

September 28, 2020

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

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Recovery factor for October 2020 is 14.274 cents per kilowatt-hour ("kWh"), a decrease of 0.300 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$169.56, decrease of \$1.45 compared to rates effective September 1, 2020. The decrease in the residential bill is due to the decrease in the Energy Cost Recovery Factor (-\$1.48), partially offset by the increase in the Purchased Power Adjustment Clause rate (+\$0.03).

Hawai'i Electric Light's fuel composite cost of generation increased 4.79 cents per million BTU to 998.65 cents per million BTU. The composite cost of distributed generation decreased 14.63 cents per kWh to 0 cents per kWh. The composite cost of purchased energy decreased 0.57 cents per kWh to 12.933 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 October 1, 2020.

Sincerely,

<u>/s/ Sharon M. Suzuki</u> Sharon M. Suzuki President Maui County and Hawai'i Island Utilities

Attachments

cc: Division of Consumer Advocacy

#### HAWAII ELECTRIC LIGHT COMPANY, INC.

#### ENERGY COST RECOVERY FACTOR

#### EFFECTIVE DATES

	<u>9/01/20</u>	<u>10/01/20</u>	<u>Change</u>
Composite Cost			
Generation, ¢/mmbtu Dispersed Generation Energy, ¢/kWh Purchased Energy, ¢/kWh	993.86 14.630 13.506	998.65 0.000 12.933	4.79 (14.63) (0.57)
Residential Schedule "R"			
Energy Cost Recovery - ¢/kWh	14.569	14.274	(0.30)
<u>Others - "G,J,P,F"</u>			
Energy Cost Recovery - ¢/kWh	14.569	14.274	(0.30)
Residential Customer with:			
500 KWH Consumption - \$/Bill 600 KWH Consumption - \$/Bill	\$171.01 \$204.67	\$169.56 \$202.93	(\$1.45) (\$1.74)

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

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

Line

October 1, 2020

- 1 Effective Date 2 Supercedes Factors of September 1, 2020
- **GENERATION COMPONENT**

CHTRAL STATION WITH WINDHYDRO COMPONENT FUEL FRUE         FUEL FRUE           3         Hill Indiastinal         920.75           4         Hill Indiastinal         920.75           5         Keable Diesel         1.115.71           6         Keable Diesel         1.425.65           7         Waimea ULSD Diesel         1.066.56           8         Hill Obsel         1.066.56           9         Puna Diesel         1.077.13           10         Wind         0.00           BTU MIX, %         0         0           11         Hyfro         0.000           12         Hill Indiastinal         3.2601           14         Fund Indiastinal         3.2611           14         Fund Indiastinal         3.2631           15         Keahole Diesel         0.000           14         Fund Indiastinal         3.2631           15         Keahole Diesel         0.000           16         Waimea ULSD Diesel         0.000           17         Hill Okanothal         3.269           18         Puna Diesel         9.219           19         Wind         0.000           18         Puna Diesel <t< th=""><th>OFNIT</th><th></th><th></th><th>1</th><th></th></t<>	OFNIT			1	
3	-				
4         Hill Industrial         802 75 Bunch Modernia           5         Pura Industrial         632 35 Bunch Diesel         1,15,71 Bunch Strate           6         Kashole ULSD         1,437 63 Hill Obeiel         1,088 55 Bunch Beel           7         Warmea ULSD Diesel <sup>1</sup> 1,375 34 Bunch Beel         Discover Strate S		L PRICES, ¢/mmblu			
5         Pura Industrial         622.95           6         Keahole ULSD         1,157.17           7         Warnes ULSD Diesel         1,167.13           8         Hilo Übesel         1,068.56           9         Pura Diesel         1,077.13           9         Pura Diesel         1,077.13           10         Wind         0.00           8         Hili Manethaniy ULSD Diesel'         1,757.34           9         Pura Diesel         1,077.13           10         Wind         0.00           8         Kanado Diesel         0.00           8         Kanado Diesel         0.000           9         Filt Industrial         3.2601           4         Pura Industrial         3.253           7         Keanole Diesel         0.000           10         Koano ULSD Diesel'         0.000           14         Pura Industrial         3.253           9         Pura Diesel         0.000           10         WiElGHTED DASE DG ENERGY COST.         0.0000           11         Pura Diesel         0.0000           10         WiElGHTED CAST OF GENERATION, COST oF GENERATION, KWh         0.00000		Industrial	902 75		
6         Keahole Ulasel         1,115.71           6         Keahole Ulasel         1,403.63           7         Walmea ULSD Diesel         1,068.65           8         Hilo (Kanoelchuu) ULSD Diesel         1,375.34           9         Puna Diesei         1,075.34           10         Wind         0.00           11         Hytro         0.00           BTU MK, %         35         COMPOSITE COST OF DG           12					
6a         Keahole ULSD         1,437.63           7         Wainee ULSD Diesel         1,068.55           8         Hio Chorelehuay ULSD Diesel'         1,077.13           0         Wind         0.000           11         Hydro         0.000           BTU MIX, %         0.000           BTU MIX, %         0.000           12         36           13         Hill Industrial         3.25.01           14         Pura Industrial         3.55           15         Keahole Diesel         50.699           16         Wainsa ULSD Diesel         0.000           17         Hill (kanoelehua) ULSD Diesel         0.000           18         Pura Diesel         3.259           40         WEIGHTED COMPOSITE COST OF         0.0000           18         Pura Diesel         9.219           19         Wind         0.000           19         Wind         0.000           20         Hydro         0.044           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WINDHYDRO grammbu         0.00000           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WINDHYDRO grammbu         0.00000           22         Br					
7       Walmee ULSD Diesel       1,083.53         8       Hilo (Kanoelknu) ULSD Diesel       1,375.34         9       Puna Diesel       1,075.34         10       Wind       0.00         11       Hydro       0.00         BTU MiX, %       0.00         12       35         13       Hill Industrial       32.611         14       Puna Industrial       3.553         15       Keahole ULSD Desel       0.000         16       Kinoelknu ULSD Desel       0.000         17       Hild Industrial       3.553         18       Hindoustrial       3.553         19       Wind       0.000         17       Hild Roselhue ULSD Desel       0.000         18       Puna Diesel       0.201         19       Wind       0.000       41       Cost Less Base (Line 37 - 40)       0.00000         18       Puna Diesel       0.210       42       Loss Eactor       1.072         21       COMPOSITE COST OF GENERATION       0.004       42       Loss Eactor       1.072         22       ComPOSITE COST OF GENERATION       0.00000       42       Loss Eactor       1.072         2			,		
8         Hild Diesel         1,068,56           9         Puna Diesel         1,077,13           0         Wind         0,000           BTU MX, %         0.000           BTU MX, %         0.000           BTU MX, %         0.000           12         36 % input to System KWh Mix         0.000           14         Van Industrial         3,553           15         Keahole Diesel         50,699           16         Waimea ULSD Diesel         0.000           17         Hilo (kanoelehua) ULSD Diesel         0.000           18         Puna Diesel         0.300           19         Wind         0.000           19         Wind         0.000           19         Wind         0.000           19         Wind         0.000           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WINDRVDRO (mmbu 0.0000         41         Cost as Base (Line 37 - 40)         0.00000           24         Diesel         0.0199         0.0400         0.00001           24         Diesel         0.0199         0.0400         0.00000           24         Diesel         0.01999         0.0640         0.00000					
Ba Hilo (Kanoelshua) ULSD Diesel <sup>1</sup> 1,375,34           9 Funz Diesel         1,077,13           10 Wind         0.00           11 Hydro         0.00           BTU MX, %         1           12         11 Industrial         3.53           15 Keahole Diesel         50.699           15 Keahole Diesel         0.000           16 Waina ul SD Diesel         0.000           17 Hilo Diesel         0.000           18 Puna Diesel         0.000           19 Puna Diesel         0.000           10 Puna Diesel         0.000           17 Hilo Oksel         0.000           18 Puna Diesel         0.000           19 Puna Diesel         0.004           19 Puna Diesel         0.004           10 COHOPSITE COST OF GENERATION, COST of Whith         0.00000           21 Multriati         0.					
9         Puna Diasel         1,077.13         C3         C4         C4 <thc4< th=""> <thc4< th="">         C4</thc4<></thc4<>					
10         Wind         0.00           11         Hydro         0.00           BTU MX, %         0.00           12         Hill industrial         3.553           13         Hill industrial         3.553           14         Puna Industrial         3.553           15         Keahole Diasel         50.699           15a         Keahole Diasel         0.000           16         Waima ULSD Diseal         0.000           17 <hilo (ronelehva)="" diseal<="" td="" ulsd="">         0.000           18         Puna Dissel         0.000           19         Wind         0.000           20         Hydro         0.0100           21         COMPOSITE COST OF GENERATION.         0.0000           22         Industrial         0.438.0         81.544         0.00000           23         Industrial         0.0438.0         81.544         0.00000           24         Disel         0.011980         0.00000           26         We</hilo>		· · · · · ·	,		
11         Hydro         0.00           BTU MIX, %         0.00           2         BTU MIX, %         0.00           12         Hill industrial         32.611           14         Prina Industrial         35.53           15         Kashola Diesel         50.699           15         Kashola ULSD         0.475           16         Waimes ULSD Diesel         0.000           17         Hill Rodekthal         0.000           18         Manoel Diesel         0.000           19         Wind         0.000           10         Hydro         0.000           11         Hydro         0.000           11         Hydro         0.000           11         Hydro         0.000           12         Main Robert         0.000           13         Base % input to System KWh Mix         0.00           14         Contract Start         0.0000           15         Kashonela LisD Diesel         0.0000           16         Pura Diesel         92.19           17         Hill (Kanoelhua) ULSD Diesel'         0.00000           21         Colmona Ton Hydron         0.00000	9 Pur	na Diesel	1,077.13	DG ENERGY COMPONENT	
BTU MIX, %         38         % Input to System KWh Mix         0.000           12         Hill Industrial         32.601         % Kehnole Diresel         0.0000           14         Pura Industrial         3.553         % Kehnole Diresel         0.0000           15         Keahole Diresel         0.000         38         BASE D6 ENERGY COMPOSITE COST         0.000           16         Wardinea ULSD Diresel         0.000         39         Base % Hipput to System KWh Mix         0.000           17         Hilo (Kancelehua) ULSD Diresel         0.000         40         WEIGHTED COMPOSITE COST         0.000           18         Pura Diresel         9.219         0.0000         41         Cost Less Base (Line 37 - 40)         0.00000           10         Pura Diresel         9.219         0.0000         41         Cost Less Base (Line 37 - 40)         0.00000           20         Hydro         0.001         42         Loss Factor         1.072           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO gr/mmbtu         988.65         Centro f. 1.072         1.072           22         Diresel         0.01980         0.6040         0.00000         24         Diresel         0.000000           24         Dir	10 Wir	nd	0.00	35 COMPOSITE COST OF DG	
BTU MIX, %         36         % Input to System KWh Mix         0.000           12         4         Puna Industrial         326         % Input to System KWh Mix         0.000           14         Puna Industrial         3553         % Kehole Diesel         50.699         % KWh (Line 35 x 36)         0.0000           15         Keahole Diesel         0.000         37         WEIGHTED COMPOSITE COST         0.000           16         Ward Diesel         0.000         48         Puna Iblesel         0.000           17         Hilo Ckancelehuaj ULSD Diesel <sup>1</sup> 0.000         #KWh (Line 33 x 39)         0.00000           16         Puna Diesel         9.219         41         Cost Less Base (Line 37 - 40)         0.00000           16         Puna Diesel         9.219         41         Cost Less Base (Line 37 - 40)         0.00000           20         Hydro         0.004         0.0050         43         Revenue Tax Re(Mitplier         1.075           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO gr/mmblu         998.65         Centrol State         1.072           22         Diesel         0.01930         0.000001         Imae 37.52         0.000745           25         Drier         0.04040 <td>11 Hyd</td> <td>Iro</td> <td>0.00</td> <td>ENERGY, ¢/kWh</td> <td>0.000</td>	11 Hyd	Iro	0.00	ENERGY, ¢/kWh	0.000
BTU MX, %         37         WEIGHTED COMPOSITE DG ENERGY COST, (#KWh (Lines 35 x 36)         0.00000           14         Puna Industrial         3553         38         BASE DG ENERGY COMPOSITE COST         0.000           15         Keahole Diesel         0.000         39         Base % Input to System kWh Mix         0.00           17         Hill (Ranoelehua) ULSD Diesel         0.000         39         Base % Input to System kWh Mix         0.00           18         Puna Diesel         9.219         40         WEIGHTED BASE DG ENERGY COST, (#kWh (Line 38 x 39)         0.000000           19         Wind         0.000         41         Cost Less Base (Line 37 - 40)         0.00000           20         Hydro         0.004         0.000         42         Loss Factor         1.072           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WINDI-HYDRO g/mmblu         988.65         (Line 41 x 42 x 43)         0.00000           22         Input to System kWh Mix         51.915         EFFICIENCY FACTOR, mmblu/kWh         (Line 41 x 42 x 43)         0.00000           24         Diesel         0.01989         36.154         0.005202         0.000745           25         Other onthul/kWh         (Line 31 x 42 x 43)         0.000000         0.00119550	,			36 % Input to System kWh Mix	0.000
12       3       Hill Industrial       32.601         13       Hill Industrial       3.553         14       Puna Industrial       3.553         15       Keahole Diesel       50.699         15a       Keahole Diesel       0.000         16       Waineau ULSD Diesel       0.000         17a       Hilo Diesel       3.359         17a       Hilo Diesel       9.219         19       Wind       0.000         18       Puna Diesel       9.219         19       Wind       0.000         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢immbtu       100.000         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢immbtu       98.654         22       Industrial       0.014389         23       Industrial       0.014389         24       Diseel       0.010500         24       Diseel       0.010500         25       Industrial       0.014389         26       Diseel       0.010500         27       Weighted Efficiency Factor, mmbtu/kWh       (Line 41 x 42 x 43)         (Line 21 x 22 x 26)       0.00070         26       Diseel       0.0119590 </td <td>BTU</td> <td>MIX. %</td> <td></td> <td>······································</td> <td></td>	BTU	MIX. %		······································	
13       Hull Industrial       32.601       g/kWh (Lines 35 x 36)       0.0000         14       Puna Industrial       3.553       35       36       BASE DG ENERGY COMPOSITE COST       0.000         15a       Keahole ULSD Diesel       0.000       39       Base % Input to System kWh Mix       0.00         17       Hill Kanoelehua) ULSD Diesel       0.000       39       Base % Input to System kWh Mix       0.00         18       Puna Diesel       9.219       g/kWh (Line 38 x 39)       0.00000         18       Puna Diesel       9.219       g/kWh (Line 38 x 39)       0.00000         20       Hydro       0.094       42       Loss Factor       1.072         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDR0 g/mmbtu       998.65       (Line 41 x 42 x 43)       0.00000         22       % Input to System kWh Mix       51.915       EFFICIENCY FACTOR, mmbtu/kWh       Eff Factor       Central Stn +       Weighted       Feator       Comord       0.00000         24       Diesel       0.0199       0.0940       0.000011       (Line 41 x 42 x 43)       0.00000         24       Diesel       0.019980       0.000011       (Line 41 x 42 x 43)       0.00000         24       Diesel <td< td=""><td></td><td></td><td></td><td>37 WEIGHTED COMPOSITE DG ENERGY COST</td><td></td></td<>				37 WEIGHTED COMPOSITE DG ENERGY COST	
14       Puna Industrial       3.553         15       Keahole Diesel       50.699         16       Keahole Diesel       0.000         17       Hilo Diesel       0.000         18       Puna Diesel       0.000         19       Wind       0.000         19       Wind       0.000         20       Hydro       0.000         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu       998.65         22       Verone Tax Reg Multiplier       1.075         24       Diesel       0.00000         25       Othor 4.014339       36.154         26       O.014339       36.154         27       WEIGHTED COMPOSITE CONT OCST, ¢/KWh       Eff Eactor (Line 41 x 42 x 43)       0.00000         26       Weighted Efficiency Factor, mmbtu/kWh       (Line 41 x 42 x 43)       0.00000         27       WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/RWh       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/RWh       0.000000         27       WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/RWh       0.000000         28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/RWh       0.000000      <		Industrial	32 601		0 00000
15       Keahole Diseal       50.699         15a       Keahole ULSD       0.475         16       Waimea ULSD Diesel       0.000         17       Hilo Diesel       3.359         18       Kanoelehual ULSD Diesel       0.000         19       Wind       0.000         18       Puna Diesel       9.219         19       Wind       0.000         20       Hydro       0.004         20       Hydro       0.004         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmblu       98.65         22       % Input to System KWh Mix       61.915         EFFICIENCY FACTOR, mmblu/kWh       KindHydro         (A)       (B)       (C)         (B)       (C)       (D)         Percent of       EFFICIENCY FACTOR, mmblu/kWh       Eff.Factor         (Line 41 x 42 x 43)       0.00000         26       Midustrial       0.014389         27       Industrial       0.014389         28       Jourd       0.000001         (Line 32 x 32) celly cacc)-caci)       100.000         28       Midustrial       0.019890         27       WEIGHTED COMPOSITE CENTRAL STATION +				¢/kwn (Enes 66 x 66)	0.00000
15a       Keahole (LLSD       0.475         16       Wainea (LLSD Diesel       0.000         17       Hilo Diesel       3.359         17a       Hilo Diesel       3.359         17a       Hilo Diesel       3.359         17a       Hilo Diesel       0.000         18       Puna Diesel       9.219         19       Wind       0.000         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO g/mmbtu       99.8.65         22       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO g/mmbtu       99.8.65         22       % Input to System kWh Mix       51915         EFFICIENCY FACTOR, mmbtu/kWh (A)         EHF Factor       Contil Stn +         Weighted       Eff Factor       0.00001         23       Industrial       0.014389       36.154         24       Diesel       0.014389       36.154       0.005202         24       Diesel       0.014389       36.154       0.005202         24       Diesel       0.014389       36.154       0.005202         25       Other       0.014389       36.154       0.005202         24       Diesel       0.014389       6.19961				38 BASE DO ENERCY COMPOSITE COST	0.000
16       Waimea ULSD Diesel       0.000       39       Base % Input to System KWh Mix       0.00         17       Hilo (Kanoelehua) ULSD Diesel <sup>1</sup> 0.000       40       WEIGHTED BASE DG ENERGY COST,       0.00000         18       Puna Diesel       9.219       9       0.00000       41       Cost Less Base (Line 37 - 40)       0.000000         20       Hydro       0.094       42       Loss Factor       1.072         19       Wind       00000       43       Revenue Tax Req Multiplier       1.0975         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu       988.65       Revenue Tax Req Multiplier       1.0975         22       % Input to System KWh Mix       51.915       EFFICIENCY FACTOR, mmbtu/kWh       Eff Factor       Centri Stn +       Weighted       Effector       0.00000         23       Industrial       0.014389       36.154       0.005202       0.006745       0.00001       0.00000         24       Diesel       0.011989       0.044       0.00000       0.00001       Unes 23.420 (cell) + 25(D)       0.0119580       0.0119580         27       WEIGHTED DASE CENTRAL STATION +       WIN/MYNDRO GENERATION COST, ¢/kWh       0.00000       SUMMARY OF       TOTAL GENERATION FACTOR, ¢/kWh       0.				30 BASE DO ENERGI COMPOSITE COST	0.000
17       Hilo Diesel       3.359         17a Hilo (Kanoelehua) ULSD Diesel <sup>1</sup> 0.000         18       Puna Diesel       9.219         19       Wind       0.000         20       Hydro       0.000         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu       998.65         22       % Input to System kWh Mix       51.915         EFFICIENCY FACTOR, mmbtu/kWh (A)       (B)       (C)       (D)         EFFICIENCY FACTOR, mmbtu/kWh       Eff Factor       Centrl Stn +       Weighted         100.0000       26       Weighted Efficiency Factor, mmbtu/kWh       Eff Factor       Centrl Stn +         101       Utness 23(D) + 24(D) + 25(D)]       0.0119580       0.00000         26       Weighted Efficiency Factor, mmbtu/kWh (Lines (21 x 22 x 28))       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO       6.19961         29       Base % Input to Sys kWh Mix       0.00000         29       Base % Input to Sys kWh Mix       0.00000         29       Base % Input to Sys kWh Mix       0.00000         20       Belex 21 x 22 x 28))       0.00000         21       MUD/HYDRO GENERATION COST, ¢/kWh (Lines (22 x 29 x 30))       0.000000         22				30 Base % Input to System kWh Mix	0.00
17a Hilo (Kanoelehua) ULSD Diesel <sup>1</sup> 0.000       ¢/kWh (Line 38 x 39)       0.00000         18       Puna Diesel       9.219       0.0000         19       Wind       0.000       42 Loss Factor       1.072         10       0.0000       42 Loss Factor       1.072         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu       998.65       44 DG FACTOR, ¢/kWh       1.0975         22       % Input to System kWh Mix       51.915       EFFICIENCY FACTOR, mmbtu/kWh       (Line 41 x 42 x 43)       0.00000         23       Industrial       0.014339       36.154       0.005202       0.014389       0.000001         24       Diesel       0.014389       36.154       0.005202       0.001439       0.001439         25       Other       0.011999       0.03040       0.000011       0.000001       0.000001         10bers 23, 93, 25, Cell9, Col(2) - CalD)       100.0000       0.0119580       0.0119580       0.0119580         27       WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO       6.19961       SUMMARY OF       0.000000         28       BASE CENTRAL STATION + WIND/HYDRO       0.000000       SUMMARY OF       TOTAL GENERATION COST, ¢/kWh         31       WEIGHTED DASE CENTRAL STATION + WIND/H					0.00
18         Puña Diesel         9.219           19         Wind         0.000           20         Hydro         0.094           10.000         41         Cost Less Base (Line 37 - 40)         0.0000           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu         998.65         41         Cost Less Base (Line 37 - 40)         0.00000           22         Very Wind (Line 41 x 42 x 43)         0.00000         43         Revenue Tax Reg Multiplier         1.975           24         COMPOSITE COST OF GENERATION + WIND/HYDRO ¢/mmbtu         998.65         (Line 41 x 42 x 43)         0.00000           22         % Input to System KWh Mix         51.915         51.915         51.915           EFFICIENCY FACTOR, mmbtu/kWh         (Line 41 x 42 x 43)         0.00000         0.00000           23         Industrial         0.014398         36.154         0.005202         24         Diesel         0.014398         36.154         0.00001           24         Diesel         0.01999         0.0940         0.000001         (Lines 21 x 22 x 26)         0.0119580           27         WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO         6.19961         0.0119580         0.00000           28         BASE CENTRAL STATION + WIND/		4		, , , , , , , , , , , , , , , , , , ,	
19       Wind       0.000       41       Cost Less Base (Line 37 - 40)       0.00000         20       Hydro       0.094       42       Loss Factor       1.072         21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmblu       998.65       44       DG FACTOR, ¢/kWh       0.00000         22       % Input to System kWh Mix       51.915       1.072       44       DG FACTOR, ¢/kWh       0.00000         22       % Input to System kWh Mix       51.915       1.072       44       DG FACTOR, ¢/kWh       0.00000         23       Industrial       0.014389       36.154       0.005202       24       Diesel       0.01149580       63.752       0.006745         25       Other       0.01190 0000       36.154       0.005202       24       Diesel       0.0119950       0.0940       0.00001         26       Weighted Efficiency Factor, mmbtu/kWh       100.0000       0.0119580       0.0119580       27       WEIGHTED COMPOSITE CENTRAL STATION +       WIND/HYDRO       6.19961         27       WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO       0.000000       0.000000       0.000000       0.000000       0.000000       0.000000       0.000000       0.000000       0.000000       0.000000       0.000000				¢/kWh (Line 38 x 39)	0.00000
20         Hydro         0.094         42         Loss Factor         1.072           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu         098.65         43         Revenue Tax Req Multiplier         1.0975           22         % Input to System kWh Mix         51.915         51.915         (Line 41 x 42 x 43)         0.00000           22         % Input to System kWh Mix         51.915         EFFICIENCY FACTOR, mmbtu/kWh         (Line 41 x 42 x 43)         0.00000           23         Industrial         0.014389         36.154         0.0050745         0.006745           24         Dissel         0.01080         63.752         0.006745         0.00111           (Lines 23(D) + 24(D) + 25(D)]         0.0119580         0.00119580         0.00001           26         Weighted Efficiency Factor, mmbtu/kWh         (Lines (21 x 22 x 26))         6.19961           28         BASE CENTRAL STATION + WIND/HYDRO         6.19961         0.00000           21         WEIGHTED DASE CENTRAL STATION + WIND/HYDRO         6.19961           28         BASE CENTRAL STATION COST, ¢/mmbtu         0.00           30         Efficiency Factor, mmbtu/kWh         0.00000           31         WEIGHTED DASE CENTRAL STATION + WIND/HYDRO         SUMMARY OF					l
100.000         43         Revenue Tax Req Multiplier         1.0975           21         COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu         998.65         44         DG FACTOR, ¢/kWh           22         % Input to System kWh Mix         51.915         44         DG FACTOR, ¢/kWh         0.00000           22         % Input to System kWh Mix         51.915         6         0.00000         0.00000           23         Industrial         0.014389         36.154         0.005202         0.00745           23         Industrial         0.010580         6.3752         0.006745         0.01199         0.0940         0.000011           (Lines 23, 0.2) < colig) > colig) = colig)         100.0000         0.0119580         0.0119580         0.0119580           27         WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh         6.19961         0.00000           28         BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh         0.00000         0.00000           31         WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh         0.00000         SUMMARY OF           32         COST LESS BASE (Line 27 - 31)         6.19961         1.0975           32         COST LESS BASE (Line 27 - 31)         6.19961         45         <	19 Wir	nd	0.000		0.00000
21       COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu       44       DG FACTOR, ¢/kWh         22       % Input to System kWh Mix       51.915         22       % Input to System kWh Mix       51.915         EFFICIENCY FACTOR, mmbtu/kWh         (A)       (B)       (C)         Percent of       (D)         Eff Factor       Centr Stn +         Velighted       Eff Factor         24       Diesel       0.010580         25       Other       0.011999         0.00000       26       Weighted Efficiency Factor, mmbtu/kWh         (Lines 23(D) + 24(D) + 25(D)]       0.0119580         27       WEIGHTED COMPOSITE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       0.00000         28       BASE CENTRAL STATION + WIND/HYDRO         GENERATION COST, ¢/kWh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       0.000000         32       COST LESS BASE (Line 27 - 31)	20 Hyd	Iro	0.094	42 Loss Factor	1.072
CENTRAL STATION + WIND/HYDRO ¢/mmbtu         998.65         (Line 41 x 42 x 43)         0.00000           22         % Input to System kWh Mix         51.915         0.00000           EFFICIENCY FACTOR, mmbtu/kWh         (A)         (B)         (C)         (D)           Percent of         Eff Factor         Centrl Stn +         Weighted           Fuel Type         mmbtu/kWh         Wind/Hydro         Eff Factor         0.00202           24         Diesel         0.014389         36.154         0.005202           24         Diesel         0.0119580         63.752         0.006745           25         Other         0.011999         0.0940         0.000001           26         Weighted Efficiency Factor, mmbtu/kWh         [Lines 23(D) + 25(D)]         0.0119580           27         WEIGHTED COMPOSITE CENTRAL STATION +         WIND/HYDRO         GENERATION COST, ¢/kWh           (Lines (21 x 22 x 26))         6.19961         0.00000         30         Efficiency Factor, mmbtu/kwh         0.00           30         EGNERATION COST, ¢/kWh         0.00000         0.000000         SUMMARY OF           31         WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO         SUMMARY OF           32         COST LESS BASE (Line 27 - 31)			100.000	43 Revenue Tax Req Multiplier	1.0975
22 % Input to System kWh Mix       51.915         EFFICIENCY FACTOR, mmbtu/kWh       (C)       (D)         (A)       (B)       (C)       (D)         Percent of       Eff Factor       Centrl Stn +       Weighted         ELIEL Type       mmbtu/kWh       Wind/Hydro       Eff Factor       Centrl Stn +         23 Industrial       0.014389       36.154       0.005202         24 Diesel       0.010580       63.752       0.006745         25 Other       0.011999       0.0940       0.000011         (Lines 23, 4,25) coll(5) = 0.400)       10.0000       26         26 Weighted Efficiency Factor, mmbtu/kWh       [Lines 201) + 24(D) + 25(D)]       0.0119580         27 WEIGHTED COMPOSITE CENTRAL STATION +       WIND/HYDRO GENERATION COST, ¢/kWh       6.19961         28 BASE CENTRAL STATION + WIND/HYDRO       0.00       0.00         30 Efficiency Factor, mmbtu/kwh       0.000000       0.00000         31 WEIGHTED BASE CENTRAL STATION +       WIND/HYDRO GENERATION COST ¢/kWh       0.000000         31 WEIGHTED BASE CENTRAL STATION +       0.000000       0.000000         31 WEIGHTED BASE CENTRAL STATION + WIND/HYDRO       0.000000         32 COST LESS BASE (Line 27 - 31)       6.19961         33 Revenue Tax Req Multiplier	21 CON	IPOSITE COST OF GENERATION,			
EFFICIENCY FACTOR, mmbtu/kWh         (A)       (B)       (C)       (D)         Percent of         Eff Factor       Centrl Stn +       Weighted         Ellel Type       mmbtu/kwh       Wind/Hydro       Eff Eactor         23       Industrial       0.014389       36.154       0.005202         24       Diesei       0.010580       63.752       0.000745         25       Other       0.01999       0.0940       0.00001         (Lines 23,0.15/colle) x Col(2) = col(0)       100.0000         26       Weighted Efficiency Factor, mmbtu/kWh         [Lines 23(D) + 24(D) + 25(D)]       0.0119580       27       WEIGHTED COMPOSITE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       0.00       0.00       28       BASE CENTRAL STATION + WIND/HYDRO       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO       0.00       0.00       0.00       00         30       Efficiency Factor, mmbtu/kwh       0.000000       0.000000       0.000000         31       WEIGHTED BASE CENTRAL STATION +       WIND/HYDRO GENERATION COST ¢/kWh       Cost Less BASE (Line 27 - 31)       6.19961         32       COST LESS BASE (L	CE	NTRAL STATION + WIND/HYDRO ¢/mmbtu	998.65	(Line 41 x 42 x 43)	0.00000
(A)         (B)         (C)         (D) Percent of Percent of           Eff Factor         CentI Stn +         Weighted           Eff Factor         CentI Stn +         Weighted           23         Industrial         0.014389         36.154         0.005202           24         Diesel         0.011999         0.0940         0.00001           (Lines 23.24, 25) Coll(B) × Coll(B) × Coll(C) = Coll(D)         100.0000         100.0000           26         Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]         0.0119580           27         WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))         6.19961           28         BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (28 x 29 x 30))         0.00000           30         Efficiency Factor, mmbtu/kwh         0.000000           31         WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))         0.00000           32         COST LESS BASE (Line 27 - 31)         6.19961           33         Revenue Tax Req Multiplier         1.0975           34         CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,         45           33         Revenue Tax Req Multiplier         1.0975           34         CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,	22 % In	out to System kWh Mix	51.915		
(A)         (B)         (C)         (D) Percent of Percent of           Eff Factor         CentI Stn +         Weighted           Eff Factor         CentI Stn +         Weighted           23         Industrial         0.014389         36.154         0.005202           24         Diesel         0.011999         0.0940         0.00001           (Lines 23.24, 25) Coll(B) × Coll(B) × Coll(C) = Coll(D)         100.0000         100.0000           26         Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]         0.0119580           27         WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))         6.19961           28         BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (28 x 29 x 30))         0.00000           30         Efficiency Factor, mmbtu/kwh         0.000000           31         WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))         0.00000           32         COST LESS BASE (Line 27 - 31)         6.19961           33         Revenue Tax Req Multiplier         1.0975           34         CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,         45           33         Revenue Tax Req Multiplier         1.0975           34         CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,					
Percent of Eff Factor         Percent of Centrl Stn +           Eucl Type         mmbtu/kwh         Wind/Hydro Bif Factor           23         Industrial         0.014389         36.154         0.005202           24         Diesel         0.010580         63.752         0.006745           25         Other         0.011999         0.0940         0.00001           (Lines 23.24,25): Col(B) x Col(C) = Col(D)         100.0000         0.000011           26         Weighted Efficiency Factor, mmbtu/kWh [Lines 23.04,25): Col(B) x Col(C) = Col(D)         100.0000           26         Weighted Efficiency Factor, mmbtu/kWh         6.19961           27         WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))         6.19961           28         BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu         0.00           30         Efficiency Factor, mmbtu/kwh         0.000000           31         WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))         0.000000           32         COST LESS BASE (Line 27 - 31)         6.19961           33         Revenue Tax Req Multiplier         1.0975           34         CeNTRAL STATION + WIND/HYDRO GENERATION FACTOR,         45           45         Chtt/ Sth+Wind/Hydro (lin	EFF	CIENCY FACTOR, mmbtu/kWh			
Percent of Eff Factor         Percent of Centrl Stn +           Eucl Type         mmbtu/kwh         Wind/Hydro Bif Factor           23         Industrial         0.014389         36.154         0.005202           24         Diesel         0.010580         63.752         0.006745           25         Other         0.011999         0.0940         0.00001           (Lines 23.24,25): Col(B) x Col(C) = Col(D)         100.0000         0.000011           26         Weighted Efficiency Factor, mmbtu/kWh [Lines 23.04,25): Col(B) x Col(C) = Col(D)         100.0000           26         Weighted Efficiency Factor, mmbtu/kWh         6.19961           27         WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))         6.19961           28         BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu         0.00           30         Efficiency Factor, mmbtu/kwh         0.000000           31         WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))         0.000000           32         COST LESS BASE (Line 27 - 31)         6.19961           33         Revenue Tax Req Multiplier         1.0975           34         CeNTRAL STATION + WIND/HYDRO GENERATION FACTOR,         45           45         Chtt/ Sth+Wind/Hydro (lin		(A) (B) (C)	(D)		
Euel Type         mmbtu/kwh         Wind/Hydro         Eff Factor           23         Industrial         0.014389         36.154         0.005202           24         Diesel         0.010580         63.752         0.006745           25         Other         0.011999         0.0940         0.00001           (Lines 23.24, 25): col(8): col(2) = col(2)         100.0000         26           26         Weighted Efficiency Factor, mmbtu/kWh         [Lines 23(D) + 25(D)]         0.0119580           27         WEIGHTED COMPOSITE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh         (Lines (21 x 22 x 26))         6.19961           28         BASE CENTRAL STATION + WIND/HYDRO         GENERATION COST, ¢/mmbtu         0.00         20           29         Base % Input to Sys kWh Mix         0.00         0.00000         31         WEIGHTED BASE CENTRAL STATION +           WIND/HYDRO GENERATION COST ¢/kWh         (Lines (28 x 29 x 30))         0.00000         5UMMARY OF           32         COST LESS BASE (Line 27 - 31)         6.19961         TOTAL GENERATION FACTOR, ¢/kWh           33         Revenue Tax Req Multipier         1.0975         45         Cntrl Sh-Wind/Hydro (ine 34)         6.80407           34         CENTRAL STATION +, WID/HYDRO         GENERATION FACTOR,					
Fuel Type         mmbtu/kwh         Wind/Hydro         Eff Factor           23         Industrial         0.014389         36.154         0.005202           24         Diesel         0.010580         63.752         0.006745           25         Other         0.011999         0.0940         0.00001           (Lines 23, 24, 25): col(8): x col(2) = col(2)         100.0000         100.0000           26         Weighted Efficiency Factor, mmbtu/kWh         100.001           [Lines 23, 24, 25]: col(8): x col(2) = col(2)         0.0119580           27         WEIGHTED COMPOSITE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh           (Lines (21 x 22 x 26))         6.19961         6.19961           28         BASE CENTRAL STATION + WIND/HYDRO         GENERATION COST, ¢/mmbtu         0.00           30         Efficiency Factor, mmbtu/kwh         0.00000         5000000           31         WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh         0.00000           32         COST LESS BASE (Line 27 - 31)         6.19961         TOTAL GENERATION FACTOR, ¢/kWh           33         Revenue Tax Req Multipier         1.0975         45         Cnth Sh-Wind/Hydro (ine 34)         6.80407           34         CENTRAL STATION +, WID/HYDRO		Eff Factor Centrl Stn +	Weighted		
23       Industrial       0.014389       36.154       0.005202         24       Diesel       0.010580       63.752       0.006745         25       Other       0.011999       0.0940       0.000011         (Lines 23.24, 25); Col(B) × Col(C) = Col(D)       100.0000       26       Weighted Efficiency Factor, mmbtu/kWh         [Lines 23(D) + 24(D) + 25(D)]       0.0119580       27       WEIGHTED COMPOSITE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       (Lines (21 × 22 × 26))       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO       GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.00000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       0.00000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO       6.80407         45       Cntrl Stn+Wind/Hydro (line 34)       6.80407         36       CENTRAL STATION FACTOR,	Fu		0		
24       Diesel       0.010580       63.752       0.006745         25       Other       0.011999       0.0940       0.00001         (Lines 23.4, 25): Col(B) × Col(C) = Col(D)       100.0000         26       Weighted Efficiency Factor, mmbtu/kWh       [Lines 23(D) + 24(D) + 25(D)]       0.0119580         27       WEIGHTED COMPOSITE CENTRAL STATION +       WIND/HYDRO GENERATION COST, ¢/kWh       (Lines (21 × 22 × 26))       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO       GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION +       WIND/HYDRO GENERATION COST ¢/kWh         (Lines (28 × 29 × 30))       0.00000       SUMMARY OF         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multipier       1.0975         34       CENTRAL STATION + WIND/HYDRO       45         GENERATION FACTOR,       47       TOTAL GENERATION FACTOR,					
25       Other       0.011999       0.0940       0.000011         (Lines 23, 42, 25): Col(B) x Col(C) = Col(D)       100.0000       100.0000         26       Weighted Efficiency Factor, mmbtu/kWh       [Lines 23(D) + 24(D) + 25(D)]       0.0119580         27       WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh       0.000000         31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh       0.000000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       5UMMARY OF TOTAL GENERATION FACTOR,         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       6.80407					
(Llee 23, 24, 25): Col(B) × Col(C) = Col(D)100.000026Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)]0.011958027WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 × 22 × 26))6.1996128BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu0.0029Base % Input to Sys kWh Mix0.0030Efficiency Factor, mmbtu/kwh0.00000031WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 × 29 × 30))0.0000032COST LESS BASE (Line 27 - 31)6.19961 1.097533Revenue Tax Req Multiplier1.097534CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,6.80407 4645Cntrl Stn+Wind/Hydro (line 34)6.80407 0.00000					
26       Weighted Efficiency Factor, mmbtu/kWh         [Lines 23(D) + 24(D) + 25(D)]       0.0119580         27       WEIGHTED COMPOSITE CENTRAL STATION +         WIND/HYDRO GENERATION COST, ¢/kWh       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO         GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh       TOTAL GENERATION FACTOR, ¢/kWh         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO       6.80407         46       DG (line 44)       0.00000         47       TOTAL GENERATION FACTOR,       47			0.000011		
[Lines 23(D) + 24(D) + 25(D)]0.011958027WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))6.1996128BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu0.0029Base % Input to Sys kWh Mix0.0030Efficiency Factor, mmbtu/kwh0.00000031WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))0.0000032COST LESS BASE (Line 27 - 31)6.1996133Revenue Tax Req Multiplier1.097534CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,45 Cntrl Stn+Wind/Hydro (line 34)6.8040745DG (line 44)0.0000047TOTAL GENERATION FACTOR,0.00000					
27       WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       45         45       Cntrl Stn+Wind/Hydro (line 34)       6.80407         46       DG (line 44)       0.00000			0 0110580		
WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       45         45       Chtrl Stn+Wind/Hydro (line 34)       6.80407         46       DG (line 44)       0.00000	[Liii	es 25(D) + 24(D) + 25(D)]	0.0113500		
WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26))       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       45         45       Chtrl Stn+Wind/Hydro (line 34)       6.80407         46       DG (line 44)       0.00000	27 WE				
(Lines (21 x 22 x 26))       6.19961         28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       6.80407         46       DG (line 44)       0.00000					
28       BASE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       45         45       Cntrl Stn+Wind/Hydro (line 34)       6.80407         46       DG (line 44)       0.00000			6 10061		
GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh       0.000000         (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO       6.80407         46       DG (line 44)       0.00000         47       TOTAL GENERATION FACTOR,	(LII	es (21 x 22 x 20))	0.19901		
GENERATION COST, ¢/mmbtu       0.00         29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh       0.000000         (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO       6.80407         46       DG (line 44)       0.00000         47       TOTAL GENERATION FACTOR,					
29       Base % Input to Sys kWh Mix       0.00         30       Efficiency Factor, mmbtu/kwh       0.000000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh       0.00000         (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO       6.80407         46       DG (line 44)       0.00000         47       TOTAL GENERATION FACTOR,			0.00		
30       Efficiency Factor, mmbtu/kwh       0.00000         31       WEIGHTED BASE CENTRAL STATION +         WIND/HYDRO GENERATION COST ¢/kWh       (Lines (28 x 29 x 30))         0.00000       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO         GENERATION FACTOR,       45         COST LESS DASE (Line 27 - 31)       6.19961         TOTAL GENERATION FACTOR, ¢/kWh       6.80407         40       DG (line 44)       0.00000         47       TOTAL GENERATION FACTOR,					
31       WEIGHTED BASE CENTRAL STATION + WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       45         45       Chtrl Stn+Wind/Hydro (line 34)       6.80407         46       DG (line 44)       0.00000		· ·			
WIND/HYDRO GENERATION COST ¢/kWh (Lines (28 x 29 x 30))0.0000032COST LESS BASE (Line 27 - 31)6.1996133Revenue Tax Req Multiplier1.097534CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,456Chirl Stn+Wind/Hydro (line 34)6.8040746DG (line 44)0.0000047TOTAL GENERATION FACTOR,			0.000000		
(Lines (28 x 29 x 30))       0.00000         32       COST LESS BASE (Line 27 - 31)       6.19961         33       Revenue Tax Req Multiplier       1.0975         34       CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,       45         COTAL GENERATION FACTOR,       6.80407         46       DG (line 44)       0.00000         47       TOTAL GENERATION FACTOR,					
32COST LESS BASE (Line 27 - 31)6.19961SUMMARY OF33Revenue Tax Req Multiplier1.097545Cntrl Stn+Wind/Hydro (line 34)6.8040734CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,46DG (line 44)0.0000047TOTAL GENERATION FACTOR,47TOTAL GENERATION FACTOR,		1			
32COST LESS BASE (Line 27 - 31)6.19961TOTAL GENERATION FACTOR, ¢/kWh33Revenue Tax Req Multiplier1.097545Cntrl Stn+Wind/Hydro (line 34)6.8040734CENTRAL STATION + WIND/HYDRO GENERATION FACTOR,46DG (line 44)0.0000047TOTAL GENERATION FACTOR,47TOTAL GENERATION FACTOR,	(L	nes (28 x 29 x 30))	0.00000		
33Revenue Tax Req Multiplier1.097545Cntrl Stn+Wind/Hydro (line 34)6.8040734CENTRAL STATION + WIND/HYDRO46DG (line 44)0.00000GENERATION FACTOR,47TOTAL GENERATION FACTOR,					
34 CENTRAL STATION + WIND/HYDRO46 DG (line 44)0.00000GENERATION FACTOR,47 TOTAL GENERATION FACTOR,		( )			
GENERATION FACTOR, 47 TOTAL GENERATION FACTOR,			1.0975	45 Cntrl Stn+Wind/Hydro (line 34)	6.80407
, , , , , , , , , , , , , , , , , , , ,					0.00000
¢/kWh (Line (32 x 33)) 6.80407 ¢/kWh (lines 45 + 46) 6.80407				· · · · · · · · · · · · · · · · · · ·	
	¢/k	Nh (Line (32 x 33))	6.80407	¢/kWh (lines 45 + 46)	6.80407

<sup>1</sup> Hilo ULSD same location as Kanoelehua ULSD

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

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

ine	PURCHASED EN	IERGY COMPONEN	T	1		
	PURCHASED ENERGY PRIC					
48	HEP	σ <b>Ε</b> , φ/κννη τ ossi	13.141			
	PURCHASED ENERGY PRIC	CE, ¢/kWh Renewable	•			
49	PGV	On Peak	11.490			
50	PGV	Off Peak	11.121			
	PGV - Add'l 5 MW	On Peak	13.250			
	PGV - Add'l 5 MW	Off Peak	13.250			
	PGV - Add'l 8 MW	On Peak	10.100			
	PGV - Add'l 8 MW	Off Peak	6.740			
	Wailuku Hydro	On Peak	11.490			
	Wailuku Hydro Hawi Renewable Dev.	Off Peak	11.121 11.490			
	Hawi Renewable Dev.	On Peak Off Peak	11.490			
	Tawhiri (Pakini Nui)	On Peak	13.250			
	Tawhiri (Pakini Nui)	Off Peak	12.840			
	HEP Biodiesel	on roux	13.141			
	Small Hydro (>100 KW)	On Peak	11.490			
63	Small Hydro (>100 KW)	Off Peak	11.121			
64	Sch Q Hydro (<100 KW)		10.990			
65	FIT		23.800			
66	PURCHASED ENERGY KWH HEP, Fossil	H MIX, %,	57.501			
00			57.501			
67	PURCHASED ENERGY KWH PGV	On Peak	0.000			
	PGV	Off Peak	0.000			
	PGV - Addt'l	On Peak	0.000			
	PGV - Addt'l	Off Peak	0.000			
71	PGV - Add'l 8 MW	On Peak	0.000			
72	PGV - Add'l 8 MW	Off Peak	0.000			
	Wailuku Hydro	On Peak	5.486			
	Wailuku Hydro	Off Peak	4.144			
	Hawi Renewable Dev.	On Peak	3.957			
	Hawi Renewable Dev. Tawhiri (Pakini Nui)	Off Peak On Peak	2.160 11.615	Dorivation	of Non Adjustable Component:	
	Tawhiri (Pakini Nui)	Off Peak	7.983	Derivation	of Non-Adjustable Component:	
	HEP Biodiesel	On r cak	6.345	93A	Ocean Cargo Insurance Exp, \$000	\$1
	Small Hydro (>100 KW)	On Peak	0.000	50/1	HELCO-603, page 1, line 4	Ψ
	Small Hydro (>100 KW)	Off Peak	0.000	93B	Revenue Tax Adjustment	1.097
82	Sch Q Hydro (<100 KW)		0.000	93C	Non-Adj Revenues, \$000	\$
83	FIT		0.809	93D	2019 TY Sales, MWh	1,061,
			100.000	93E	HELCO-301 Non-Adj Revenues, ¢/kWh	0.001
83a	Comp. Cost Purchased Energ	ıv Fossil, ¢/kWh	13.1410	352	Hon-huj Nevenuea, ¢/Kvvn	0.001
83b	Comp. Cost Purchased Energ COMPOSITE COST OF PUR	y Renewable, ¢/kWh	12.6507			
	ENERGY, ¢/kWh		12.933			
	% Input to System kWh Mix		48.085			
86	WEIGHTED COMPOSITE PL COST, ¢/kWh (Lines (84 x 8		6.21883			
<u>9</u> 7	BASE PURCHASED ENERG	<i></i>				
07	COMPOSITE COST, ¢/kWh		0.000	Line	SYSTEM COMP	OSITE
88	Base % Input to Sys kWh Mix		0.00			
	WEIGHTED BASE PURCHAS				94 GENERATION AND PURCHASED EI	NERGY
	COST, ¢/kWh (Lines (87 x 8		0.00000		FACTOR, ¢/kWh (Lines (47 + 93))	14.12
					95 Not Used	0.
	COST LESS BASE (Lines (86	6 - 89))	6.21883		96 Non-Adjustable Component	0.00
	Loss Factor		1.072	1	97 ECA Reconciliation Adjustment	0.1
91					5	
91 92	Revenue Tax * PURCHASED ENERGY FAC		1.0975 7.31658		98 ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97))	14.2

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

INDUSTRIAL FUEL COSTS: Average Industrial Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	<u>HILO</u> 50.5731 	<u>PUNA</u> 50.5731 1.3358		
Industrial Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	50.5731 6.30	51.9088 6.30		
Industrial Costs For Filing - ¢/mmbtu	802.75	823.95		
<b>DIESEL FUEL COSTS:</b> Average Diesel Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 61.6432 3.7373	PUNA CT-3 61.6432 1.4768	HILO 61.6432 0.9743	-
Diesel Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	65.3805 5.86	63.1200 5.86	62.6176 5.86	-
Diesel Costs For Filing - ¢/mmbtu	1,115.71	1,077.13	1,068.56	
<b>ULSD FUEL COSTS:</b> Average ULSD Fuel Cost - \$/BBL Land Transportation Cost - \$/BBL	KEAHOLE 77.7602 4.6160	WAIMEA 77.7602 2.6620	HILO 77.7602 1.0470	DISPERSED GENERATION 77.7602 -
ULSD Costs For Filing - \$/BBL Conversion Factors - mmbtu/BBL	82.3761 5.73	80.4222 5.73	78.8071 5.73	77.7602 5.73
ULSD Costs For Filing - ¢/mmbtu	1,437.63	1,403.53	1,375.34	1,357.07

#### Dispersed Generation, cents per kWh

	COMPOSITE COST
	OF DISP. GEN.
BBIs Fuel:	0.0000
\$/BBI Inv Cost:	77.7602
Fuel \$ (Prod Sim Consumption x Unit Cost)	0.00
Net kWh (from Prod Sim)	0
cents/kWh:	0.000

#### HAWAII ELECTRIC LIGHT CO., INC.

Estimated Weighted Average September 2020

SHIPMAN INDUSTRIAL HILL INDUSTRIAL COST PER BARREL BBL COST COST BBL EXCL LT LT Total Balance at 08/31/2020 0 0.00 34,643 1,755,070.36 Less: Est'd Inventory Addn 0 0.00 Purchases: Estimate Actual xxxxxx xxxxxxxxxxxxxxxx Transfers out: Estimate xxxxxx xxxxxxxxxxxxxxx \*\*\*\*\* Actual Transfers in: Estimate 0 0.00 (36,300) (1,633,219.71)Actual 0 0.00 35,090 1,781,128.64 Consumed: Estimate 0 0.00 42,240 1,965,958.76 0 Actual 0.00 (40,125) (1,867,521.19) Balance Per G/L 08/31/2020 0 0.00 35,548 2,001,416.86 Purchases Transfer out \*\*\*\*\* Transfer in 0 0.00 23,442 1,060,515.76 Consumed 0.00 106.5901 0 (20,547) (1,005,736.26) 106.5901 0.0000 Balance @ 09/30/2020 0 0.00 38,443 2,056,196.36 Inv From Offsite/Transfers 0 0.00 0 0.00 Est'd Inventory Addition 0 0.00 0 0.00 0.00 38,443 2,056,196.36 Fuel Balance @ 09/30/2020 0 Reverse Fuel Balance 0.00 xxxxxxxx (2,056,196.36) XXXXXX Fuel Bal @ Avg Price 0.00 1,944,180.99 XXXXXX XXXXXXXX Total @ 10/01/2020 Avg Price 0 0.00 38,443 1,944,180.99 Weighted Avg Cost/BBL by Location #DIV/0! 53.4869 Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 50.5731

	PUNA INDUSTI	RIAL				
			LAND	COST PER BA	RREL	
	BBL	COST	TRANSP	EXCLUDE LT	LT	TOTAL
Balance at 08/31/2020	9,210	471,972.26	12,078.95			
Less: Est'd Inventory Addition	0	0.00	0.00			
Purchases: Estimate	xxxxxxxx x	****	****			
Actual	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	*****	*****			
Transfers out: Estimate	xxxxxxxx x	****	****			
Actual	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	*****	*****			
Transfers in: Estimate	(5,161)	(238,616.29)	(6,788.31)			
Actual	4,685	232,648.89	6,003.07			
Consumed: Estimate	5,110	237,832.61	6,803.54			
Actual	(5,785)	(269,248.85)	(7,321.95)			
Balance Per G/L 08/31/2020	8,059	434,588.62	10,775.30	-		
Purchases	*****	****	*****			
Transfer out	xxxxxxxx x	****	*****			
Transfer in	14,537	672,615	19,120.66			
Consumed	(11,828)	(578,957.93)	(15,512.47)	48.9481	1.3115	50.2596
Balance @ 09/30/2020	10,768	528,245.42	14,383.49			
Inventory From Offsite/Transfers	0	0.00	0.00			
Est'd Inventory Addition	0	0.00	0.00			
Fuel Bal @ Avg Price	10,768	528,245.42	14,383.49		1.3358	
Reverse Fuel Balance	xxxxxxxxxxx	(528,245.42)	*****			
Fuel Balance @ Avg Price	*****		****			
Total @ 10/01/2020 Avg Price	10,768	544,570.95	14,383.49	-		
Weighted Avg Cost/BBL by Location		49.0570	1.3358			
Weighted Avg Cost/BBL @ Avg Cost		50.5731	1.3358			

		<b>KEAHOLE DIESEL</b>					
			COST	LAND	COST PER B	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
Balance at 08/31/2020	44,229.8	1,857,653.0	2,735,705.0	158,082.5			
Less: Est'd Inventory Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate	(4,723.5)	, , ,					
Actual	3,387.7	142,283.0	220,311.6	0.0			
Transfers out: Estimate		****	****	xxxxxxxxxxxxxxxxxx			
Actual		*****	*****	*****			
Transfers in: Estimate	(43,922.2)	(1,844,734.0)	(2,661,030.7)	(137,248.2)			
Actual	46,374.9	1,947,744.0	3,198,674.0	173,204.02			
Consumed: Estimate	44,709.2	1,877,786.0	2,487,484.7	162,230.20			
Actual	(49,789.5)			,	63.3403		
Balance Per G/L 08/31/2020	40,266.4	1,691,189	2,520,285.15	175,549.34	62.5903		
Purchases	****	****	*****	*****			
Transfer out	****	****	****	*****			
Transfer in	53,060.0	2,228,518.0	3,274,549.0	165,801.7	61.7141		
Consumed	(56,239.5)	(2,362,059.0)	(3,519,781.3)	(201,006.37)	62.5856	3.5741	66.1597
Balance @ 09/30/2020	39,928.5	1,676,999	2,455,755.96	149,224.42	61.5038		
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	39,928.5	1,676,999	2,455,755.96	149,224.42	61.5038		
Reverse Fuel Balance	****	****	(2,455,756.0)	****			
Fuel Balance @ Avg Price		****		*****			
Total @ 10/01/2020 Avg Price	39,928.5	1,676,999	2,461,324.84	149,224.42	61.6432		
Weighted Avg Cost/BBL by Location			61.5038	3.7373			
Weighted Avg Cost/BBL @ Avg Cost			61.6432	3.7373			

	Р	UNA CT-3					
			COST	LAND	COST PER E	BARREL	
HS Diesel	BBL	GALLONS	EXCLUD LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 08/31/2020	3,141.5	131,943.0	222,675.8	4,568.6			
Less: Est'd Inven Addition	0.0	0.0	0.0	0.0			
Purchases: Estimate Actual		xxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxx					
Transfers out: Estimate Actual		xxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxx					
Transfers in: Estimate Actual	(6,683.5) 6,017.1	(280,707.0) 252,718.0	(419,503.0) 392,575.0	(8,140.5) 7,564.6			
Consumed: Estimate Actual	10,150.2 (7,222.3)	426,309.0 (303,335.0)	564,727.3 (423,509.3)	19,523.2 (13,891.5)			
Balance Per G/L 08/31/2020	5,403.0	226,928	336,965.83	9,624.38			
Purchases	xxxxxxxxx x	****	****	****			
Transfer out	*****	****	****	****			
Transfer in	7,128.8	299,409.0	439,769.3	8,682.9	61.6892		
Consumed	(8,856.1)	(371,957)	(554,265.27)	(12,879.09)	62.5856	1.4543	64.0398
Balance @ 09/30/2020 Inven From Offsite/Transfers Est'd Inventory Addition	3,675.7 0.0 0.0	154,380 0 0	222,469.89 0.00 0.00	5,428.15 0.00 0.00	60.5243		
Fuel Balance @ 09/30/2020	3,675.7	154,380	222,469.89	5,428.15	60.5243		
Reverse Fuel Balance Fuel Balance @ Avg Price		xxxxxxxxxxxxxxxxx xxxxxxxxxxxxxx		xxxxxxxxxxxx xxxxxxxxxxxx			
Total @ 10/01/2020 Avg Price	3,675.7	154,380	226,582.92	5,428.15	61.6432		
Weighted Avg Cost/BBL by Location			60.5243	1.4768			
Weighted Avg Cost/BBL @ Avg Cost			61.6432	1.4768			

	-	TOTAL HILO H	HS-DIESEL				
			COST	LAND	COST PER	BARREL	
HS Diesel	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCL LT	LT	TOTAL
Balance at 08/31/2020	1046.5	43,952	62,380	1,616			
Less: Est'd Inven Addition	0.0	0	0	0			
Purchases: Estimate	;	****	*****	****			
Actual	2	*****	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxxxxxxxxx			
Transfers out: Estimate	2	****	xxxxxxxxxxx >	xxxxxxxxxxx			
Actual	2	*****	xxxxxxxxxx >	*****			
Transfers in: Estimate	-567.0	-23813.0		-609.6			
Actual	567.0	23813.0	35651.7	606.4			
Consumed: Estimate	1149.0	48259.0	63928.2	883.7			
Actual	-828.6	-34803.0	-41071.5	-839.6			
Balance Per G/L 08/31/2020	1366.9	57,408	85,245.25	1,656.78	62.3659		
Purchases	*****	****	xxxxxxxxxxx >	****			
Transfer out	*****	****	xxxxxxxxxxx >	****			
Transfer in	1880.1	78966.0	117064.1	2021.5	61.2482		
Consumed	-2235.8	-93902.0	-139926.4	-2693.0	62.5856	1.2045	63.7901
Balance @ 09/30/2020	1,011.2	42,472	62,382.87	985.30	61.6896		
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	1,011.2	42,472	62,382.87	985.30	61.6896		
Reverse Fuel Balance	****	xxxxxxxxxx	-62,382.87 >	<pre></pre>			
Fuel Balance @ Avg Price	*****		-	****			
Total @ 10/01/2020 Avg Price	1,011.2	42,472	62,335.99	985.30	61.6432		
Weighted Avg Cost/BBL by Location			61.6896	0.9743			
Weighted Avg Cost/BBL @ Avg Cost			61.6432	0.9743			

		KEAHOLE ULS	COST	LAND	COST PER BARREL		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP	EXCLUD LT	LT	TOTAL
	001	GALLONG					TOTAL
Balance at 08/31/2020	1,929.1	81,024	158,251.01	9,383.35			
Less: Est'd Inventory Addition	0.0						
Purchases: Estimate	0.0	0	0.00	0.00			
Act ual	188.1	7,900	12,232.39	0.00			
Transfers out: Estimate		xxxxxxxxxxxx	xxxxxxxxxxxxxx	xxxxxxxxxxx			
A ctual		XXXXXXXXXXXXX	*****	XXXXXXXXXXXXX			
Transfers in: Estimate		(5)	0.00	(0.37)			
Act ual		42	0.00	587.76			
Consumed: Estimate	171.9	7,220	13,390.39	679.63			
Act ual	(242.6)	(10,189)	(18,896.77)	(904.24)	77.8942		
Balance Per G/L 08/31/2020	2,047.4	85,992	164,977.03	9,746.13	80.5777		
Purchases	0.0	0	0.00	0.00	0.0000		
Estimated Purchases	190.0	7,980	12,215.05	593.71			
Transfer in	0.9	36	0.00	2.68	0.00		
Consumed	(43.0)	(1,808)	(3,522.13)	(209.38)	81.8195	4.8640	86.6835
Balance @ 09/30/2020	2,195.2	92,200	173,669.94	10,133.14	79.1121		
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	2,195.2	92,200	173,669.94	10,133.14	79.1121		
Reverse Fuel Balance	****	****	(173,669.94)	****			
Fuel Balance @ Avg Price	*****			****			
Total @ 10/01/2020 Avg Price	2,195.2	92,200	170,702.11	10,133.14	77.7602		
Weighted Avg Cost/BBL by Location			79.1121	4.6160			
Weighted Avg Cost/BBL @ Avg Cost							

		WAIMEA DIESE	EL				
			COST	LAND	COST PER BARREI		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		LT	TOTAL
Balance at 08/31/2020	575.4	24,165.0	45,792.7	1,571.36			
Less: Est'd Inven Addition	0.0	0.0	0.00	0.00			
Purchases: Estimate		(7,915)	(12,255.63)				
Actual		15,819.0	24,494.2	0.00			
Transfers out: Estimate		****	****	****			
Actual		*****	*****	XXXXXXXXXXXXX			
Transfers in: Estimate	3.3	137	0.00	0.00			
Actual	0.2	10	0.00	980.78			
Consumed: Estimate	436.8	18,344	34,021.24	1,194.14			
Actual	(402.4)	(16,900)	(31,343.16)	(1,100.14)			
Balance Per G/L 08/31/2020	801.4	33,660	60,709.37	2,155.40	75.7514		
ULSD Purchases	0.0	0	0.00	0.00	#DIV/0!		
Estimated Purchases	190.0	7,980	12,215.05	494.76			
Transfer in	****	35	0.00	0.00	#DIV/0!		
Consumed	(126.8)	(5,327)	(10,377.43)	(346.39)	81.8195	2.7311	84.5506
Balance @ 09/30/2020	865.4	36,348	62,546.99	2,303.77	72.2728		
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	865.4	36,348	62,546.99	2,303.77	72.2728		
Reverse Fuel Balance	xxxxxxxxxxx	xxxxxxxxxxx	(62,546.99)	xxxxxxxxxxx			
Fuel Balance @ Avg Price	*****	*****	67,295.88	****			
Total @ 10/01/2020 Avg Price	865.4	36,348	67,295.88	2,303.77	77.7602		
Weighted Avg Cost/BBL by Location			72.2728	2.6620			
Weighted Avg Cost/BBL @ Avg Cost			77.7602	2.6620			

	ł	KANOELEHUA	DIESEL			
			COST	LAND		
ULSD	BBL	GALLONS	EXCLUDE LT	TRANSP		
Balance at 08/31/2020	1,013.2	42,554.0	83,742.7	1,043.0	1	
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	x		
Actual		х	Х	х		
Transfers in: Estimate		0	0.00	0.00		
Actual		0	0.00	0.00		
Consumed: Estimate	254.3	10,680	19,807.39	427.96		
Actual	(237.4)	(9,971)	(18,492.47)	(399.55)		
Balance Per G/L 08/31/2020	1,030.1	43,263	85,057.65	1,071.37		
ULSD Purchases	188	7,910	12,107.90	202.50	1.53	
Estimated Purchases	0	-	-	-		
Transfer in	0	6	0.00	0.15		
Consumed	(99.7)	(4,187)	(8,156.62)	(102.62)	81.8194555	1.0294
Balance @ 09/30/2020	1,118.9	46,992	89,008.93	1,171.40		
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	1,118.9	46,992	89,008.93	1,171.40		
Reverse Fuel Balance	х	х	(89,008.93)	x		
Fuel Balance @ Avg Price	х	х		x		
Total @ 10/01/2020 Avg Price	1,118.9	46,992	87,002.53	1,171.40		
Weighted Avg Cost/BBL by Location			79.5534	1.0470		
Weighted Avg Cost/BBL @ Avg Cost			77.7602	1.0470		

#### DISPERSED GENERATION

F

	BBL	GALLONS	COST	COST/BBL
Balance at 08/31/2020	131.8	5,534	10,809.77	
Less: Est'd Inven Addition	0.0	xxxxxxxx	xxxxxxxx	
Purchases: Estimate Actual	0.0 0.0	0 0	0.00 0.00	
Consumed: Estimate Actual		498 (744)		
		xxxxxxxxxxx xxxxxxxxxx		
		xxxxxxxxxxx xxxxxxxxxx		
Balance Per G/L 08/31/2020	125.90	5,288	10,608.19	84.2557
Purchases	58.9	2,473	3,785.48	64.2904
Transfer out	xxxxxxxxx	****	xxxxxxxxxx	
Transfer in	****	****	xxxxxxxxxx	
Consumed	(61.6)	(2,587)	(5,039.69)	81.8195
Balance @ 09/30/2020	123.2	5,174	9,353.98	75.9310
Est'd Inventory Addition	0.0	0	0.00	
Fuel Balance @ 09/30/2020	123.2	5,174	9,353.98	
Reverse Fuel Balance Fuel Balance @ Avg Price		xxxxxxxxxxxx xxxxxxxxxxxx	(9,353.98) x: 9,579.31 x:	
Total @ 10/01/2020 Avg Price	123.2	5,174	9,579.31	77.7602

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

TYPE OF OIL BURNED				
	Hill Indus	<u>strial</u>	<u>Puna Ind</u>	<u>ustrial</u>
INDUSTRIAL *	<u>¢/MBTU</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>	<u>\$/BBL</u>
Tax <sup>1</sup>	54.15	3.4114	54.15	3.4114
Ocean Transportation	47.51	2.9933	47.51	2.9933
Storage	34.07	2.1466	34.07	2.1466
Wharfage	6.35	0.4000	6.35	0.4000
Fees <sup>2</sup>	1.43	0.0900	1.43	0.0900
	Hilo Die	esel	Waimea	Diesel
DIESEL *	¢/MBTU	\$/BBL	¢/MBTU	\$/BBL
Tax <sup>1</sup>	68.84	4.0338	68.84	4.0338
Ocean Transportation	51.08	2.9933	51.08	2.9933
Storage	28.41	1.6649	28.41	1.6649
Wharfage	6.83	0.4000	6.83	0.4000
Fees <sup>2</sup>	1.54	0.0900	1.54	0.0900
	Kona Di	esel	CT3 Di	esel
	¢/MBTU	\$/BBL	¢/MBTU	\$/BBL
Tax <sup>1</sup>	68.84	4.0338	68.84	4.0338
Ocean Transportation	51.08	2.9933	51.08	2.9933
Storage	28.41	1.6649	28.41	1.6649
Wharfage	6.83	0.4000	6.83	0.4000
Fees <sup>2</sup>	1.54	0.0900	1.54	0.0900
	ULS	C		
ULSD **	¢/MBTU	\$/BBL		
Tax <sup>1</sup>	75.69	4.3372		
Ocean Transportation	0.00	0.0000		
Storage	0.00	0.0000		
Wharfage	0.00	0.0000		
Fees <sup>2</sup>	1.57	0.0900		

 <sup>1</sup> Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST Tax and Environmental Response Tax.
 Federal Oil Spill Recovery Fee reinstated as of January 2020.
 HGET rate changed to 4.7120% in 2020.

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

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

<sup>\*</sup> Land Transportation Costs are shown in Attachment 3, Sheet 1.

\*\* ULSD includes Waimea, Kanoelehua, and Keahole.

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

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

		October 1, 2020 (¢/kWh)	Floor Rates (¢/kWh)
PGV (25 MW) PGV (22 MW)	- on peak - off peak	11.490 11.121	6.560 5.430
WAILUKU HYDRO	- on peak off peak	11.490 11.121	7.240 5.970
Other: (<100 KW)	Sch Q Rate	10.990	
		October 1, 2020	Floor Rates

		(¢/kWh)	(¢/kWh)
HEP		13.141	
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 October 1, 2020

Line No.	Description	<u>Amount</u>	
1	Amount to be (returned) or collected	\$359,300	
2	Monthly Amount $(^{1}/_{3} \times \text{Line 1})$	\$119,767	
3	Revenue Tax Divisor	0.91115	
4	Total (Line 2 / Line 3)	\$131,446	
5	Estimated MWh Sales (October 1, 2020)	86,227	mwh
6	Adjustment (Line 4 / Line 5)	0.152	¢/kwh

## HAWAII ELECTRIC LIGHT COMPANY, INC. 2020 Cumulative Reconciliation Balance

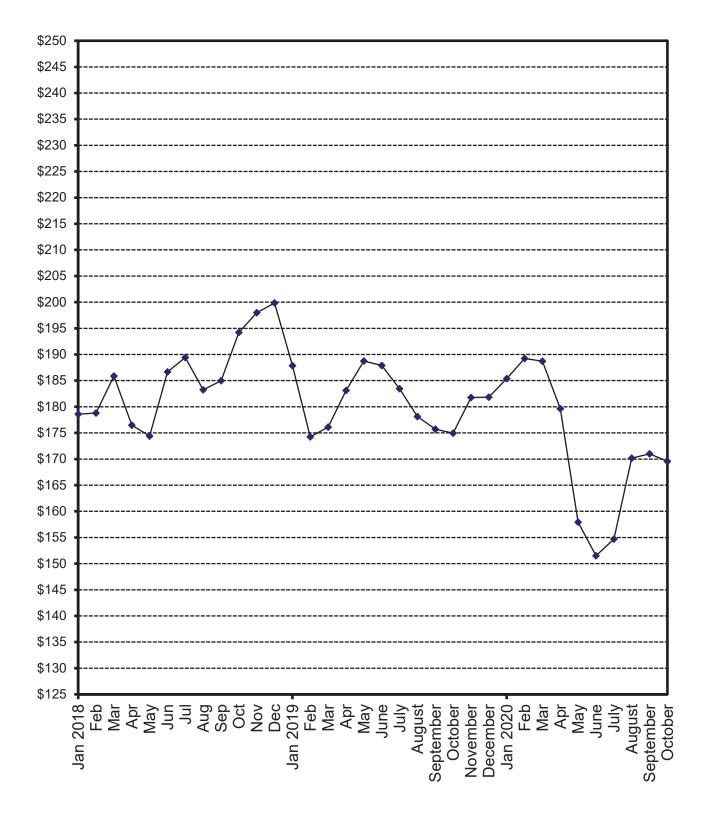
	(1)		(2) FOA Rec	(3) FOA Rec	(4)	(5)	(6) Month-end
	YTD FOA		Adjust	Less	Try to	Actual	Cumulative
<u>Month</u>	Reconciliation	<u>Qtr</u>	Variance	Variance	Collect	Collect	Balance
January 19					(305,667)	(300,243)	32,773
February	2,598,900	[4]	(8,054)	2,606,954	(866,300)	(800,636)	1,839,091
March					(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)	(45,511)	100,681
March					(47,100)	(46,650)	54,031
April					(47,100)	(40,115)	13,916
May	2,567,100	(1)	(28,472)	2,595,572	(855,700)	(882,167)	1,727,321
June					(855,700)	(879,772)	847,549
July					(855,700)	(862,349)	(14,800)
August	(359,300)	[2]	(43,554)	(315,746)	119,767	114,005	(216,541)
September					119,767		
October					119,767		

#### 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



#### ATTACHMENT 9A

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

	FUEL FACTOR CENTS / KWH
EFFECTIVE DATE	RESIDENTIAL & RESIDENTIAL BILL (\$) COMMERCIAL @ 500 KWH @ 600 KWH

January 1, 2017 February 1, 2017 March 1, 2017 April 1, 2017 May 1, 2017 June 1, 2017 July 1, 2017 August 1, 2017 September 1, 2017 October 1, 2017 November 1, 2017	-2.842 -2.956 -2.274 -2.425 -3.035 -1.343 -3.220 -3.643 -2.447 -2.131 -0.885 -1.405	$\begin{array}{c} 163.27\\ 162.87\\ 166.31\\ 164.31\\ 160.30\\ 168.82\\ 158.79\\ 160.39\\ 171.52\\ 172.97\\ 177.60\\ 175.02 \end{array}$	195.58 195.09 199.24 196.83 192.02 202.25 190.22 192.15 205.50 207.23 212.80 209.69
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 February 1, 2019 March 1, 2019 April 1, 2019 May 1, 2019 June 1, 2019 July 1, 2019 August 1, 2019 September 1, 2019 October 1, 2019 December 1, 2019	$\begin{array}{c} 6.867 \\ 14.631 \\ 14.976 \\ 16.469 \\ 17.396 \\ 17.318 \\ 16.450 \\ 15.331 \\ 14.845 \\ 14.692 \\ 16.302 \\ 16.288 \end{array}$	187.86 174.25 176.1 183.12 188.74 187.89 183.46 178.14 175.70 174.93 181.76 181.82	224.86 208.53 210.75 219.17 225.93 224.90 219.63 213.25 210.32 209.40 217.59 217.67
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
April 1, 2020	15.644	179.61	214.96
May 1, 2020	11.215	157.94	188.96
June 1, 2020	10.575	151.51	181.25
July 1, 2020	11.359	154.68	185.07
August 1, 2020	14.389	170.16	203.65
September 1, 2020	14.569	171.01	204.67
October 1, 2020	14.274	169.56	202.93

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

		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 10/1/2018	INTERIM RATE INCREASE 2016	0.0000 PERCENT ON BASE
	FINAL RATE INCREASE (TY 2016) 0.53% EFFECTIVE 10/	
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 1/1/2019- 06/30/19	PURCHASED POWER ADJUSTMENT CLAUSE GREEN INFRASTRUCTURE FEE	2.0548 CENTS/KWH 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
05/01/2019-03/31/2020	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
1/1/2020-6/30/2020	GREEN INFRASTRUCTURE FEE	1.2500 DOLLARS/MONTH
1/1/2020- 05/31/2020	RBA RATE ADJUSTMENT	0.1852 CENTS/KWH
1/1/2020	INTERIM RATE ADJUSTMENT 2019	4.0900 PERCENT ON BASE
1/1/2020-6/30/2020	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
4/1/2020- 4/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.7717 CENTS/KWH
4/1/2020- 4/30/2020	SOLARSAVER ADJUSTMENT	-0.0267 CENTS/KWH
05/01/2020-5/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8396 CENTS/KWH
5/1/2020	SOLARSAVER ADJUSTMENT	0.0000 CENTS/KWH
06/01/2020-6/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8413 CENTS/KWH
6/1/2020	RBA RATE ADJUSTMENT	-0.4623 CENTS/KWH
07/01/2020-7/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.8592 CENTS/KWH
7/1/2020	RESIDENTIAL PBF SURCHARGE ADJUSTMENT	0.5882 CENTS/KWH
7/1/2020		1.1900 DOLLARS/MONTH
8/1/2020-8/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9261 CENTS/KWH
9/1/2020-9/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9161 CENTS/KWH
10/1/2020-10/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	1.9222 CENTS/KWH

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

	Rate			Charge (\$) at 500 Kwh		
		9/01/20	10/01/20	9/01/20	10/01/20	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 Adjustment 2019 TY	% on base	4.0900%	4.0900%	\$3.41	\$3.41	\$0.00
RBA Rate Adjustment	¢/kwh	(0.4623)	(0.4623)	-\$2.31	-\$2.31	\$0.00
Purchased Power Adj. Clause	¢/kwh	1.9161	1.9222	\$9.58	\$9.61	\$0.03
PBF Surcharge	¢/kwh	0.5882	0.5882	\$2.94	\$2.94	\$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	14.5690	14.2740	\$72.85	\$71.37	-\$1.48
Green Infrastructure Fee	\$	1.1900	1.1900	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 500 kwh				\$171.01	\$169.56	

#### Calculations of the Average Residential Customer Bill

Increase (Decrease -) % Change

-\$1.45 -0.85%

	Rate			Charge (\$) at 600 Kwh		
		9/01/20	10/01/20	9/01/20	10/01/20	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 Adjustment 2019 TY	% on base	4.0900%	4.0900%	\$4.08	\$4.08	\$0.00
RBA Rate Adjustment	¢/kwh	(0.4623)	(0.4623)	-\$2.77	-\$2.77	\$0.00
Purchased Power Adj. Clause	¢/kwh	1.9161	1.9222	\$11.50	\$11.53	\$0.03
PBF Surcharge	¢/kwh	0.5882	0.5882	\$3.53	\$3.53	\$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	14.5690	14.2740	\$87.41	\$85.64	-\$1.77
Green Infrastructure Fee	\$	1.1900	1.1900	\$1.19	\$1.19	\$0.00
Avg Residential Bill at 600 kwh				\$204.67	\$202.93	

Increase (Decrease -) % Change

From:	puc@hawaii.gov
Sent:	Monday, September 28, 2020 3:15 PM
То:	Watanabe, Blaine
Subject:	Hawaii PUC eFiling Confirmation of Filing

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