGHT COMPANY, INC. ENERGY COST RECOVERY (ECR) FILING

ENERGY COST RECOVERY (ECR) FILING - March 1, 2020 (Page 2 of 2)

line	DIIBURYSEDE	NERGY COMPONEN	-			
<u>Line</u>	FUNCHASED E	NEINGT CONFONEN	<u>.</u>			
	PURCHASED ENERGY PR	CE, ¢/kWh Fossil				
48	HEP		14.364			
	PURCHASED ENERGY PRI	CE d/k/Mh Panawahla				
49	PGV	On Peak	15.265			
	PGV	Off Peak	14.289			
	PGV - Add'l 5 MW	On Peak	13.250			
	PGV - Add'l 5 MW	Off Peak	13.250			
53	PGV - Add'l 8 MW	On Peak	10.100			
54	PGV - Add'l 8 MW	Off Peak	6.740			
	Wailuku Hydro	On Peak	15.265			
	Wailuku Hydro	Off Peak	14.289			
	Hawi Renewable Dev.	On Peak	15.265			
	Hawi Renewable Dev.	Off Peak	14.289			
	Tawhiri (Pakini Nui)	On Peak	12.900			
	Tawhiri (Pakini Nui) HEP Biodiesel	Off Peak	12.750			
	Small Hydro (>100 KW)	On Peak	14.364 15.265			
	Small Hydro (>100 KW)	Off Peak	14.289			
	Sch Q Hydro (<100 KW)	On I can	14.490			
	FIT		23.800			
	PURCHASED ENERGY KW	H MIX, %,				
66	HEP, Fossil		62.203			
67	PURCHASED ENERGY KW	, ,	0.000			
	PGV	On Peak	0.000			
	PGV PGV - Addt'l	Off Peak On Peak	0.000			
	PGV - Addt'l	Off Peak	0.000			
	PGV - Add'l 8 MW	On Peak	0.000			
	PGV - Add'l 8 MW	Off Peak	0.000			
	Wailuku Hydro	On Peak	2.586			
	Wailuku Hydro	Off Peak	2.031			
	Hawi Renewable Dev.	On Peak	3.839			
76	Hawi Renewable Dev.	Off Peak	1.944			
	Tawhiri (Pakini Nui)	On Peak	11.107	Derivation of	of No	on-Adjustable Component:
	Tawhiri (Pakini Nui)	Off Peak	7.958			
	HEP Biodiesel		7.385	93A		Ocean Cargo Insurance Exp, \$00
	Small Hydro (>100 KW)	On Peak	0.000			HELCO-603, page 1, line 4
	Small Hydro (>100 KW)	Off Peak	0.000	93B		Revenue Tax Adjustment
	Sch Q Hydro (<100 KW) FIT		0.000	93C		Non-Adj Revenues, \$000
03	111		0.947 100.000	93D		2019 TY Sales, MWh HELCO-301
			100.000	93E		Non-Adj Revenues, ¢/kWh
83a	Comp. Cost Purchased Ener	av Fossil. ¢/kWh	14.3640	JOL		
	Comp. Cost Purchased Ener		13.9757			
	COMPOSITE COST OF PU					
	ENERGY, ¢/kWh		14.217			
85	% Input to System kWh Mix		45.339			
86	WEIGHTED COMPOSITE P					
	COST, ¢/kWh (Lines (84 x	85))	6.44585			
c-	DAGE DUBOUAGES EVE	27				
87	BASE PURCHASED ENERG		0.000			OVOTEN
00	COMPOSITE COST, ¢/kW		0.000	<u>Line</u>		SYSTEM (
	Base % Input to Sys kWh Mi WEIGHTED BASE PURCHA		0.00		04	CENEDATION AND DUDCHAS
09			0.00000		94	GENERATION AND PURCHAS FACTOR, ¢/kWh (Lines (47 +
	COST, ¢/kWh (Lines (87 x	00))	0.00000		05	Not Used
90	COST LESS BASE (Lines (8	6 - 89))	6.44585			Non-Adjustable Component
	Loss Factor		1.072			ECA Reconciliation Adjustment
	Revenue Tax *		1.0975			ECA FACTOR, ¢/kWh
	PURCHASED ENERGY FAC	CTOR, ¢/kWh	7.58367			(Lines (94 + 95+ 96 + 97))
	(Lines (90 x 91 x 92))	•				

Hawaii Electric Light Company, Inc. FUEL OIL INVENTORY PRICES FOR March 1, 2020

INDUSTRIAL FUEL COSTS: Average Industrial Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	<u>HILO</u> 67.3491 	<u>PUNA</u> 67.3491 1.5523		
Industrial Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	67.3491 6.30	68.9014 6.30		
Industrial Costs For Filing - ¢/mmbtu	1,069.03	1,093.67		
DIESEL FUEL COSTS: Average Diesel Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 91.1085 2.7629	PUNA CT-3 91.1085 1.4374	HILO 91.1085 1.1483	
Diesel Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	93.8714 5.86	92.5459 5.86	92.2568 5.86	
Diesel Costs For Filing - ¢/mmbtu	1,601.90	1,579.28	1,574.35	1
				DISPERSED
ULSD FUEL COSTS:	KEAHOLE	WAIMEA	HILO	GENERATION
Average ULSD Fuel Cost - \$/BBL	93.1930	93.1930	93.1930	93.1930
Land Transportation Cost - \$/BBL	3.2234	2.9276	1.4281	-
ULSD Costs For Filing - \$/BBL	96.4165	96.1207	94.6211	93.1930
Conversion Factors - mmbtu/BBL	5.73	5.73	5.73	5.73
ULSD Costs For Filing - ¢/mmbtu	1,682.66	1,677.50	1,651.33	1,626.41

Dispersed Generation, cents per kWh

	COMPOSITE COST OF DISP. GEN.
BBIs Fuel:	15.1991
\$/BBI Inv Cost:	93.1930
Fuel \$ (Prod Sim Consumption x Unit Cost)	1,416.45
Net kWh (from Prod Sim)	0
cents/kWh:	#DIV/0!

SHIPMAN INDUSTRIAL	HILL INDUSTRIAL

						COST PER BARREL	
	BBL	COST	BBL	COST	EXCL LT	LT Total	
Balance at 01/31/2020	0	0.00	41,881	2,502,067.58			
Less: Est'd Inventory Addn			0	0.00			
Purchases: Estimate	xxxxxx xxxx	xxxxxxxxxx	xxxxxxx x	xxxxxxxxxxx			
Actual	XXXXXX XXXX	xxxxxxxxxxx	xxxxxxx x	XXXXXXXXXXXXX			
Transfers out: Estimate	XXXXXX XXXX	xxxxxxxxxx	xxxxxxx x	xxxxxxxxxxx			
Actual	XXXXXX XXXX	xxxxxxxxxx	xxxxxxx x	XXXXXXXXXXXXX			
Transfers in: Estimate	0	0.00	(47,802)	(2,835,856.74)			
Actual	0	0.00	48,194	2,864,875.40			
Consumed: Estimate	0	0.00	37,234	2,167,867.03			
Actual	0	0.00	(41,622)	(2,423,348.59)			
Balance Per G/L 01/31/2020	0	0.00	37,885	2,275,604.68			
Purchases	xxxxxx xxxx	xxxxxxxxxx	xxxxxxx x	xxxxxxxxxxx			
Transfer out	xxxxxx xxxx	«xxxxxxxxx	xxxxxxx x	xxxxxxxxxxx			
Transfer in	0	0.00	22,932	1,522,861.39			
Consumed	0	0.00	(29,746)	(1,806,898.95)	106.5901	0.0000	106.5901
Balance @ 02/29/2020	0	0.00	31,071	1,991,567.12			
Inv From Offsite/Transfers	0	0.00	0	0.00			
Est'd Inventory Addition	0	0.00	0	0.00			
Fuel Balance @ 02/29/2020	0	0.00	31,071	1,991,567.12			
Reverse Fuel Balance	xxxxxx	0.00	xxxxxxx	(1,991,567.12)			
Fuel Bal @ Avg Price	xxxxxx	0.00	xxxxxxx	2,092,605.28			
Total @ 03/01/2020 Avg Price	0	0.00	31,071	2,092,605.28			

Weighted Avg Cost/BBL by Location #DIV/0! 64.0973 Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 67.3491

PUNA INDUSTRIAL

	T ONA INDOS	1111712				
			LAND	COST PER BARREL		
	BBL	COST	TRANSP	EXCLUDE LT	LT	TOTAL
Balance at 01/31/2020	6,199	411,542.19	8,180.94			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	xxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx			
Transfers out: Estimate	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxxxxxxxxx			
Actual	xxxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxxxxxxxxx			
Transfers in: Estimate	(9,413)	(578,247.05)	(12,381.01)			
Actual	8,601	534,753.91	11,853.57			
Consumed: Estimate	11,592	674,918.48	18,145.51			
Actual	(8,195)	(477,135.69)	(12,125.35)			
Balance Per G/L 01/31/2020	8,784	565,831.84	13,673.66	_		
Purchases	xxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxx	xxxxxxxxxxxx	xxxxxxxxxxxxxxxxx			
Transfer in	4,751	304,346	6,249.04			
Consumed	(4,675)	(283,979.44)	(6,169.69)	60.7443	1.3197	62.0640
Balance @ 02/29/2020	8,860	586,198.27	13,753.01			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	8,860	586,198.27	13,753.01		1.5523	
Reverse Fuel Balance	xxxxxxxxxxx	(586,198.27)	xxxxxxxxxxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxx		xxxxxxxxxxxxxxxxxx			
Total @ 03/01/2020 Avg Price	8,860	596,713.42	13,753.01	- 		
Weighted Avg Cost/BBL by Location		66.1623	1.5523			
Weighted Avg Cost/BBL @ Avg Cost		67.3491	1.5523			

KEAHOLE DIESEL

			COST	LAND	COST PER	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 01/31/2020	39,843.4	1,673,422.0	3,512,017.6	117,917.3			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	0.0	0.0	0.0	0.0			
Actual	0.0	0.0	0.0	0.0			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Actual		xxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxxxx			
Transfers in: Estimate	(53,331.8)	(2,239,935.0)	(4,798,332.8)	(151,643.6)			
Actual	57,453.1	2,413,030.0	5,243,427.4	163,400.92			
Consumed: Estimate	44,044.9	1,849,887.0	3,937,923.4	132,604.16			
Actual	(47,667.5)	(2,002,037.0)	(4,257,370.8)	(132,326.1)	89.3138		
Balance Per G/L 01/31/2020	40,342.1	1,694,367	3,637,664.77	129,952.73	90.1705	i	
Purchases	xxxxxxxxxxx	« xxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer out	xxxxxxxxxxx	« xxxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxxx			
Transfer in	36,158.1	1,518,640.0	3,241,085.3	102,811.9	89.6365		
Consumed	(52,779.5)	(2,216,737.0)	(4,723,772.4)	(156,201.92)	89.5002	2.9595	92.4597
Balance @ 02/29/2020	27,710.7	1,163,850	2,525,329.41	76,562.73	91.1319	1	
Inventory From Offsite/Transfers	0.0	0.0	0.0	0.00			
Est'd Inventory Addition	0.0	0	0.0	0.00			
Fuel Balance @ Avg Price	27,710.7	1,163,850	2,525,329.41	76,562.73	91.1319	l	
Reverse Fuel Balance	xxxxxxxxxxx	« xxxxxxxxxxxx	(2,525,329.4)	xxxxxxxxxxxxxx			
Fuel Balance @ Avg Price		« xxxxxxxxxxxx		xxxxxxxxxxxxxx			
Total @ 03/01/2020 Avg Price	27,710.7	1,163,850	2,524,681.13	76,562.73	91.1085		
Weighted Avg Cost/BBL by Location			91.1319	2.7629			
Weighted Avg Cost/BBL @ Avg Cost			91.1085	2.7629			

HAWAII ELECTRIC LIGHT CO., INC.

Estimated Weighted Average February 2020

PUNA CT-3

			COST	LAND	COST PER E	BARREL	
HS Diesel	BBL	GALLONS	EXCLUD LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 01/31/2020	4,530.9	190,298.0	404,588.6	5,612.2			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate Actual		xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx					
Actual	^	^^^^^	^^^^	^^^^^			
Transfers out: Estimate	x	xxxxxxxxxxxxx	XXXXXXXXXXX	XXXXXXXXXX			
Actual	Х	xxxxxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx			
Transfers in: Estimate	(3,175.0)	(133,352.0)	(295,383.0)	(3,520.5)			
Actual	2,295.7	96,418.0	229,179.6	2,721.1			
Consumed: Estimate	3,213.9	134,982.0	287,341.2	3,946.1			
Actual	(4,146.4)	(174,147.0)	(380,550.6)	(3,907.2)			
Balance Per G/L 01/31/2020	2,719.0	114,199	245,175.74	4,851.83			
Purchases	xxxxxxxxxx x	xxxxxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxx			
Transfer out	xxxxxxxxxx x	xxxxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxx			
Transfer in	5,752.3	241,596.0	518,478.1	6,378.1	90.1343		
Consumed	(4,763.1)	(200,050)	(426,298.06)	(5,899.83)	89.5002	1.2387	90.7389
Balance @ 02/29/2020	3,708.2	155,745	337,355.82	5,330.14	90.9753		
Inven From Offsite/Transfers	0.0	0	0.00	0.00			
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Balance @ 02/29/2020	3,708.2	155,745	337,355.82	5,330.14	90.9753		
Reverse Fuel Balance	xxxxxxxxxx x	xxxxxxxxxxxx	(337,355.82)	xxxxxxxxxx			
Fuel Balance @ Avg Price	xxxxxxxxxx x	xxxxxxxxxxxx	337,849.78	xxxxxxxxxx			
Total @ 03/01/2020 Avg Price	3,708.2	155,745	337,849.78	5,330.14	91.1085		
Weighted Avg Cost/BBL by Location			90.9753	1.4374			

91.1085

1.4374

Weighted Avg Cost/BBL @ Avg Cost

TOTAL HILO HS-DIESEL

			COST	LAND	COST PER	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCL LT	LT	TOTAL
D I	4574.4	CE 000	426 205	1.502			
Balance at 01/31/2020	1571.1	65,988	136,285	1,563			
Less: Est'd Inven Addition	0.0	0	0	0			
2033. 25t d iiiveii / idaitioii	0.0	ŭ	· ·	J			
Purchases: Estimate		xxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx			
Actual		xxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx			
Transfers out: Estimate		xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxx			
Actual		xxxxxxxxxx	XXXXXXXXXXX	xxxxxxxxxx			
Transfers in: Estimate	0.9	36.0	0.0	0.0			
Actual	191.6	8048.0		0.0			
Actual	131.0	0040.0	17012.1	0.0			
Consumed: Estimate	49.0	2057.0	4378.8	52.8			
Actual	-43.9	-1842.0					
Balance Per G/L 01/31/2020	1768.7	74,287	159,488.00	1,973.57	90.1705		
Purchases	XXXXXXXXXXX	XXXXXXXXXXX	xxxxxxxxxx	XXXXXXXXXXX			
Transfer out	xxxxxxxxxxx	····	vvvvvvvvvvv	····			
Transfer out	*********	******	*******	*********			
Transfer in	-2.7	-113.0	0.0	0.0	0.0000		
Consumed	-354.0	-14869.0	-31685.2	-352.1	89.5002	0.9946	90.4948
Balance @ 02/29/2020	1,412.0		127,802.79		90.5104		
Inven From Offsite/Transfers	0.0	0.0					
Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Fuel Balance @ Avg Price	1,412.0	50 205	127,802.79	1,621.46	90.5104		
Tuel balance & Avg Thee	1,412.0	33,303	127,002.75	1,021.40	30.3104		
Reverse Fuel Balance	xxxxxxxxxx	xxxxxxxxxxx	-127.802.79	xxxxxxxxxxx			
Fuel Balance @ Avg Price	XXXXXXXXXXX		•				
			,				
Total @ 03/01/2020 Avg Price	1,412.0	59,305	128,647.35	1,621.46	91.1085		
Weighted Avg Cost/BBL by Location			90.5104	1.1483			
Weighted Avg Cost/BBL @ Avg Cost			91.1085	1.1483			

KEAHOLE ULSD

			COST	LAND	COST PER BARREL		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 01/31/2020	2,225.0	93,449	205,687.87	7,031.30			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	(379.0)	(15,918)	(36,183.45)	(1,077.65)			
Actual	189.0	7,938	18,043.99	0.00			
Transfers out: Estimate	,	KXXXXXXXXXXX	xxxxxxxxxxxxxxxxxxxxxx	(XXXXXXXXXXX			
Actual)	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	(XXXXXXXXXXX			
Transfers in: Estimate		76	0.00	5.15			
Actual		20	0.00	537.40			
Canada Fatina ata	220.2	0.502	24 007 64	750.70			
Consumed: Estimate	228.2	9,583	21,007.64	758.78	02.0745		
Actual	(205.5)	(8,632)	(18,922.88)	(619.47)	92.0715		
Balance Per G/L 01/31/2020	2,059.9	86,516	189,633.17	6,635.51	92.0592		
	2,033.3	00,510	105,055.17	0,033.31	32.0332		
Purchases	0.0	0	0.00	0.00	0.0000		
i di	0.0	ŭ	0.00	0.00	0.0000		
Estimated Purchases	0.0	0	0.00	0.00			
Transfer in	3.9	164	0.00	11.10	0.00		
Consumed	(93.1)	(3,909)	(8,641.73)	(294.12)	92.8505	3.1602	96.0106
Balance @ 02/29/2020	1,970.7	82,771	180,991.44	6,352.49	91.8394		
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	1,970.7	82,771	180,991.44	6,352.49	91.8394		
Reverse Fuel Balance	XXXXXXXXXXXX		(180,991.44) >				
Fuel Balance @ Avg Price	xxxxxxxxxxx	xxxxxxxxxx	183,659.09	xxxxxxxxxx			
Total @ 03/01/3030 Ava Drice	1 070 7	02 774	102 (50 00	6 353 40	02 1020		
Total @ 03/01/2020 Avg Price	1,970.7	82,771	183,659.09	6,352.49	93.1930		
Maight ad Aug Cost / DDI hard a satisfy			04.0304	2 2224			
Weighted Avg Cost/BBL by Location			91.8394	3.2234			

3.2234

Weighted Avg Cost/BBL @ Avg Cost 93.1930

WAIMEA DIESEL

			COST	LAND	COST PER BARRE	L	
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		LT	TOTAL
Balance at 01/31/2020	997.1	41,880.0	91,690.9	2,918.39			
		,	,	,			
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			
/ tetadi		0.0	0.0	0.00			
Transfers out: Estimate	,	, , , , , , , , , , , , , , , , , , ,	xxxxxxxxxxxxxx	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Actual			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
Actual	•	^^^^	^^^^	*********			
Transfers in: Estimate	1.7	72	0.00	0.00			
Actual	1.8	76	0.00	0.00			
Actual	1.0	70	0.00	0.00			
Consumed: Estimate	177.8	7,467	16,368.99	520.85			
Actual							
Actual	(146.8)	(6,166)	(13,516.97)	(430.10)			
Balance Per G/L 01/31/2020	1,031.6	43,329	94,542.96	3,009.13	91.6431		
Balance Per G/L 01/31/2020	1,051.0	45,529	94,542.90	3,009.13	91.0451		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
OLSD Fulcilases	0.0	U	0.00	0.00	#DIV/0:		
Estimated Purchases		0	0.00	0.00			
Listillated Fulcilases	-	U	0.00	0.00			
Transfer in	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(158)	0.00	0.00	#DIV/0!		
Transfer iii	xxxxxxxxxx	(130)	0.00	0.00	#טוע/טי		
Consumed	(112.1)	(4.707)	(10 40E 90)	(228.00)	92.8505	2.9267	95.7772
Consumed	(112.1)	(4,707)	(10,405.89)	(328.00)	92.8303	2.9267	95.7772
Balance @ 02/29/2020	915.8	38,464	84,137.08	2,681.13	91.8718		
Inven From Offsite/Transfers	0.0	30,404	0.00	0.00	31.0/10		
II -		_					
Est'd Inventory Addition	0.0	0	0.00	0.00			
Fuel Beleves @ Aug Briss	015.0	20.464	04 127 00	2 (01 12	04 0740		
Fuel Balance @ Avg Price	915.8	38,464	84,137.08	2,681.13	91.8718		
			(04 (07 07)				
Reverse Fuel Balance	xxxxxxxxxxx			XXXXXXXXXX			
Fuel Balance @ Avg Price	XXXXXXXXXXXX	xxxxxxxxxxx	85,347.08	xxxxxxxxxx			
Total @ 03/01/2020 Avg Price	915.8	38,464	85,347.08	2,681.13	93.1930		
Weighted Avg Cost/BBL by Location			91.8718	2.9276			

Weighted Avg Cost/BBL @ Avg Cost 93.1930 2.9276

HAWAII ELECTRIC LIGHT CO., INC.

Estimated Weighted Average February 2020

KANOELEHUA DIESEL

				1 4 4 1 5	1	
LUCD	DDI	CALLONG	COST	LAND		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		
Balance at 01/31/2020	758.9	31,875.0	72,415.0	848.9	l I	
Less: Est'd Inventory Addition	0.0	0	0.00	0.00		
Purchases: Estimate	0.0	0	0.00	0.00		
Actual	0.0	0	0.00	0.00		
Transfers out: Estimate		x	х	х		
Actual		х	X	х		
Transfers in: Estimate		0	0.00	0.00		
Actual		0	0.00	184.56		
Consumed: Estimate	42.8	1,798	967.04	26.58		
Actual	(43.5)	(1,827)	(4,005.11)	(47.41)		
Balance Per G/L 01/31/2020	758.2	31,846	69,376.95	1,012.60		
ULSD Purchases	0	0	0.00	0.00	#DIV/0!	
Estimated Purchases	0	-	-	-		
Transfer in	0	0	0.00	0.00		
Consumed	(67.8)	(2,847)	(967.04)	(26.58)	92.85047278	1.1185
Balance @ 02/29/2020	690.5	28,999	68,409.91	986.02		
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	690.5	28,999	68,409.91	986.02		
Reverse Fuel Balance	V	V	(68,409.91)	V		
Fuel Balance @ Avg Price	X	X X	64,345.36	X V		
I del Balance @ Avg Frice	Х	^	04,343.30	^		
Total @ 03/01/2020 Avg Price	690.5	28,999	64,345.36	986.02		
Weighted Avg Cost/BBL by Location			99.0798	1.4281		
Weighted Avg Cost/BBL @ Avg Cost			93.1930	1.4281		

DISPERSED GENERATION

	IOI LINOLD O			
	BBL	GALLONS	COST	COST/BBL
Balance at 01/31/2020	111.9	4,698	10,234.32	
Less: Est'd Inven Addition	0.0	xxxxxxx	xxxxxxx	
Purchases: Estimate Actual	0.0 0.0	0	0.00 0.00	
Consumed: Estimate Actual	5.3	222 (200)	486.66	
		xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
		xxxxxxxxxx xxxxxxxxxx		
Balance Per G/L 01/31/2020	112.38	4,720	10,282.54	91.4972
Purchases	0.0	0	0.00	0.0000
Transfer out	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	
Transfer in	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx	
Consumed	(10.8)	(453)	(1,001.46)	92.8505
Balance @ 02/29/2020	101.6	4,267	9,281.08	91.3535
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 02/29/2020	101.6	4,267	9,281.08	
Reverse Fuel Balance Fuel Balance @ Avg Price		xxxxxxxxxxx	(9,281.08) xxx 9,467.97 xxx	
Total @ 03/01/2020 Avg Price	101.6	4,267	9,467.97	93.1930

HAWAII ELECTRIC LIGHT COMPANY, INC.CONTRACT PRICES EFFECTIVE February 1, 2020

TYPE OF OIL BURNED

THE OF OIL BOTTINED	Hill Indu	Hill Industrial		<u>ustrial</u>
INDUSTRIAL *	¢/MBTU	\$/BBL	¢/MBTU	\$/BBL
Tax ¹	63.05	3.9722	63.05	3.9722
Ocean Transportation	47.53	2.9945	47.53	2.9945
Storage	33.98	2.1410	33.98	2.1410
Wharfage	6.35	0.4000	6.35	0.4000
Fees ²	1.43	0.0900	1.43	0.0900
	Hilo Die	esel	Waimea I	Diesel
DIESEL *	¢/MBTU	\$/BBL	¢/MBTU	\$/BBL
Tax ¹	92.88	5.4423	92.88	5.4423
Ocean Transportation	51.10	2.9945	51.10	2.9945
Storage	28.34	1.6606	28.34	1.6606
Wharfage 	6.83	0.4000	6.83	0.4000
Fees ²	1.54	0.0900	1.54	0.0900
	Kona Di	esel	CT3 Die	esel
	¢/MBTU	\$/BBL	¢/MBTU	\$/BBL
Tax ¹	92.88	5.4423	92.88	5.4423
Ocean Transportation	51.10	2.9945	51.10	2.9945
Storage	28.34	1.6606	28.34	1.6606
Wharfage	6.83	0.4000	6.83	0.4000
Fees ²	1.54	0.0900	1.54	0.0900
	ULSI)		
ULSD **	¢/MBTU	\$/BBL		
Tax ¹	100.27	5.7458		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		
Fees ²	1.57	0.0900		

¹ Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST Tax and Environmental Response Tax.

inventory, contract prices for the current month are being provided. Contract prices are considered accurate pending actual delivery of fuel.

Reference: Decision and Order No. 16134, Docket No. 96-0040.

² With the change in supplier to PAR some fees have been taken off the pricing sheet.

^{*} Land Transportation Costs are shown in Attachment 3, Sheet 1.

^{**} ULSD includes Waimea, Kanoelehua, and Keahole.

Hawaii Electric Light Company, Inc. PURCHASED POWER PRICES FOR March 1, 2020

		March 1, 2020 (¢/kWh)	Floor Rates (¢/kWh)
PGV (25 MW)	- on peak	15.265	6.560
PGV (22 MW)	- off peak	14.289	5.430
WAILUKU HYDRO	- on peak	15.265	7.240
	off peak	14.289	5.970
Other: (<100 KW)	Sch Q Rate	14.490	
		March 1, 2020 (¢/kWh)	Floor Rates (¢/kWh)
HEP		14.364	
PGV Addtl 5 MW	- on peak	13.250	0.0000
	- off peak	13.250	0.0000
PGV Addtl 8 MW	- on peak	10.100	0.0000
	- off peak	6.740	0.0000

Hawaii Electric Light Company, Inc. Energy Cost Reconciliation Adjustment March 1, 2020

Line No.	<u>Description</u>	<u>Amount</u>
1	Amount to be (returned) or collected	(\$141,300)
2	Monthly Amount (1/3 x Line 1)	(\$47,100)
3	Revenue Tax Divisor	0.91115
4	Total (Line 2 / Line 3)	(\$51,693)
5	Estimated MWh Sales (March 1, 2020)	84,760 mwh
6	Adjustment (Line 4 / Line 5)	(0.061) ¢/kwh

HAWAII ELECTRIC LIGHT COMPANY, INC.

2020 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
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)	(565,304)	1,252,815
June					(581,967)	(585,631)	667,184
July					(581,967)	(586,240)	80,944
August	3,027,900	[2]	49,815	2,978,085	(1,009,300)	(1,025,775)	2,033,254
September					(1,009,300)	(1,026,151)	1,007,103
October					(1,009,300)	(1,007,209)	(106)
November	1,927,900	[3]	(37,599)	1,965,499	(642,633)	(651,308)	1,314,085
December 1	9				(642,633)	(646,001)	668,084
January 20					(642,633)	(673,144)	(5,060)
February	141,300	[4]	(9,952)	151,252	(47,100)	,	, , ,
March			,		(47,100)		

NOTES:

Col(1):	Quarterly FOA reconciliation amou	nts. (Refer to Attachment 6)
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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

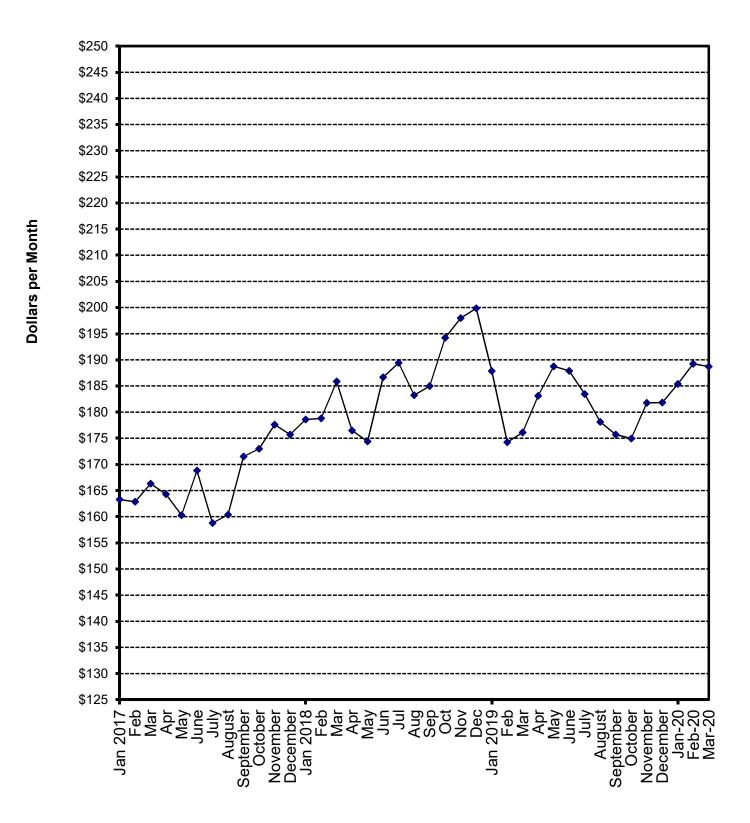
difference minus the adjustment variance. Col(1)-Col(2)

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

FUEL FACTOR CENTS / KWH

RESIDENTIAL & RESIDENTIAL BILL (\$) EFFECTIVE DATE COMMERCIAL @ 500 KWH @ 600 KWH

1 0047	0.040	400.07	105.50
January 1, 2017 February 1, 2017	-2.842 -2.956	163.27 162.87	195.58 195.09
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 October 1, 2017	-2.447 -2.131	171.52 172.97	205.50 207.23
November 1, 2017	-2.131 -0.885	177.60	207.23
December 1, 2017	-1.405	175.02	209.69
D000111001 1, 2011	1.100	170.02	200.00
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 -0.452	176.46 174.38	211.39 208.90
May 1, 2018 June 1, 2018	2.301	186.65	208.90
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 July 1, 2019	17.318 16.450	187.89 183.46	224.90 219.63
August 1, 2019	15.331	178.14	219.03
September 1, 2019	14.845	175.70	210.23
October 1, 2019	14.692	174.93	209.40
November 1, 2019	16.302	181.76	217.59
December 1, 2019	16.288	181.82	217.67
January 1, 2020	16.768	185.37	221.88
February 1, 2020	17.547	189.22	226.49
March 1, 2020	17.424	188.72	225.90

HAWAII ELECTRIC LIGHT COMPANY, INC. RESIDENTIAL SURCHARGE DATA

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
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% EFFECTIV	
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
6/1/2019-12/31/2019	RBA RATE ADJUSTMENT	0.9069 CENTS/KWH
7/01/2019-7/31/19	PURCHASED POWER ADJUSTMENT CLAUSE	1.9539 CENTS/KWH
7/1/2019-12/31/2019	GREEN INFRASTRUCTURE FEE	1.1700 DOLLARS/MONTH
7/1/2019-12/31/2019	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.4775 CENTS/KWH
8/1/2019-8/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0075 CENTS/KWH
9/1/2019-9/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0060 CENTS/KWH
10/1/2019-10/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.0069 CENTS/KWH
11/1/2019-11/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	1.7616 CENTS/KWH
12/1/2019-12/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	1.7884 CENTS/KWH
1/1/2020-1/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7730 CENTS/KWH
1/1/2020	GREEN INFRASTRUCTURE FEE	1.2500 DOLLARS/MONTH
1/1/2020	RBA RATE ADJUSTMENT	0.1852 CENTS/KWH
1/1/2020	INTERIM RATE ADJUSTMENT 2019	4.0900 PERCENT ON BASE
1/1/2020	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.7437 CENTS/KWH
2/1/2020- 2/29/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7631 CENTS/KWH
3/1/2020- 3/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7883 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

Base Rates
Base Fuel Energy Charge
Non-Fuel Energy Charge
First 300 kWh per month
Next 700 kWh per month
Customer Charge
Total Base Charges

Interim Rate Adjustment 2019 TY RBA Rate Adjustment Purchased Power Adj. Clause PBF Surcharge DSM Adjustment SolarSaver Adjustment Energy Cost Recovery Green Infrastructure Fee

Avg Residential Bill at 500 kwh

Rate					
	2/01/20	3/01/20			
effective date:	2/1/2019	2/1/2019			
¢/kwh	-	-			
¢/kwh					
¢/kwh	13.0289	13.0289			
¢/kwh	16.3807	16.3807			
\$	11.50	11.50			
% on base	4.0900%	4.0900%			
¢/kwh	0.1852	0.1852			
¢/kwh	1.7631	1.7883			
¢/kwh	0.7437	0.7437			
¢/kwh	0.0000	0.0000			
¢/kwh	0.0000	0.0000			
¢/kwh	17.5470	17.4240			
\$	1.2500	1.2500			

Charg	Charge (\$) at 500 Kwh					
2/01/20	3/01/20	Difference				
\$0.00	\$0.00	\$0.00				
\$71.85	\$71.85	\$0.00				
\$39.09	\$39.09	\$0.00				
\$32.76	\$32.76	\$0.00				
\$11.50	\$11.50	\$0.00				
\$83.35	\$83.35	\$0.00				
\$3.41	\$3.41	\$0.00				
\$0.93	\$0.93	\$0.00				
\$8.82	\$8.94	\$0.12				
\$3.72	\$3.72	\$0.00				
\$0.00	\$0.00	\$0.00				
\$0.00	\$0.00	\$0.00				
\$87.74	\$87.12	-\$0.62				
\$1.25	\$1.25	\$0.00				
\$189.22	\$188.72					

Increase (Decrease -) % Change

-\$0.50 -0.26%

Base	Rates
Rass	Fuel/F

Base Fuel/Energy Charge Non-Fuel Energy Charge First 300 kWh per month Next 700 kWh per month Customer Charge Total Base Charges

Interim Rate Adjustment 2019 TY RBA Rate Adjustment Purchased Power Adj. Clause PBF Surcharge DSM Adjustment SolarSaver Adjustment Energy Cost Recovery Green Infrastructure Fee

Avg Residential Bill at 600 kwh

Rate			
	2/01/20	3/01/20	
effective date:	2/1/2019	2/1/2019	
¢/kwh	-	-	
¢/kwh			
¢/kwh	13.0289	13.0289	
¢/kwh	16.3807	16.3807	
\$	11.50	11.50	
% on base	4.0900%	4.0900%	
¢/kwh	0.1852	0.1852	
¢/kwh	1.7631	1.7883	
¢/kwh	0.7437	0.7437	
¢/kwh	0.0000	0.0000	
¢/kwh	0.0000	0.0000	
¢/kwh	17.5470	17.4240	
\$	1.2500	1.2500	

Charge (\$) at 600 Kwh			
2/01/20	3/01/20	Difference	
\$0.00	\$0.00	\$0.00	
\$88.23	\$88.23	\$0.00	
\$39.09	\$39.09	\$0.00	
\$49.14	\$49.14	\$0.00	
\$11.50	\$11.50	\$0.00	
\$99.73	\$99.73	\$0.00	
\$4.08	\$4.08	\$0.00	
\$1.11	\$1.11	\$0.00	
\$10.58	\$10.73	\$0.15	
\$4.46	\$4.46	\$0.00	
\$0.00	\$0.00	\$0.00	
\$0.00	\$0.00	\$0.00	
\$105.28	\$104.54	-\$0.74	
\$1.25	\$1.25	\$0.00	
\$226.49	\$225.90		

Increase (Decrease -) % Change

-\$0.59 -0.26%