



November 25, 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 December 2020

Hawai'i Electric Light Company, Inc.'s ("Hawai'i Electric Light") Energy Cost Recovery factor for December 2020 is 13.032 cents per kilowatt-hour ("kWh"), a decrease of 0.394 cents per kWh from last month. A residential customer consuming 500 kWh of electricity will be paying \$161.87, a decrease of \$1.87 compared to rates effective November 1, 2020. The decrease in the residential bill is due to the decrease in the Energy Cost Recovery Factor (-\$1.97), partially offset by the increase in the Purchased Power Adjustment Clause rate (+\$0.10).

Hawai'i Electric Light's fuel composite cost of generation increased 8.63 cents per million BTU to 957.75 cents per million BTU. The composite cost of distributed generation increased 12.993 cents per kWh to 12.993 cents per kWh. The composite cost of purchased energy decreased 1.019 cents per kWh to 11.699 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 December 1, 2020.

Sincerely,

/s/ Sharon M. Suzuki

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

| | <u>EFFECTIVE DATES</u> | | |
|------------------------------------|------------------------|-----------------|---------------|
| | <u>11/01/20</u> | <u>12/01/20</u> | <u>Change</u> |
| <u>Composite Cost</u> | | | |
| Generation, ¢/mmbtu | 949.12 | 957.75 | 8.63 |
| Dispersed Generation Energy, ¢/kWh | 0.000 | 12.993 | 12.993 |
| Purchased Energy, ¢/kWh | 12.718 | 11.699 | (1.019) |
| <u>Residential Schedule "R"</u> | | | |
| Energy Cost Recovery - ¢/kWh | 13.426 | 13.032 | (0.394) |
| <u>Others - "G,J,P,F"</u> | | | |
| Energy Cost Recovery - ¢/kWh | 13.426 | 13.032 | (0.394) |
| Residential Customer with: | | | |
| 500 KWH Consumption - \$/Bill | \$163.74 | \$161.87 | (\$1.87) |
| 600 KWH Consumption - \$/Bill | \$195.96 | \$193.70 | (\$2.26) |

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

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

Line

1 Effective Date December 1, 2020
2 Supercedes Factors of November 1, 2020

GENERATION COMPONENT

| <u>CENTRAL STATION WITH WIND/HYDRO COMPONENT</u> | | | | | | |
|---|---|------------|--------------|-----------------------------------|---|---------|
| FUEL PRICES, ¢/mmbtu | | | | | | |
| 3 | | | | | | |
| 4 | Hill Industrial | | 870.00 | | | |
| 5 | Puna Industrial | | 892.27 | | | |
| 6 | Keahole Diesel | | 1,017.05 | | | |
| 6a | Keahole ULSD | | 1,308.34 | | | |
| 7 | Waimea ULSD Diesel | | 1,314.01 | | | |
| 8 | Hilo Diesel | | 979.58 | | | |
| 8a | Hilo (Kanoelehua) ULSD Diesel ¹ | | 1,283.25 | | | |
| 9 | Puna Diesel | | 982.37 | | | |
| 10 | Wind | | 0.00 | | | |
| 11 | Hydro | | 0.00 | | | |
| BTU MIX, % | | | | | | |
| 12 | | | | | | |
| 13 | Hill Industrial | | 36.266 | | | |
| 14 | Puna Industrial | | 6.726 | | | |
| 15 | Keahole Diesel | | 51.526 | | | |
| 15a | Keahole ULSD | | 0.828 | | | |
| 16 | Waimea ULSD Diesel | | 0.512 | | | |
| 17 | Hilo Diesel | | 0.190 | | | |
| 17a | Hilo (Kanoelehua) ULSD Diesel ¹ | | 0.450 | | | |
| 18 | Puna Diesel | | 3.357 | | | |
| 19 | Wind | | 0.000 | | | |
| 20 | Hydro | | 0.145 | | | |
| | | | 100.000 | | | |
| 21 | COMPOSITE COST OF GENERATION, CENTRAL STATION + WIND/HYDRO ¢/mmbtu | | 957.75 | | | |
| 22 | % Input to System kWh Mix | | 43.777 | | | |
| EFFICIENCY FACTOR, mmbtu/kWh | | | | | | |
| | (A) | (B) | (C) | (D) | | |
| | | Eff Factor | Percent of | Weighted | | |
| | Fuel Type | mmbtu/kwh | Centrl Stn + | Eff Factor | | |
| | | | Wind/Hydro | | | |
| 23 | Industrial | 0.014389 | 42.992 | 0.006186 | | |
| 24 | Diesel | 0.010580 | 56.863 | 0.006016 | | |
| 25 | Other | 0.011999 | 0.145 | 0.000017 | | |
| | | | 100.0000 | | | |
| 26 | Weighted Efficiency Factor, mmbtu/kWh [Lines 23(D) + 24(D) + 25(D)] | | | 0.0122190 | | |
| 27 | WEIGHTED COMPOSITE CENTRAL STATION + WIND/HYDRO GENERATION COST, ¢/kWh (Lines (21 x 22 x 26)) | | | 5.12311 | | |
| 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) | | | 5.12311 | | |
| 33 | Revenue Tax Req Multiplier | | | 1.0975 | | |
| 34 | CENTRAL STATION + WIND/HYDRO GENERATION FACTOR, ¢/kWh (Line (32 x 33)) | | | 5.62261 | | |
| | | | | <u>DG ENERGY COMPONENT</u> | | |
| | | | | 35 | COMPOSITE COST OF DG ENERGY, ¢/kWh | 12.993 |
| | | | | 36 | % Input to System kWh Mix | 0.004 |
| | | | | 37 | WEIGHTED COMPOSITE DG ENERGY COST, ¢/kWh (Lines 35 x 36) | 0.00052 |
| | | | | 38 | BASE DG ENERGY COMPOSITE COST | 0.000 |
| | | | | 39 | Base % Input to System kWh Mix | 0.00 |
| | | | | 40 | WEIGHTED BASE DG ENERGY COST, ¢/kWh (Line 38 x 39) | 0.00000 |
| | | | | 41 | Cost Less Base (Line 37 - 40) | 0.00052 |
| | | | | 42 | Loss Factor | 1.072 |
| | | | | 43 | Revenue Tax Req Multiplier | 1.0975 |
| | | | | 44 | DG FACTOR, ¢/kWh (Line 41 x 42 x 43) | 0.00061 |
| | | | | SUMMARY OF | | |
| | | | | TOTAL GENERATION FACTOR, ¢/kWh | | |
| | | | | 45 | Cntrl Stn+Wind/Hydro (line 34) | 5.62261 |
| | | | | 46 | DG (line 44) | 0.00061 |
| | | | | 47 | TOTAL GENERATION FACTOR, ¢/kWh (lines 45 + 46) | 5.62322 |

¹ Hilo ULSD same location as Kanoelehua ULSD

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

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

| Line | PURCHASED ENERGY COMPONENT | | | |
|------|---|---|---------|-----------|
| | PURCHASED ENERGY PRICE, ¢/kWh -- Fossil | | | |
| 48 | HEP | | 11.714 | |
| | PURCHASED ENERGY PRICE, ¢/kWh -- Renewable | | | |
| 49 | PGV | On Peak | 11.019 | |
| 50 | PGV | Off Peak | 10.531 | |
| 51 | PGV - Add'l 5 MW | On Peak | 13.250 | |
| 52 | PGV - Add'l 5 MW | Off Peak | 13.250 | |
| 53 | PGV - Add'l 8 MW | On Peak | 6.740 | |
| 54 | PGV - Add'l 8 MW | Off Peak | 6.740 | |
| 55 | Wailuku Hydro | On Peak | 11.019 | |
| 56 | Wailuku Hydro | Off Peak | 10.531 | |
| 57 | Hawi Renewable Dev. | On Peak | 11.019 | |
| 58 | Hawi Renewable Dev. | Off Peak | 10.531 | |
| 59 | Tawhiri (Pakini Nui) | On Peak | 13.320 | |
| 60 | Tawhiri (Pakini Nui) | Off Peak | 12.840 | |
| 61 | HEP Biodiesel | | 11.714 | |
| 62 | Small Hydro (>100 KW) | On Peak | 11.019 | |
| 63 | Small Hydro (>100 KW) | Off Peak | 10.531 | |
| 64 | Sch Q Hydro (<100 KW) | | 10.480 | |
| 65 | FIT | | 23.800 | |
| | PURCHASED ENERGY KWH MIX, %, Fossil | | | |
| 66 | HEP, Fossil | | 29.410 | |
| | PURCHASED ENERGY KWH MIX, %, Renewable | | | |
| 67 | PGV | On Peak | 20.016 | |
| 68 | PGV | Off Peak | 12.582 | |
| 69 | PGV - Addt'l | On Peak | 2.402 | |
| 70 | PGV - Addt'l | Off Peak | 2.860 | |
| 71 | PGV - Add'l 8 MW | On Peak | 0.000 | |
| 72 | PGV - Add'l 8 MW | Off Peak | 0.000 | |
| 73 | Wailuku Hydro | On Peak | 3.660 | |
| 74 | Wailuku Hydro | Off Peak | 2.310 | |
| 75 | Hawi Renewable Dev. | On Peak | 3.411 | |
| 76 | Hawi Renewable Dev. | Off Peak | 1.903 | |
| 77 | Tawhiri (Pakini Nui) | On Peak | 9.471 | |
| 78 | Tawhiri (Pakini Nui) | Off Peak | 6.040 | |
| 79 | HEP Biodiesel | | 5.344 | |
| 80 | Small Hydro (>100 KW) | On Peak | 0.000 | |
| 81 | Small Hydro (>100 KW) | Off Peak | 0.000 | |
| 82 | Sch Q Hydro (<100 KW) | | 0.000 | |
| 83 | FIT | | 0.591 | |
| | | | 100.000 | |
| 83a | Comp. Cost Purchased Energy Fossil, ¢/kWh | | 11.7140 | |
| 83b | Comp. Cost Purchased Energy Renewable, ¢/kWh | | 11.6934 | |
| 84 | COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh | | 11.699 | |
| 85 | % Input to System kWh Mix | | 56.219 | |
| 86 | WEIGHTED COMPOSITE PURCHASED ENERGY COST, ¢/kWh (Lines (84 x 85)) | | 6.57706 | |
| 87 | BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh | | 0.000 | |
| 88 | Base % Input to Sys kWh Mix | | 0.00 | |
| 89 | WEIGHTED BASE PURCHASED ENERGY COST, ¢/kWh (Lines (87 x 88)) | | 0.00000 | |
| 90 | COST LESS BASE (Lines (86 - 89)) | | 6.57706 | |
| 91 | Loss Factor | | 1.072 | |
| 92 | Revenue Tax * | | 1.0975 | |
| 93 | PURCHASED ENERGY FACTOR, ¢/kWh (Lines (90 x 91 x 92)) | | 7.73804 | |
| | Derivation of Non-Adjustable Component: | | | |
| | 93A | Ocean Cargo Insurance Exp, \$000 HELCO-603, page 1, line 4 | | \$13.1 |
| | 93B | Revenue Tax Adjustment | | 1.097514 |
| | 93C | Non-Adj Revenues, \$000 | | \$14.4 |
| | 93D | 2019 TY Sales, MWh HELCO-301 | | 1,061,718 |
| | 93E | Non-Adj Revenues, ¢/kWh | | 0.00135 |
| | <u>Line</u> | <u>SYSTEM COMPOSITE</u> | | |
| | 94 | GENERATION AND PURCHASED ENERGY FACTOR, ¢/kWh (Lines (47 + 93)) | | 13.36126 |
| | 95 | Not Used | | 0.000 |
| | 96 | Non-Adjustable Component | | 0.00135 |
| | 97 | ECA Reconciliation Adjustment | | (0.331) |
| | 98 | ECA FACTOR, ¢/kWh (Lines (94 + 95+ 96 + 97)) | | 13.032 |

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

INDUSTRIAL FUEL COSTS:

| | <u>HILO</u> | <u>PUNA</u> |
|---------------------------------------|-------------|-------------|
| Average Industrial Fuel Cost - \$/BBL | 54.8098 | 54.8098 |
| Land Transportation Cost - \$/BBL | -- | 1.4031 |
| Industrial Costs For Filing - \$/BBL | 54.8098 | 56.2128 |
| Conversion Factors - mmbtu/BBL | 6.30 | 6.30 |
| Industrial Costs For Filing - ¢/mmbtu | 870.00 | 892.27 |

DIESEL FUEL COSTS:

| | <u>KEAHOLE</u> | <u>PUNA CT-3</u> | <u>HILO</u> |
|-----------------------------------|----------------|------------------|-------------|
| Average Diesel Fuel Cost - \$/BBL | 56.4240 | 56.4240 | 56.4240 |
| Land Transportation Cost - \$/BBL | 3.1752 | 1.1429 | 0.9797 |
| Diesel Costs For Filing - \$/BBL | 59.5992 | 57.5668 | 57.4037 |
| Conversion Factors - mmbtu/BBL | 5.86 | 5.86 | 5.86 |
| Diesel Costs For Filing - ¢/mmbtu | 1,017.05 | 982.37 | 979.58 |

ULSD FUEL COSTS:

| | <u>KEAHOLE</u> | <u>WAIMEA</u> | <u>HILO</u> | <u>DISPERSED GENERATION</u> |
|-----------------------------------|----------------|---------------|-------------|---------------------------------|
| Average ULSD Fuel Cost - \$/BBL | 72.6605 | 72.6605 | 72.6605 | 72.6605 |
| Land Transportation Cost - \$/BBL | 2.3072 | 2.6325 | 0.8696 | - |
| ULSD Costs For Filing - \$/BBL | 74.9677 | 75.2930 | 73.5301 | 72.6605 |
| Conversion Factors - mmbtu/BBL | 5.73 | 5.73 | 5.73 | 5.73 |
| ULSD Costs For Filing - ¢/mmbtu | 1,308.34 | 1,314.01 | 1,283.25 | 1,268.07 |

Dispersed Generation, cents per kWh

| | <u>COMPOSITE COST OF DISP. GEN.</u> |
|--|---|
| BBIs Fuel: | 7.1525 |
| \$/BBI Inv Cost: | 72.6605 |
| Fuel \$ (Prod Sim Consumption x Unit Cost) | 519.70 |
| Net kWh (from Prod Sim) | 4,000 |
| cents/kWh: | 12.993 |

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

| | SHIPMAN INDUSTRIAL | | HILL INDUSTRIAL | | COST PER BARREL | | |
|------------------------------|--------------------|----------------------|-----------------|----------------------|-----------------|----------|----------|
| | BBL | COST | BBL | COST | EXCL LT | LT Total | |
| Balance at 10/31/2020 | 0 | 0.00 | 34,279 | 1,798,996.78 | | | |
| Less: Est'd Inventory Addn | | | 0 | 0.00 | | | |
| Purchases: Estimate | xxxxxx | xxxxxxxxxxxxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxxxxxxxxxxxx | | | |
| Actual | xxxxxx | xxxxxxxxxxxxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxxxxxxxxxxxx | | | |
| Transfers out: Estimate | xxxxxx | xxxxxxxxxxxxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxxxxxxxxxxxx | | | |
| Actual | xxxxxx | xxxxxxxxxxxxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxxxxxxxxxxxx | | | |
| Transfers in: Estimate | 0 | 0.00 | (20,895) | (975,004.99) | | | |
| Actual | 0 | 0.00 | 26,037 | 1,370,664.82 | | | |
| Consumed: Estimate | 0 | 0.00 | 27,247 | 1,377,964.77 | | | |
| Actual | 0 | 0.00 | (29,443) | (1,489,023.26) | | | |
| Balance Per G/L 10/31/2020 | 0 | 0.00 | 37,225 | 2,083,598.12 | | | |
| Purchases | xxxxxx | xxxxxxxxxxxxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxxxxxxxxxxxx | | | |
| Transfer out | xxxxxx | xxxxxxxxxxxxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxxxxxxxxxxxx | | | |
| Transfer in | 0 | 0.00 | 33,367 | 1,634,342.52 | | | |
| Consumed | 0 | 0.00 | (27,462) | (1,436,282.67) | 106.5901 | 0.0000 | 106.5901 |
| Balance @ 11/30/2020 | 0 | 0.00 | 43,130 | 2,281,657.97 | | | |
| Inv From Offsite/Transfers | 0 | 0.00 | 0 | 0.00 | | | |
| Est'd Inventory Addition | 0 | 0.00 | 0 | 0.00 | | | |
| Fuel Balance @ 11/30/2020 | 0 | 0.00 | 43,130 | 2,281,657.97 | | | |
| Reverse Fuel Balance | xxxxxx | 0.00 | xxxxxx | (2,281,657.97) | | | |
| Fuel Bal @ Avg Price | xxxxxx | 0.00 | xxxxxx | 2,363,944.67 | | | |
| Total @ 12/01/2020 Avg Price | 0 | 0.00 | 43,130 | 2,363,944.67 | | | |

Weighted Avg Cost/BBL by Location #DIV/0! 52.9019

Weighted Avg Cost/BBL @ Avg Cost #DIV/0! 54.8098

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

PUNA INDUSTRIAL

| | BBL | COST | LAND TRANSP | COST PER BARREL | | TOTAL |
|----------------------------------|----------------|---------------------|-------------------|-----------------|---------------|---------|
| | | | | EXCLUDE LT | LT | |
| Balance at 10/31/2020 | 10,655 | 543,053.69 | 15,040.24 | | | |
| Less: Est'd Inventory Addition | 0 | 0.00 | 0.00 | | | |
| Purchases: Estimate | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Actual | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Transfers out: Estimate | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Actual | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Transfers in: Estimate | (6,500) | (305,193.51) | (8,549.52) | | | |
| Actual | 6,440 | 351,637.94 | 8,815.21 | | | |
| Consumed: Estimate | 3,503 | 177,157.51 | 4,679.18 | | | |
| Actual | <u>(5,218)</u> | <u>(263,890.34)</u> | <u>(7,025.88)</u> | | | |
| Balance Per G/L 10/31/2020 | <u>8,880</u> | <u>502,765.28</u> | <u>12,959.23</u> | | | |
| Purchases | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Transfer out | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Transfer in | 5,271 | 278,731 | 6,933.00 | | | |
| Consumed | (4,423) | <u>(231,326.13)</u> | (6,243.36) | 52.3007 | 1.4116 | 53.7123 |
| Balance @ 11/30/2020 | <u>9,728</u> | <u>550,170.58</u> | <u>13,648.87</u> | | | |
| Inventory From Offsite/Transfers | 0 | 0.00 | 0.00 | | | |
| Est'd Inventory Addition | 0 | 0.00 | 0.00 | | | |
| Fuel Bal @ Avg Price | <u>9,728</u> | <u>550,170.58</u> | <u>13,648.87</u> | | <u>1.4031</u> | |
| Reverse Fuel Balance | XXXXXXXXXXXX | (550,170.58) | XXXXXXXXXXXX | | | |
| Fuel Balance @ Avg Price | XXXXXXXXXXXX | 533,189.28 | XXXXXXXXXXXX | | | |
| Total @ 12/01/2020 Avg Price | <u>9,728</u> | <u>533,189.28</u> | <u>13,648.87</u> | | | |

Weighted Avg Cost/BBL by Location

56.5554

1.4031

Weighted Avg Cost/BBL @ Avg Cost

54.8098

1.4031

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

KEAHOLE DIESEL

| HS Diesel | BBL | GALLONS | COST EXCLUDE LT | LAND TRANSP | COST PER EXCLUD LT | BARREL LT | TOTAL |
|----------------------------------|----------------|----------------|--------------------|----------------|-----------------------|--------------|---------|
| Balance at 10/31/2020 | 48,645.6 | 2,043,115.0 | 2,811,541.5 | 152,372.1 | | | |
| Less: Est'd Inventory Addition | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Purchases: Estimate | (4,330.7) | (181,890.0) | (252,827.1) | (13,532.6) | | | |
| Actual | 4,330.7 | 181,890.0 | 254,593.9 | 0.0 | | | |
| Transfers out: Estimate | | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | | | |
| Actual | | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | | | |
| Transfers in: Estimate | (51,275.2) | (2,153,560.0) | (2,966,227.5) | (160,224.9) | | | |
| Actual | 51,571.9 | 2,166,019.0 | 3,251,384.3 | 187,644.32 | | | |
| Consumed: Estimate | 50,141.1 | 2,105,925.0 | 3,090,857.8 | 135,696.94 | | | |
| Actual | (55,087.3) | (2,313,666.0) | (3,675,228.1) | (213,796.3) | 66.7164 | | |
| Balance Per G/L 10/31/2020 | 43,996.0 | 1,847,833 | 2,514,094.79 | 88,159.63 | 57.1437 | | |
| Purchases | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | | | |
| Transfer out | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | | | |
| Transfer in | 56,144.0 | 2,358,048.0 | 3,189,028.4 | 175,438.8 | 56.8009 | | |
| Consumed | (56,915.1) | (2,390,436.0) | (3,260,602.9) | (126,351.62) | 57.2888 | 2.2200 | 59.5088 |
| Balance @ 11/30/2020 | 43,224.9 | 1,815,445 | 2,442,520.29 | 137,246.78 | 56.5073 | | |
| 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 | 43,224.9 | 1,815,445 | 2,442,520.29 | 137,246.78 | 56.5073 | | |
| Reverse Fuel Balance | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | (2,442,520.3) | xxxxxxxxxxxxxx | | | |
| Fuel Balance @ Avg Price | xxxxxxxxxxxxxx | xxxxxxxxxxxxxx | 2,438,920.1 | xxxxxxxxxxxxxx | | | |
| Total @ 12/01/2020 Avg Price | 43,224.9 | 1,815,445 | 2,438,920.09 | 137,246.78 | 56.4240 | | |

Weighted Avg Cost/BBL by Location

56.5073

3.1752

Weighted Avg Cost/BBL @ Avg Cost

56.4240

3.1752

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

PUNA CT-3

| HS Diesel | BBL | GALLONS | COST EXCLUD LT | LAND TRANSP | COST PER EXCL LT | BARREL LT | TOTAL |
|------------------------------|-----------|--------------------|--------------------|--------------------|---------------------|--------------|---------|
| Balance at 10/31/2020 | 5,425.4 | 227,865.0 | 288,910.9 | 5,380.5 | | | |
| Less: Est'd Inven Addition | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Purchases: Estimate | | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | |
| Actual | | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | |
| Transfers out: Estimate | | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | |
| Actual | | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | |
| Transfers in: Estimate | (8,703.0) | (365,528.0) | (488,981.2) | (10,600.3) | | | |
| Actual | 7,580.1 | 318,366.0 | 427,264.3 | 9,158.5 | | | |
| Consumed: Estimate | 7,660.7 | 321,749.0 | 472,229.7 | 11,313.0 | | | |
| Actual | (7,367.1) | (309,417.0) | (437,612.4) | (10,879.4) | | | |
| Balance Per G/L 10/31/2020 | 4,596.1 | 193,035 | 261,811.33 | 4,372.29 | | | |
| Purchases | | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | |
| Transfer out | | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | |
| Transfer in | 3,043.5 | 127,825.0 | 165,419.2 | 3,706.9 | 54.3525 | | |
| Consumed | (4,312.2) | (181,112) | (247,040.42) | (4,276.56) | 57.2888 | 0.9917 | 58.2806 |
| Balance @ 11/30/2020 | 3,327.3 | 139,748 | 180,190.07 | 3,802.65 | 54.1545 | | |
| Inven From Offsite/Transfers | 0.0 | 0 | 0.00 | 0.00 | | | |
| Est'd Inventory Addition | 0.0 | 0 | 0.00 | 0.00 | | | |
| Fuel Balance @ 11/30/2020 | 3,327.3 | 139,748 | 180,190.07 | 3,802.65 | 54.1545 | | |
| Reverse Fuel Balance | | XXXXXXXXXXXXXXXXXX | (180,190.07) | XXXXXXXXXXXXXXXXXX | | | |
| Fuel Balance @ Avg Price | | XXXXXXXXXXXXXXXXXX | 187,741.41 | XXXXXXXXXXXXXXXXXX | | | |
| Total @ 12/01/2020 Avg Price | 3,327.3 | 139,748 | 187,741.41 | 3,802.65 | 56.4240 | | |

Weighted Avg Cost/BBL by Location 54.1545 1.1429

Weighted Avg Cost/BBL @ Avg Cost 56.4240 1.1429

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

TOTAL HILO HS-DIESEL

| HS Diesel | BBL | GALLONS | COST EXCLUDE LT | LAND TRANSP | COST PER EXCL LT | BARREL LT | TOTAL |
|------------------------------|---------|------------|-----------------|-------------|------------------|-----------|---------|
| Balance at 10/31/2020 | 2821.3 | 118,493 | 163,665 | 2,759 | | | |
| Less: Est'd Inven Addition | 0.0 | 0 | 0 | 0 | | | |
| Purchases: Estimate | | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | | | |
| Actual | | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | | | |
| Transfers out: Estimate | | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | | | |
| Actual | | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | | | |
| Transfers in: Estimate | -2265.9 | -95167.0 | -128729.1 | -2436.3 | | | |
| Actual | 1315.7 | 55259.0 | 74761.0 | 1414.6 | | | |
| Consumed: Estimate | 997.8 | 41908.0 | 61508.2 | 972.2 | | | |
| Actual | -1685.1 | -70774.0 | -103772.0 | -1641.9 | | | |
| Balance Per G/L 10/31/2020 | 1183.8 | 49,719 | 67,433.35 | 1,068.16 | 56.9642 | | |
| Purchases | | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | | | |
| Transfer out | | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | | | |
| Transfer in | 943.2 | 39614.0 | 54042.4 | 1014.1 | #DIV/0! | | |
| Consumed | -934.6 | -39255.0 | -53544.6 | -914.2 | 57.2888 | 0.9781 | 58.2669 |
| Balance @ 11/30/2020 | 1,192.3 | 50,078 | 67,931.17 | 1,168.11 | 56.9733 | | |
| 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 | 1,192.3 | 50,078 | 67,931.17 | 1,168.11 | 56.9733 | | |
| Reverse Fuel Balance | | XXXXXXXXXX | XXXXXXXXXX | -67,931.17 | XXXXXXXXXX | | |
| Fuel Balance @ Avg Price | | XXXXXXXXXX | XXXXXXXXXX | 67,276.20 | XXXXXXXXXX | | |
| Total @ 12/01/2020 Avg Price | 1,192.3 | 50,078 | 67,276.20 | 1,168.11 | 56.4240 | | |

Weighted Avg Cost/BBL by Location

56.9733 0.9797

Weighted Avg Cost/BBL @ Avg Cost

56.4240 0.9797

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

KEAHOLE ULSD

| ULSD | BBL | GALLONS | COST EXCLUDE LT | LAND TRANSP | COST PER BARREL EXCLUD LT | LT | TOTAL |
|-----------------------------------|--------------|--------------|--------------------|----------------|------------------------------|--------|---------|
| Balance at 10/31/2020 | 2,235.9 | 93,906 | 169,911.81 | 6,210.05 | | | |
| Less: Est'd Inventory Addition | 0.0 | | | | | | |
| Purchases: Estimate | (378.6) | (15,901) | (22,256.84) | (1,183.03) | | | |
| Actual | 377.2 | 15,841 | 22,172.86 | 0.00 | | | |
| Transfers out: Estimate | | XXXXXXXXXXXX | XXXXXXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Actual | | XXXXXXXXXXXX | XXXXXXXXXXXXXXXX | XXXXXXXXXXXX | | | |
| Transfers in: Estimate | | (71) | 0.00 | (5.28) | | | |
| Actual | | 13 | 0.00 | 1,178.57 | | | |
| Consumed: Estimate | 84.8 | 3,563 | 6,596.66 | 229.58 | | | |
| Actual | (183.1) | (7,690) | (14,237.52) | (1,685.14) | 77.7602 | | |
| Balance Per G/L 10/31/2020 | 2,134.8 | 89,661 | 162,186.97 | 4,744.75 | 75.9734 | | |
| Purchases | 188.7 | 7,924 | 11,040.71 | 589.55 | 0.0000 | | |
| Estimated Purchases | 0.0 | 0 | 0.00 | 0.00 | | | |
| Transfer in | (0.8) | (33) | 0.00 | (2.46) | 0.00 | | |
| Consumed | (310.2) | (13,027) | (23,327.29) | (688.57) | 75.2089 | 2.2200 | 77.4289 |
| Balance @ 11/30/2020 | 2,012.5 | 84,525 | 149,900.39 | 4,643.28 | 74.4847 | | |
| 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 | 2,012.5 | 84,525 | 149,900.39 | 4,643.28 | 74.4847 | | |
| Reverse Fuel Balance | XXXXXXXXXXXX | XXXXXXXXXXXX | (149,900.39) | XXXXXXXXXXXX | | | |
| Fuel Balance @ Avg Price | XXXXXXXXXXXX | XXXXXXXXXXXX | 146,229.23 | XXXXXXXXXXXX | | | |
| Total @ 12/01/2020 Avg Price | 2,012.5 | 84,525 | 146,229.23 | 4,643.28 | 72.6605 | | |
| Weighted Avg Cost/BBL by Location | | | 74.4847 | 2.3072 | | | |
| Weighted Avg Cost/BBL @ Avg Cost | | | 72.6605 | 2.3072 | | | |

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

WAIMEA DIESEL

| ULSD | BBL | GALLONS | COST EXCLUDE LT | LAND TRANSP | COST PER BARREL | LT | TOTAL |
|-----------------------------------|--------------|--------------|-----------------|--------------|-----------------|--------|---------|
| Balance at 10/31/2020 | 895.1 | 37,593.0 | 63,563.0 | 2,367.52 | | | |
| Less: Est'd Inven Addition | 0.0 | 0.0 | 0.00 | 0.00 | | | |
| Purchases: Estimate | | (15,901) | (22,256.84) | (985.86) | | | |
| Actual | | 15,842.0 | 22,174.3 | 0.00 | | | |
| Transfers out: Estimate | | xxxxxxxxxxxx | xxxxxxxxxxxx | xxxxxxxxxxxx | | | |
| Actual | | xxxxxxxxxxxx | xxxxxxxxxxxx | xxxxxxxxxxxx | | | |
| Transfers in: Estimate | 0.7 | 28 | 0.00 | 0.00 | | | |
| Actual | (1.2) | (50) | 0.00 | 982.20 | | | |
| Consumed: Estimate | 113.1 | 4,749 | 8,792.45 | 301.00 | | | |
| Actual | (256.4) | (10,767) | (19,934.38) | (682.42) | | | |
| Balance Per G/L 10/31/2020 | 749.9 | 31,494 | 52,338.49 | 1,982.44 | 69.7980 | | |
| ULSD Purchases | 0.0 | 0 | 0.00 | 0.00 | #DIV/0! | | |
| Estimated Purchases | 190.0 | 7,980 | 11,118.73 | 494.76 | | | |
| Transfer in | xxxxxxxxxxxx | 9 | 0.00 | 0.00 | #DIV/0! | | |
| Consumed | (196.1) | (8,237) | (14,749.89) | (518.75) | 75.2089 | 2.6451 | 77.8539 |
| Balance @ 11/30/2020 | 744.0 | 31,246 | 48,707.33 | 1,958.45 | 65.4710 | | |
| 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 | 744.0 | 31,246 | 48,707.33 | 1,958.45 | 65.4710 | | |
| Reverse Fuel Balance | xxxxxxxxxxxx | xxxxxxxxxxxx | (48,707.33) | xxxxxxxxxxxx | | | |
| Fuel Balance @ Avg Price | xxxxxxxxxxxx | xxxxxxxxxxxx | 54,055.94 | xxxxxxxxxxxx | | | |
| Total @ 12/01/2020 Avg Price | 744.0 | 31,246 | 54,055.94 | 1,958.45 | 72.6605 | | |
| Weighted Avg Cost/BBL by Location | | | 65.4710 | 2.6325 | | | |
| Weighted Avg Cost/BBL @ Avg Cost | | | 72.6605 | 2.6325 | | | |

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

KANOELEHUA DIESEL

| ULSD | BBL | GALLONS | COST EXCLUDE LT | LAND TRANSP | | |
|-----------------------------------|---------|----------|--------------------|----------------|-------------|--------|
| Balance at 10/31/2020 | 1,207.0 | 50,693.0 | 92,163.8 | 1,038.6 | | |
| Less: Est'd Inventory Addition | 0.0 | 0 | 0.00 | 0.00 | | |
| Purchases: Estimate | (188.6) | (7,921) | (11,087.13) | (202.78) | | |
| Actual | 188.6 | 7,921 | 11,087.13 | 0.00 | | |
| Transfers out: Estimate | | x | x | x | | |
| Actual | | x | x | x | | |
| Transfers in: Estimate | | 6 | 0.00 | 0.15 | | |
| Actual | | (6) | 0.00 | 202.78 | | |
| Consumed: Estimate | 63.2 | 2,654 | 4,913.70 | 66.16 | | |
| Actual | (225.6) | (9,475) | (17,542.33) | (236.19) | | |
| Balance Per G/L 10/31/2020 | 1,044.6 | 43,872 | 79,535.21 | 868.76 | | |
| ULSD Purchases | 188 | 7,916 | 11,029.56 | 202.65 | 1.39 | |
| Estimated Purchases | 0 | - | - | - | | |
| Transfer in | (2) | (77) | 0.00 | (1.97) | | |
| Consumed | (132.9) | (5,582) | (9,995.62) | (114.37) | 75.20887277 | 0.8605 |
| Balance @ 11/30/2020 | 1,098.3 | 46,129 | 80,569.15 | 955.07 | | |
| 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 | 1,098.3 | 46,129 | 80,569.15 | 955.07 | | |
| Reverse Fuel Balance | x | x | (80,569.15) | x | | |
| Fuel Balance @ Avg Price | x | x | 79,803.71 | x | | |
| Total @ 12/01/2020 Avg Price | 1,098.3 | 46,129 | 79,803.71 | 955.07 | | |
| Weighted Avg Cost/BBL by Location | | | 73.3574 | 0.8696 | | |
| Weighted Avg Cost/BBL @ Avg Cost | | | 72.6605 | 0.8696 | | |

HAWAII ELECTRIC LIGHT CO., INC.
Estimated Weighted Average
November 2020

DISPERSED GENERATION

| | BBL | GALLONS | COST | COST/BBL |
|------------------------------|------------|------------|------------|----------|
| Balance at 10/31/2020 | 139.5 | 5,861 | 11,105.50 | |
| Less: Est'd Inven Addition | 0.0 | XXXXXXXXXX | XXXXXXXXXX | |
| Purchases: Estimate | 0.0 | 0 | 0.00 | |
| Actual | 0.0 | 0 | 0.00 | |
| Consumed: Estimate | 7.0 | 296 | 548.02 | |
| Actual | (12.2) | (514) | (951.64) | |
| | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | |
| | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | |
| | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | |
| | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | |
| Balance Per G/L 10/31/2020 | 134.36 | 5,643 | 10,701.88 | 79.6525 |
| Purchases | 0.0 | 0 | 0.00 | 0.0000 |
| Transfer out | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | |
| Transfer in | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | |
| Consumed | (10.8) | (452) | (809.39) | 75.2089 |
| Balance @ 11/30/2020 | 123.6 | 5,191 | 9,892.49 | 80.0394 |
| Est'd Inventory Addition | 0.0 | 0 | 0.00 | |
| Fuel Balance @ 11/30/2020 | 123.6 | 5,191 | 9,892.49 | |
| Reverse Fuel Balance | XXXXXXXXXX | XXXXXXXXXX | (9,892.49) | xxxx |
| Fuel Balance @ Avg Price | XXXXXXXXXX | XXXXXXXXXX | 8,980.49 | xxxx |
| Total @ 12/01/2020 Avg Price | 123.6 | 5,191 | 8,980.49 | 72.6605 |

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

| | | December 1, 2020 <u>(¢/kWh)</u> | Floor Rates <u>(¢/kWh)</u> |
|------------------|------------|------------------------------------|-------------------------------|
| PGV (25 MW) | - on peak | 11.019 | 6.560 |
| PGV (22 MW) | - off peak | 10.531 | 5.430 |
| WAILUKU HYDRO | - on peak | 11.019 | 7.240 |
| | off peak | 10.531 | 5.970 |
| Other: (<100 KW) | Sch Q Rate | 10.480 | |

| | | December 1, 2020 <u>(¢/kWh)</u> | Floor Rates <u>(¢/kWh)</u> |
|----------------|------------|------------------------------------|-------------------------------|
| HEP | | 11.714 | |
| PGV Addtl 5 MW | - on peak | 13.250 | 0.0000 |
| | - off peak | 13.250 | 0.0000 |
| PGV Addtl 8 MW | - on peak | 6.740 | 0.0000 |
| | - off peak | 6.740 | 0.0000 |

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

| <u>Line No.</u> | <u>Description</u> | <u>Amount</u> |
|-----------------|--|---------------|
| 1 | Amount to be (returned) or collected | (\$784,000) |
| 2 | Monthly Amount ($\frac{1}{3}$ x Line 1) | (\$261,333) |
| 3 | Revenue Tax Divisor | 0.91115 |
| 4 | Total (Line 2 / Line 3) | (\$286,817) |
| 5 | Estimated MWh Sales (December 1, 2020) | 86,780 mwh |
| 6 | Adjustment (Line 4 / Line 5) | (0.331) ¢/kwh |

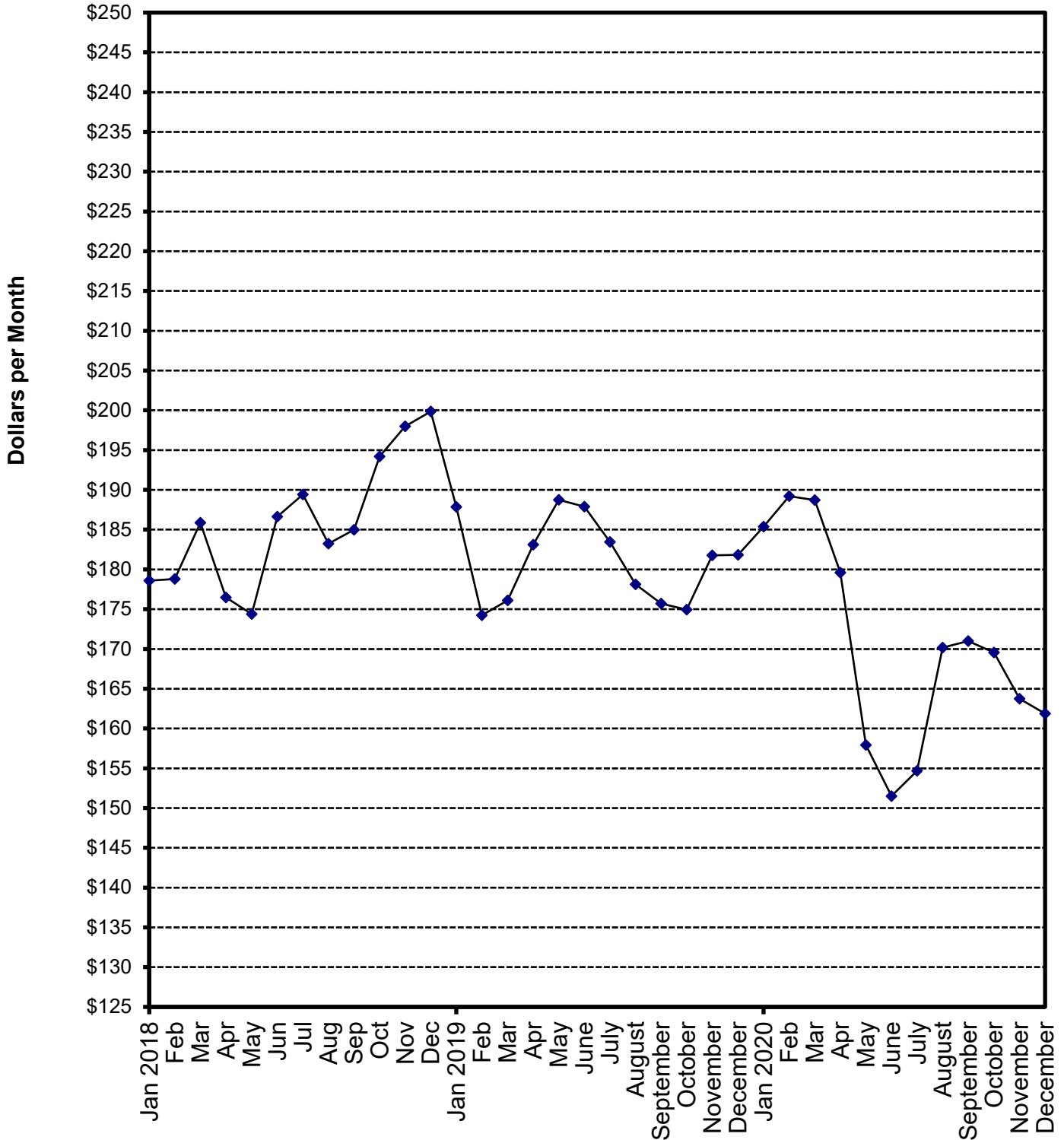
HAWAII ELECTRIC LIGHT COMPANY, INC.
2020 Cumulative Reconciliation Balance

| <u>Month</u> | (1) <u>YTD FOA Reconciliation</u> | <u>Qtr</u> | (2) <u>FOA Rec Adjust Variance</u> | (3) <u>FOA Rec Less Variance</u> | (4) <u>Try to Collect</u> | (5) <u>Actual Collect</u> | (6) <u>Month-end Cumulative Balance</u> |
|--------------|--------------------------------------|------------|---------------------------------------|-------------------------------------|------------------------------|------------------------------|--|
| January 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 19 | | | | | (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 | 115,511 | (101,030) |
| October | | | | | 119,767 | 117,423 | 16,393 |
| November | 784,000 | [3] | (16,667) | 800,667 | (261,333) | | |
| December | | | | | (261,333) | | |

NOTES:

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 6)
A positive number is an over-collection. A negative number is an under-collection.
- Col(2): FOA reconciliation adjustment variance accumulated during the last three months, starting with the fourth prior month; the difference between the estimated recorded sales used to derive the \$/kwh adjustment and the actual recorded sales.
(Col(5)-Col(4))
- Col(3): FOA reconciliation generated in the current quarter. The YTD FOA reconciliation difference minus the adjustment variance. Col(1)-Col(2)
- Col(4): Amount that the FOA reconciliation adjustment is trying to collect. (Col(1) * 1/3)
- Col(5): Actual collected amount. (recorded sales * \$/kwh adjustment/1.09751)
- Col(6): Cumulative balance of the FOA reconciliation (Previous balance + Col(3) + Col(5))

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



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

| <u>EFFECTIVE DATE</u> | <u>FUEL FACTOR CENTS / KWH</u> | | <u>RESIDENTIAL BILL (\$)</u> | |
|-----------------------|---|------------------|------------------------------|--|
| | <u>RESIDENTIAL & COMMERCIAL</u> | <u>@ 500 KWH</u> | <u>@ 600 KWH</u> | |
| January 1, 2018 | -0.723 | 178.59 | 213.95 | |
| February 1, 2018 | -0.579 | 178.81 | 214.22 | |
| March 1, 2018 | 0.816 | 185.87 | 222.68 | |
| April 1, 2018 | -0.912 | 176.46 | 211.39 | |
| May 1, 2018 | -0.452 | 174.38 | 208.90 | |
| June 1, 2018 | 2.301 | 186.65 | 223.63 | |
| July 1, 2018 | 2.831 | 189.43 | 226.97 | |
| August 1, 2018 | 1.665 | 183.25 | 219.55 | |
| September 1, 2018 | 2.027 | 184.98 | 221.62 | |
| October 1, 2018 | 8.359 | 194.21 | 232.50 | |
| November 1, 2018 | 8.913 | 197.99 | 237.04 | |
| December 1, 2018 | 9.292 | 199.86 | 239.29 | |
| January 1, 2019 | 6.867 | 187.86 | 224.86 | |
| February 1, 2019 | 14.631 | 174.25 | 208.53 | |
| March 1, 2019 | 14.976 | 176.1 | 210.75 | |
| April 1, 2019 | 16.469 | 183.12 | 219.17 | |
| May 1, 2019 | 17.396 | 188.74 | 225.93 | |
| June 1, 2019 | 17.318 | 187.89 | 224.90 | |
| July 1, 2019 | 16.450 | 183.46 | 219.63 | |
| August 1, 2019 | 15.331 | 178.14 | 213.25 | |
| September 1, 2019 | 14.845 | 175.70 | 210.32 | |
| 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 | |
| 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 | |
| November 1, 2020 | 13.426 | 163.74 | 195.96 | |
| December 1, 2020 | 13.032 | 161.87 | 193.70 | |

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

| EFFECTIVE DATE | DESCRIPTION OF SURCHARGE | RATE |
|-----------------------------|--|---------------------------|
| 1/1/2020-10/31/2020 | 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 | GREEN INFRASTRUCTURE FEE | 1.19 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 |
| 11/1/2020-11/30/2020 | PURCHASED POWER ADJUSTMENT CLAUSE | 1.9106 CENTS/KWH |
| 11/1/2020 | Final Rates (TY2019), Docket No. 2018-0368, Order No. 37395 | |
| 12/1/2020-12/31/2020 | PURCHASED POWER ADJUSTMENT CLAUSE | 1.9291 CENTS/KWH |

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

Calculations of the Average Residential Customer Bill

| | Rate | | Charge (\$) at 500 Kwh | | | |
|--|-----------------|------------|------------------------|-----------------------|------------|---------|
| | 11/01/20 | 12/01/20 | 11/01/20 | 12/01/20 | Difference | |
| Base Rates | effective date: | 11/01/2020 | 11/01/2020 | | | |
| Base Fuel Energy Charge | ¢/kwh | - | - | \$0.00 | \$0.00 | \$0.00 |
| Non-Fuel Energy Charge | ¢/kwh | | | \$73.74 | \$73.74 | \$0.00 |
| First 300 kWh per month | ¢/kwh | 13.4059 | 13.4059 | \$40.22 | \$40.22 | \$0.00 |
| Next 700 kWh per month | ¢/kwh | 16.7577 | 16.7577 | \$33.52 | \$33.52 | \$0.00 |
| Customer Charge | \$ | 11.50 | 11.50 | \$11.50 | \$11.50 | \$0.00 |
| Total Base Charges | | | | \$85.24 | \$85.24 | \$0.00 |
| Interim Rate Adjustment 2019 TY | % on base | 0.0000% | 0.0000% | \$0.00 | \$0.00 | \$0.00 |
| RBA Rate Adjustment | ¢/kwh | (0.4623) | (0.4623) | -\$2.31 | -\$2.31 | \$0.00 |
| Purchased Power Adj. Clause | ¢/kwh | 1.9106 | 1.9291 | \$9.55 | \$9.65 | \$0.10 |
| 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 | 13.4260 | 13.0320 | \$67.13 | \$65.16 | -\$1.97 |
| Green Infrastructure Fee | \$ | 1.19 | 1.19 | \$1.19 | \$1.19 | \$0.00 |
| Avg Residential Bill at 500 kwh | | | | \$163.74 | \$161.87 | |
| | | | | Increase (Decrease -) | | -\$1.87 |
| | | | | % Change | | -1.14% |

| | Rate | | Charge (\$) at 600 Kwh | | | |
|--|-----------------|------------|------------------------|-----------------------|------------|---------|
| | 11/01/20 | 12/01/20 | 11/01/20 | 12/01/20 | Difference | |
| Base Rates | effective date: | 11/01/2020 | 11/01/2020 | | | |
| Base Fuel/Energy Charge | ¢/kwh | - | - | \$0.00 | \$0.00 | \$0.00 |
| Non-Fuel Energy Charge | ¢/kwh | | | \$90.49 | \$90.49 | \$0.00 |
| First 300 kWh per month | ¢/kwh | 13.4059 | 13.4059 | \$40.22 | \$40.22 | \$0.00 |
| Next 700 kWh per month | ¢/kwh | 16.7577 | 16.7577 | \$50.27 | \$50.27 | \$0.00 |
| Customer Charge | \$ | 11.50 | 11.50 | \$11.50 | \$11.50 | \$0.00 |
| Total Base Charges | | | | \$101.99 | \$101.99 | \$0.00 |
| Interim Rate Adjustment 2019 TY | % on base | 0.0000% | 0.0000% | \$0.00 | \$0.00 | \$0.00 |
| RBA Rate Adjustment | ¢/kwh | (0.4623) | (0.4623) | -\$2.77 | -\$2.77 | \$0.00 |
| Purchased Power Adj. Clause | ¢/kwh | 1.9106 | 1.9291 | \$11.46 | \$11.57 | \$0.11 |
| 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 | 13.4260 | 13.0320 | \$80.56 | \$78.19 | -\$2.37 |
| Green Infrastructure Fee | \$ | 1.19 | 1.19 | \$1.19 | \$1.19 | \$0.00 |
| Avg Residential Bill at 600 kwh | | | | \$195.96 | \$193.70 | |
| | | | | Increase (Decrease -) | | -\$2.26 |
| | | | | % Change | | -1.15% |

From: puc@hawaii.gov
Sent: Wednesday, November 25, 2020 2:45 PM
To: Watanabe, Blaine
Subject: Hawaii PUC eFiling Confirmation of Filing

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