

# MONTHLY ENERGY TREND HIGHLIGHTS

## December 2021 Highlights

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### Crude Oil Prices:

In December 2021, the crude oil price increased from the same month last year but decreased from the previous month. The crude oil price at the New York Mercantile Exchange averaged \$71.94 per barrel in December 2021 which was up \$24.87 (52.8%) per barrel from the same month last year. Compared to November 2021, it was a decrease of \$6.70 (8.5%) per barrel.

### Refinery Processing:

According to the most recent data available, Hawaii's refineries imported 2.8 million barrels of foreign crude oil in October 2021. This was an increase of 0.2 million barrels (6.7%) from the same month last year. Compared to September 2021, it was an increase of 0.3 million barrels (11.9%).

### Gasoline Prices:

In December 2021, the regular gasoline price in Hawaii averaged \$4.338 per gallon, which was \$1.021 per gallon (30.8%) higher than the national average for the same month.

Hawaii's regular gasoline price in December 2021 was an increase of \$1.063 per gallon (32.5%) from the same month last year, but a decrease of 1.0 cents per gallon (0.2%) from November 2021.

The national average price for regular gasoline in December 2021 was \$3.317 per gallon, an increase of \$1.112 per gallon (50.4%) from the same month last year, but a decrease of 9.1 cents per gallon (2.7%) from November 2021.

The average prices of regular gasoline within the State in December 2021 were as follows: Kauai, \$4.630; Wailuku, \$4.520; Hilo, \$4.346; and Oahu, \$4.232.

### Diesel Fuel Prices:

The national average price for diesel in December 2021 was \$3.593 per gallon which was an increase of \$1.091 (43.6%) from the same month a year ago, but a decrease of 4.9 cents (1.3%) from November 2021.

Hawaii's average price for diesel in December 2021 was \$4.666 per gallon which increased 60.6 cents (14.9%) per gallon from the same month last year and increased 1.3 cents per gallon (0.3%) from November 2021. Hawaii's diesel price was \$1.072 per gallon (29.8%) higher than the national average.

In December 2021, the average prices per gallon for diesel among Hawaii's market were as follows: Kauai, \$5.071; Wailuku, \$4.808; Hilo, \$4.632; and Oahu, \$4.591.

### Gasoline Consumption:

Hawaii's statewide consumption for gasoline in October 2021, as measured by the gasoline tax base, was 35.0 million gallons, which increased 4.5 million gallons (14.8%) from the same month a year ago. Gasoline in October 2021 was mainly consumed in Honolulu (59.0%), followed by Hawaii County (19.2%), Maui County (15.0%), and Kauai County (6.8%).

### **Highway Diesel Fuel Consumption:**

Hawaii's October 2021 consumption for highway use diesel was 4.5 million gallons, which increased 0.4 million gallons (10.5%) from the same month last year. Highway use diesel in October 2021 was mainly consumed in Honolulu (60.2%), followed by Hawaii County (23.5%), Maui County (10.8%), and Kauai County (5.5%).

### **Aviation Fuel Consumption:**

In October 2021, data from the Department of Taxation showed statewide aviation fuel consumption was 24.8 million gallons, which increased 17.1 million gallons (222.1%) from the same month a year ago. The aviation fuel was shipped to the various counties as follows: City and County of Honolulu (40.2%), Maui County (33.2%), Hawaii County (17.2%), and Kauai County (9.4%).

### **Registered Taxable Vehicles:**

As of December 2021, there were 1,052,018 registered passenger vehicles in the state, a decrease of 2,337 vehicles (0.2%) from the same month last year but an increase of 6 vehicles (0.001%) from November 2021. The number of passenger gasoline vehicles was 1,002,702, which was 95.3% of total passenger vehicles. It represents a decrease of 7,111 vehicles (0.7%) from the same period last year, and a decrease of 279 vehicles (0.03%) from November 2021.

In December 2021, the number of passenger electric vehicles in the state was 17,735, an increase of 4,312 vehicles (32.1%) from the same month last year, and an increase of 279 vehicles (1.6%) from November 2021. The number of passenger hybrid vehicles in the state in this month was 23,692, accounting for 2.3% of the total passenger vehicles. It represents an increase of 2.8% from the same month last year and an increase of 0.1% from November 2021.

In December 2021, there were 50,197 registered freight gasoline vehicles, a 1.4% increase from the same period last year, and a 0.2% increase from November 2021. The number of freight diesel vehicles in December 2021 was 23,907, a 0.4% decrease from the same period last year, and a 0.03% decrease from November 2021.

| Monthly Energy Trend: State                                 |               |              |                |                   |               |                   |
|---|---------------|--------------|----------------|-------------------|---------------|-------------------|
| Month of Dec - 2021   |               |              |                |                   |               |                   |
| Series  | Unit          | Month        | Current Period |                   | Year-to-Date  |                   |
|   |               |              | Number         | % Change Year Ago | Number        | % Change Year Ago |
| <b>Crude Oil Price</b>                                      |               |              |                |                   |               |                   |
| NYMEX WTI Future Price                                      | \$ per Barrel | December 21  | 71.94          | 52.8%             | 67.95         | 72.3%             |
| Europe Brent Spot Price                                     | \$ per Barrel | November 21  | 81.05          | 89.9%             | 70.36         | 71.6%             |
| <b>Gasoline and Diesel Prices</b>                           |               |              |                |                   |               |                   |
| Gasoline - Regular, National                                | \$ per Gallon | December 21  | 3.317          | 50.4%             | 3.021         | 38.7%             |
| Gasoline -Mid Grade, National                               | \$ per Gallon | December 21  | 3.683          | 44.7%             | 3.361         | 33.0%             |
| Gasoline -Premium, National                                 | \$ per Gallon | December 21  | 3.955          | 40.6%             | 3.632         | 30.1%             |
| Diesel, National  | \$ per Gallon | December 21  | 3.593          | 43.6%             | 3.210         | 26.2%             |
| Gasoline - Regular, State                                   | \$ per Gallon | December 21  | 4.338          | 32.5%             | 3.912         | 17.7%             |
| Gasoline -Mid Grade, State                                  | \$ per Gallon | December 21  | 4.542          | 31.3%             | 4.108         | 17.2%             |
| Gasoline -Premium, State                                    | \$ per Gallon | December 21  | 4.783          | 30.1%             | 4.354         | 17.4%             |
| Diesel, State   | \$ per Gallon | December 21  | 4.666          | 14.9%             | 4.339         | 6.5%              |
| <b>Fuel Surcharges</b>                                      |               |              |                |                   |               |                   |
| Matson Navigation Company                                   | Percentage    | December 21  | 38.50%         | 28.3%             | 34.20%        | 7.9%              |
| <b>Foreign Imports</b>                                      |               |              |                |                   |               |                   |
| Crude Oil   | 1000 Barrels  | October 21   | 2,786          | 6.7%              | 21,605        | 28.2%             |
| Distillate  | 1000 Barrels  | October 21   | 33             | N/A               | 33            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | October 21   | 327            | N/A               | 4,822         | -27.2%            |
| Residual Fuel Oil   | 1000 Barrels  | October 21   | -              | N/A               | -             | N/A               |
| Propane   | 1000 Barrels  | October 21   | 60             | 106.9%            | 655           | 20.4%             |
| Fuel Ethanol  | 1000 Barrels  | October 21   | -              | N/A               | -             | N/A               |
| Other Refined Petroleum Products                            | 1000 Barrels  | October 21   | 593            | 303.4%            | 3,523         | 53.4%             |
| <b>Liquid Fuel Tax Base</b>                                 |               |              |                |                   |               |                   |
| Gasoline  | Gallons       | October 21   | 34,997,188     | 14.8%             | 347,561,524   | 14.7%             |
| Diesel Oil (non-hwy)  | Gallons       | October 21   | 12,325,425     | -6.9%             | 108,440,106   | -3.6%             |
| Diesel Oil (hwy use)  | Gallons       | October 21   | 4,522,570      | 10.5%             | 38,131,706    | 10.6%             |
| LPG (off hwy)   | Gallons       | October 21   | -              | -                 | -             | -                 |
| LPG (hwy use)   | Gallons       | October 21   | 2,459          | 164.1%            | 17,039        | 36.3%             |
| Small Boat (gas)  | Gallons       | October 21   | 109,133        | 66.4%             | 584,290       | -42.2%            |
| Small Boat (diesel)   | Gallons       | October 21   | 432,039        | 13.1%             | 4,341,686     | 62.3%             |
| Aviation Fuel   | Gallons       | October 21   | 24,803,011     | 222.1%            | 218,710,613   | 107.0%            |
| Other Fuel  | Gallons       | October 21   | 1,528,157      | -23.6%            | 20,831,001    | 1.3%              |
| Agricultural Refund   | Gallons       | October 21   | 100,437        | 108.4%            | 456,732       | -19.0%            |
| <b>Registered Vehicles, Taxable</b>                         |               |              |                |                   |               |                   |
| Passenger, Electric   | Vehicle       | December 21  | 17,735         | 32.1%             | 15,569        | 26.7%             |
| Passenger, Diesel   | Vehicle       | December 21  | 7,410          | 0.0%              | 7,329         | -4.1%             |
| Passenger, Gasoline   | Vehicle       | December 21  | 1,002,702      | -0.7%             | 1,002,355     | -2.3%             |
| Passenger, Hybrid   | Vehicle       | December 21  | 23,692         | 2.8%              | 23,286        | -1.2%             |
| Passenger, Misc Fuel  | Vehicle       | December 21  | 479            | -27.5%            | 625           | -39.6%            |
| Freight, Electric   | Vehicle       | December 21  | 30             | 36.4%             | 28            | 48.7%             |
| Freight, Diesel   | Vehicle       | December 21  | 23,907         | -0.4%             | 23,886        | -0.9%             |
| Freight, Gasoline   | Vehicle       | December 21  | 50,197         | 1.4%              | 49,672        | -0.8%             |
| Freight, Hybrid   | Vehicle       | December 21  | 79             | 14.5%             | 74            | 6.9%              |
| Freight, Misc Fuel  | Vehicle       | December 21  | 47             | -46.0%            | 57            | -39.1%            |
| <b>Electricity Production and Sale by Utility Companies</b> |               |              |                |                   |               |                   |
| <b>Electricity Consumers</b>                                |               |              |                |                   |               |                   |
| All Sectors   | Consumers     | September 21 | 508,661        | 0.7%              | 507,660       | 0.6%              |
| Residential   | Consumers     | September 21 | 444,019        | 0.6%              | 443,224       | 0.7%              |
| Commercial  | Consumers     | September 21 | 60,051         | 0.8%              | 59,846        | 0.1%              |
| Street Lights   | Consumers     | September 21 | 4,591          | -0.2%             | 4,591         | -0.3%             |
| <b>Electric Meters</b>                                      |               |              |                |                   |               |                   |
| All sectors   | Meters        | September 21 | 507,644        | 0.7%              | 506,659       | 0.6%              |
| Residential   | Meters        | September 21 | 444,027        | 0.6%              | 443,232       | 0.7%              |
| Commercial  | Meters        | September 21 | 59,679         | 0.7%              | 59,491        | 0.0%              |
| Street Lights   | Meters        | September 21 | 3,938          | 0.1%              | 3,936         | 0.0%              |
| <b>Electricity Sale (KWH sold)</b>                          |               |              |                |                   |               |                   |
| All Sectors   | KWH           | September 21 | 737,771,381    | 2.0%              | 6,446,722,052 | 2.5%              |
| Residential   | KWH           | September 21 | 225,766,633    | -5.0%             | 1,980,466,270 | 1.0%              |
| Commercial  | KWH           | September 21 | 510,721,959    | 5.3%              | 4,446,941,938 | 3.2%              |
| Street Lights   | KWH           | September 21 | 1,282,789      | 267.1%            | 19,313,844    | 1.2%              |
| <b>Net Revenue of Utility Companies</b>                     |               |              |                |                   |               |                   |
| All Sectors   | Dollars       | September 21 | 233,229,558    | 16.7%             | 1,936,761,432 | 9.1%              |
| Residential   | Dollars       | September 21 | 79,607,108     | 10.1%             | 664,539,050   | 8.2%              |
| Commercial  | Dollars       | September 21 | 153,073,152    | 20.3%             | 1,265,632,680 | 9.5%              |
| Street Lights   | Dollars       | September 21 | 549,297        | 190.5%            | 6,589,702     | 8.3%              |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b> |               |              |                |                   |               |                   |
| All Sectors   | Cents/KWh     | September 21 | 31.61          | 14.4%             | 30.04         | 6.4%              |
| Residential   | Cents/KWh     | September 21 | 35.26          | 15.8%             | 33.55         | 7.2%              |
| Commercial  | Cents/KWh     | September 21 | 29.97          | 14.3%             | 28.46         | 6.1%              |
| Street Lights   | Cents/KWh     | September 21 | 42.82          | -20.9%            | 34.12         | 7.0%              |
| <b>Electricity Production</b>                               |               |              |                |                   |               |                   |
| Electricity Sent to System by Electric Utility Companies    | KWH           | September 21 | 788,735,627    | 3.8%              | 6,754,326,667 | 2.3%              |
| Electricity Generated at the Electric Utility Stations      | KWH           | September 21 | 412,564,195    | -4.2%             | 3,709,077,730 | -1.6%             |
| - Generated by Steam  | KWH           | September 21 | 295,195,449    | -4.9%             | 2,642,778,052 | -3.2%             |
| - Generated by Diesel                                       | KWH           | September 21 | 110,496,154    | -2.2%             | 1,006,789,962 | 2.7%              |
| - Generated by Biodiesel                                    | KWH           | September 21 | 2,402,208      | -23.9%            | 21,509,453    | -8.1%             |
| - Generated by Solar  | KWH           | September 21 | 3,317,689      | -9.8%             | 29,478,464    | 0.0%              |
| - Generated by Hydro and Wind                               | KWH           | September 21 | 1,152,695      | 323.6%            | 8,521,799     | 14.1%             |
| Electricity Purchased from Independent Power Plant          | KWH           | September 21 | 400,234,950    | 12.9%             | 3,266,598,668 | 7.1%              |
| Electricity Used by Electric Utility Stations               | KWH           | September 21 | 24,063,518     | -3.5%             | 221,404,836   | 1.3%              |
| <b>Fuel Oil Used by Utility Companies</b>                   |               |              |                |                   |               |                   |
| Barrels of Oil Consumed                                     | Barrels       | September 21 | 493,865        | -4.9%             | 4,411,364     | -2.9%             |
| Total Cost of Oil Consumed                                  | Dollars       | September 21 | 43,474,686     | 52.6%             | 330,147,558   | 19.6%             |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | September 21 | 88.03          | 60.6%             | 74.84         | 23.2%             |
| Month-end price per barrel                                  | Dollars       | September 21 | 81.86          | 59.1%             | 71.83         | 30.5%             |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | September 21 | 0.161          | 60.6%             | 0.134         | 23.0%             |
| <b>Diesel Oil Used by Utility Companies</b>                 |               |              |                |                   |               |                   |
| Barrels of Oil Consumed                                     | Barrels       | September 21 | 205,553        | 6.6%              | 1,762,950     | 4.4%              |
| Total Cost of Oil Consumed                                  | Dollars       | September 21 | 19,343,160     | 55.1%             | 142,887,650   | 14.4%             |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | September 21 | 94.10          | 45.4%             | 81.05         | 9.6%              |
| Month-end price per barrel                                  | Dollars       | September 21 | 100.46         | 54.3%             | 89.95         | 19.0%             |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | September 21 | 0.176          | 48.6%             | 0.147         | 9.3%              |
| <b>Biodiesel Oil Used by Utility Companies</b>              |               |              |                |                   |               |                   |
| Barrels of Oil Consumed                                     | Barrels       | September 21 | 3,782          | -23.3%            | 33,741        | -7.7%             |
| Total Cost of Oil Consumed                                  | Dollars       | September 21 | 482,980        | -41.1%            | -5,700,636    | -196.7%           |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | September 21 | 127.70         | -23.2%            | -168.95       | -204.8%           |
| Month-end price per barrel                                  | Dollars       | September 21 | 129.24         | -19.4%            | 18.71         | -87.9%            |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | September 21 | 0.220          | -21.4%            | -0.286        | -205.3%           |

Source:  
NYMEX WTI Prices, New York Mercantile Exchange  
Europe Brent Spot Price FOB, US Department of Energy, Energy Information Administration  
Foreign Imports, US Department of Energy, Energy Information Administration  
Gasoline and Diesel Prices, American Automobile Association  
Fuel Surcharges, Matson Navigation Company  
Liquid Fuel Tax Base, Hawaii State Department of Taxation. (Note the Hawaii State Department of Taxation data is lagged one month)  
Registered Vehicles, City and County Honolulu  
Electric Utility Data, Hawaii Electric Company, Inc., Maui Electric Light Co., Inc., Maui Electric Company, Ltd., and Kauai Island Utility Cooperative, Monthly Financial Reports and compiled by Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division.

| Monthly Energy Trend: Oahu<br>Month of Dec - 2021                           |               |              |                |                   |               |                   |
|---|---------------|--------------|----------------|-------------------|---------------|-------------------|
| Series  | Unit          | Month        | Current Period |                   | Year-to-Date  |                   |
|   |               |              | Number         | % Change Year Ago | Number        | % Change Year Ago |
| <b>Gasoline and Diesel Prices</b>   |               |              |                |                   |               |                   |
| Gasoline - Regular  | \$ per Gallon | December 21  | 4.232          | 36.4%             | 3.814         | 20.8%             |
| Gasoline - Mid Grade  | \$ per Gallon | December 21  | 4.486          | 33.7%             | 4.059         | 19.1%             |
| Gasoline - Premium  | \$ per Gallon | December 21  | 4.747          | 32.0%             | 4.320         | 19.0%             |
| Diesel  | \$ per Gallon | December 21  | 4.591          | 13.7%             | 4.266         | 5.2%              |
| <b>Foreign Imports</b>  |               |              |                |                   |               |                   |
| Crude Oil   | 1000 Barrels  | October 21   | 2,786          | 6.7%              | 21,605        | 28.2%             |
| Distillate  | 1000 Barrels  | October 21   | 33             | N/A               | 33            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | October 21   | 327            | N/A               | 4,822         | -27.2%            |
| Residual Fuel Oil   | 1000 Barrels  | October 21   | -              | N/A               | -             | N/A               |
| Propane   | 1000 Barrels  | October 21   | 28             | 250.0%            | 28            | -78.5%            |
| Fuel Ethanol  | 1000 Barrels  | October 21   | -              | N/A               | -             | N/A               |
| Other Refined Petroleum Products  | 1000 Barrels  | October 21   | 593            | 303.4%            | 3,512         | 52.9%             |
| <b>Liquid Fuel Tax Base</b>   |               |              |                |                   |               |                   |
| Gasoline  | Gallons       | October 21   | 20,649,567     | 8.8%              | 208,776,960   | 12.0%             |
| Diesel Oil (non-hwy)  | Gallons       | October 21   | 4,679,118      | 5.9%              | 35,240,542    | -20.7%            |
| Diesel Oil (hwy use)  | Gallons       | October 21   | 2,724,316      | 11.0%             | 19,313,796    | 2.0%              |
| LPG (off hwy)   | Gallons       |              |                |                   |               |                   |
| LPG (hwy use)   | Gallons       | October 21   | 2,379          | 344.7%            | 15,746        | 57.4%             |
| Small Boat (gas)  | Gallons       | October 21   | 74,892         | 83.0%             | 256,905       | -64.7%            |
| Small Boat (diesel)   | Gallons       | October 21   | 432,039        | 13.1%             | 4,341,686     | 62.3%             |
| Aviation Fuel   | Gallons       | October 21   | 9,980,910      | 180.2%            | 85,283,061    | 68.6%             |
| Other Fuel  | Gallons       | October 21   | 112,284        | -13.4%            | 1,136,436     | -13.0%            |
| Agricultural Refund   | Gallons       | October 21   | 73,630         | 180.3%            | 283,529       | -17.4%            |
| <b>Registered Vehicles, Taxable</b>   |               |              |                |                   |               |                   |
| Passenger, Electric   | Vehicle       | December 21  | 13,930         | 32.2%             | 12,240        | 26.9%             |
| Passenger, Diesel   | Vehicle       | December 21  | 2,352          | 0.3%              | 2,315         | -6.0%             |
| Passenger, Gasoline   | Vehicle       | December 21  | 597,024        | -0.5%             | 595,713       | -2.0%             |
| Passenger, Hybrid   | Vehicle       | December 21  | 16,446         | 3.8%              | 16,020        | -0.7%             |
| Passenger, Misc Fuel  | Vehicle       | December 21  | 311            | -18.6%            | 363           | -32.9%            |
| Freight, Electric   | Vehicle       | December 21  | 29             | 31.8%             | 27            | 43.3%             |
| Freight, Diesel   | Vehicle       | December 21  | 10,869         | -2.3%             | 10,958        | -2.5%             |
| Freight, Gasoline   | Vehicle       | December 21  | 34,319         | 1.0%              | 33,998        | -1.0%             |
| Freight, Hybrid   | Vehicle       | December 21  | 72             | 18.0%             | 66            | 7.6%              |
| Freight, Misc Fuel  | Vehicle       | December 21  | 38             | -50.0%            | 48            | -42.2%            |
| <b>Electricity Production and Sale by Utility Companies</b>                 |               |              |                |                   |               |                   |
| <b>Electricity Consumers</b>  |               |              |                |                   |               |                   |
| All Sectors   | Consumers     | September 21 | 308,376        | 0.5%              | 307,924       | 0.5%              |
| Residential   | Consumers     | September 21 | 274,660        | 0.5%              | 274,293       | 0.5%              |
| Commercial  | Consumers     | September 21 | 33,276         | 0.7%              | 33,188        | 0.0%              |
| Street Lights   | Consumers     | September 21 | 440            | -1.6%             | 443           | -1.2%             |
| <b>Electric Meters</b>  |               |              |                |                   |               |                   |
| All Sectors   | Meters        | September 21 | 307,963        | 0.5%              | 307,522       | 0.5%              |
| Residential   | Meters        | September 21 | 274,667        | 0.5%              | 274,299       | 0.5%              |
| Commercial  | Meters        | September 21 | 33,177         | 0.5%              | 33,104        | -0.1%             |
| Street Lights   | Meters        | September 21 | 119            | 0.0%              | 119           | -1.2%             |
| <b>Electricity Sale (KWH Sold)</b>  |               |              |                |                   |               |                   |
| All Sectors   | KWH           | September 21 | 524,002,208    | -1.2%             | 4,577,563,530 | 0.4%              |
| Residential   | KWH           | September 21 | 141,863,190    | -10.3%            | 1,217,912,143 | -3.0%             |
| Commercial  | KWH           | September 21 | 381,545,402    | 2.3%              | 3,346,588,053 | 1.7%              |
| Street Lights   | KWH           | September 21 | 593,616        | -289.4%           | 13,063,334    | 3.6%              |
| <b>Net Revenue of Utility Companies</b>                                     |               |              |                |                   |               |                   |
| All Sectors   | Dollars       | September 21 | 155,401,411    | 15.2%             | 1,286,818,845 | 8.3%              |
| Residential   | Dollars       | September 21 | 47,549,791     | 6.5%              | 389,402,404   | 5.9%              |
| Commercial  | Dollars       | September 21 | 107,579,598    | 19.1%             | 893,219,358   | 9.3%              |
| Street Lights   | Dollars       | September 21 | 272,022        | -516.4%           | 4,197,083     | 15.6%             |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                 |               |              |                |                   |               |                   |
| All Sectors   | Cents/KWh     | September 21 | 29.66          | 16.6%             | 28.11         | 7.8%              |
| Residential   | Cents/KWh     | September 21 | 33.52          | 18.7%             | 31.97         | 9.2%              |
| Commercial  | Cents/KWh     | September 21 | 28.20          | 16.4%             | 26.69         | 7.5%              |
| Street Lights   | Cents/KWh     | September 21 | 45.82          | 119.9%            | 32.13         | 11.6%             |
| <b>Electricity Production</b>   |               |              |                |                   |               |                   |
| Electricity Sent to System by Electric Utility Companies                    | KWH           | September 21 | 558,855,334    | 1.0%              | 4,772,951,016 | 0.0%              |
| Electricity Generated at the Electric Utility Stations                      | KWH           | September 21 | 289,198,964    | -3.5%             | 2,537,146,419 | -2.1%             |
| - Generated by Steam  | KWH           | September 21 | 266,058,127    | -7.2%             | 2,397,607,346 | -2.6%             |
| - Generated by Diesel   | KWH           | September 21 | 17,420,940     | 181.1%            | 88,551,156    | 15.1%             |
| - Generated by Biodiesel  | KWH           | September 21 | 2,402,208      | -23.9%            | 21,509,453    | -8.1%             |
| - Generated by Solar  | KWH           | September 21 | 3,317,689      | -9.8%             | 29,478,464    | 0.0%              |
| - Generated by Hydro and Wind   | KWH           | September 21 | -              | N/A               | -             | N/A               |
| Electricity Purchased from Independent Power Plant                          | KWH           | September 21 | 288,250,931    | 5.7%              | 2,405,283,665 | 2.4%              |
| Electricity Used by Electric Utility Stations                               | KWH           | September 21 | 18,594,561     | -2.7%             | 169,479,066   | 1.6%              |
| <b>Fuel Oil Used by Utility Companies</b>                                   |               |              |                |                   |               |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | 431,305        | -7.7%             | 3,881,464     | -2.2%             |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 38,562,254     | 48.3%             | 294,318,489   | 20.2%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 89.41          | 60.6%             | 75.83         | 22.9%             |
| Month-end price per barrel  | Dollars       | September 21 | 88.76          | 52.4%             | 78.39         | 33.1%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.160          | 60.0%             | 0.132         | 22.7%             |
| <b>Diesel Oil Used by Utility Companies</b>                                 |               |              |                |                   |               |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | 47,385         | 156.9%            | 243,912       | 7.4%              |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 4,066,063      | 270.1%            | 18,364,134    | 3.9%              |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 85.81          | 44.0%             | 75.29         | -3.3%             |
| Month-end price per barrel  | Dollars       | September 21 | 86.08          | 53.0%             | 74.70         | 10.7%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.240          | 26.3%             | 0.216         | -7.2%             |
| <b>Biodiesel Oil Used by Utility Companies</b>                              |               |              |                |                   |               |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | 3,782          | -23.3%            | 33,741        | -7.7%             |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 482,980        | -41.1%            | -5,700,636    | -196.7%           |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 127.70         | -23.2%            | -168.95       | -204.8%           |
| Month-end price per barrel  | Dollars       | September 21 | 129.24         | -19.4%            | 18.71         | -87.9%            |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.220          | -21.4%            | -0.286        | -205.3%           |
| <b>Energy Cost Adjustment Factor</b>  |               |              |                |                   |               |                   |
| Schedules R, G, J, DS, P, F, U, TOU-R, TOU-G, TOU-J, SS, TOU-EV, EV-R, EV-C | \$/KWH        | December 21  | 0.16061        | 51.2%             | 0.13642       | 16.9%             |

Source:  
NYMEX WTI Prices, New York Mercantile Exchange  
Europe Brent Spot Price FOB, US Department of Energy, Energy Information Administration  
Foreign Imports, US Department of Energy, Energy Information Administration  
Gasoline and Diesel Prices, American Automobile Association  
Fuel Surcharges, Matson Navigation Company  
Liquid Fuel Tax Base, Hawaii State Department of Taxation. (Note the Hawaii State Department of Taxation data is lagged one month)  
Registered Vehicles, City and County Honolulu  
Electric Utility Data, Hawaii Electric Company, Inc., Maui Electric Company, Ltd., and Kauai Island Utility Cooperative, Monthly Financial Reports and compiled by Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division.

| Monthly Energy Trend: Maui<br>Month of Dec - 2021                             |               |              |                |                   |              |                   |
|---|---------------|--------------|----------------|-------------------|--------------|-------------------|
| Series  | Unit          | Month        | Current Period |                   | Year-to-Date |                   |
|   |               |              | Number         | % Change Year Ago | Number       | % Change Year Ago |
| <b>Gasoline and Diesel Prices (Wailuku Only)</b>                              |               |              |                |                   |              |                   |
| Gasoline - Regular  | \$ per Gallon | December 21  | 4.520          | 29.2%             | 3.988        | 12.1%             |
| Gasoline - Mid Grade  | \$ per Gallon | December 21  | 4.706          | 27.3%             | 4.161        | 10.5%             |
| Gasoline - Premium  | \$ per Gallon | December 21  | 4.887          | 26.0%             | 4.364        | 11.9%             |
| Diesel  | \$ per Gallon | December 21  | 4.808          | 19.2%             | 4.428        | 9.8%              |
| <b>Foreign Imports</b>  |               |              |                |                   |              |                   |
| Crude Oil   | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Distillate  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Residual Fuel Oil   | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Propane   | 1000 Barrels  | October 21   | 17             | 112.5%            | 259          | 91.9%             |
| Fuel Ethanol  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Other Refined Petroleum Products  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| <b>Liquid Fuel Tax Base</b>   |               |              |                |                   |              |                   |
| Gasoline  | Gallons       | October 21   | 5,238,130      | 30.5%             | 51,657,583   | 26.5%             |
| Diesel Oil (non-hwy)  | Gallons       | October 21   | 4,531,910      | -18.0%            | 42,378,381   | 14.2%             |
| Diesel Oil (hwy use)  | Gallons       | October 21   | 486,260        | 15.2%             | 4,599,535    | 12.5%             |
| LPG (off hwy)   | Gallons       |              |                |                   |              |                   |
| LPG (hwy use)   | Gallons       | October 21   | -              | N/A               | 53           | 560.7%            |
| Small Boat (gas)  | Gallons       | October 21   | 6,090          | 64.4%             | 44,484       | -8.7%             |
| Small Boat (diesel)   | Gallons       | October 21   | -              | N/A               | -            | N/A               |
| Aviation Fuel   | Gallons       | October 21   | 8,230,415      | 627.9%            | 77,818,021   | 198.1%            |
| Other Fuel  | Gallons       | October 21   | 23,032         | 3.5%              | 186,572      | -15.8%            |
| Agricultural Refund   | Gallons       | October 21   | 12,611         | 3.9%              | 76,445       | -24.3%            |
| <b>Registered Vehicles, Taxable</b>   |               |              |                |                   |              |                   |
| Passenger, Electric   | Vehicle       | December 21  | 2,032          | 28.0%             | 1,796        | 22.0%             |
| Passenger, Diesel   | Vehicle       | December 21  | 1,357          | 0.4%              | 1,346        | -2.4%             |
| Passenger, Gasoline   | Vehicle       | December 21  | 154,511        | -1.2%             | 155,184      | -3.4%             |
| Passenger, Hybrid   | Vehicle       | December 21  | 3,193          | -2.7%             | 3,310        | -3.3%             |
| Passenger, Misc Fuel  | Vehicle       | December 21  | 115            | -47.5%            | 202          | -26.0%            |
| Freight, Electric   | Vehicle       | December 21  | -              | N/A               | -            | N/A               |
| Freight, Diesel   | Vehicle       | December 21  | 3,685          | 0.7%              | 3,650        | -0.3%             |
| Freight, Gasoline   | Vehicle       | December 21  | 6,758          | 2.6%              | 6,672        | 0.9%              |
| Freight, Hybrid   | Vehicle       | December 21  | 2              | -33.3%            | 2            | -22.2%            |
| Freight, Misc Fuel  | Vehicle       | December 21  | 5              | -16.7%            | 5            | -14.3%            |
| <b>Electricity Production and Sale by Utility Companies</b>                   |               |              |                |                   |              |                   |
| <b>Electricity Consumers</b>  |               |              |                |                   |              |                   |
| All Sectors   | Consumers     | September 21 | 68,657         | 0.9%              | 68,516       | 1.0%              |
| Residential   | Consumers     | September 21 | 58,849         | 1.0%              | 58,751       | 1.2%              |
| Commercial  | Consumers     | September 21 | 9,604          | 0.9%              | 9,560        | -0.1%             |
| Street Lights   | Consumers     | September 21 | 204            | -3.3%             | 204          | -3.9%             |
| <b>Electric Meters</b>  |               |              |                |                   |              |                   |
| All Sectors   | Meters        | September 21 | 68,443         | 1.0%              | 68,303       | 1.0%              |
| Residential   | Meters        | September 21 | 58,850         | 1.0%              | 58,753       | 1.2%              |
| Commercial  | Meters        | September 21 | 9,582          | 0.9%              | 9,539        | -0.1%             |
| Street Lights   | Meters        | September 21 | 11             | 0.0%              | 11           | 0.0%              |
| <b>Electricity Sale (KWH Sold)</b>  |               |              |                |                   |              |                   |
| All Sectors   | KWH           | September 21 | 83,893,273     | 15.4%             | 726,894,529  | 11.0%             |
| Residential   | KWH           | September 21 | 30,924,759     | 5.4%              | 280,553,639  | 8.2%              |
| Commercial  | KWH           | September 21 | 52,592,808     | 22.3%             | 442,912,238  | 13.1%             |
| Street Lights   | KWH           | September 21 | 375,706        | 8.7%              | 3,428,652    | -5.0%             |
| <b>Net Revenue of Utility Companies</b>                                       |               |              |                |                   |              |                   |
| All Sectors   | Dollars       | September 21 | 29,768,969     | 20.9%             | 246,043,315  | 10.2%             |
| Residential   | Dollars       | September 21 | 11,424,840     | 13.2%             | 97,285,700   | 8.8%              |
| Commercial  | Dollars       | September 21 | 18,219,063     | 26.4%             | 147,681,206  | 11.3%             |
| Street Lights   | Dollars       | September 21 | 125,066        | 14.1%             | 1,076,409    | -5.2%             |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                   |               |              |                |                   |              |                   |
| All Sectors   | Cents/KWh     | September 21 | 35.48          | 4.8%              | 33.85        | -0.8%             |
| Residential   | Cents/KWh     | September 21 | 36.94          | 7.4%              | 34.68        | 0.5%              |
| Commercial  | Cents/KWh     | September 21 | 34.64          | 3.3%              | 33.34        | -1.6%             |
| Street Lights   | Cents/KWh     | September 21 | 33.29          | 4.9%              | 31.39        | -0.3%             |
| <b>Electricity Production</b>   |               |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                      | KWH           | September 21 | 89,365,521     | 16.3%             | 767,795,537  | 11.6%             |
| Electricity Generated at the Electric Utility Stations                        | KWH           | September 21 | 64,881,861     | 14.9%             | 574,459,753  | 13.1%             |
| - Generated by Steam  | KWH           | September 21 | 13,187,734     | 53.6%             | 103,090,182  | 3.9%              |
| - Generated by Diesel   | KWH           | September 21 | 51,694,127     | 8.0%              | 471,369,571  | 15.3%             |
| - Generated by Hydro and Wind   | KWH           | September 21 | -              | N/A               | -            | N/A               |
| Electricity Purchased from Independent Power Plant                            | KWH           | September 21 | 27,628,107     | 18.4%             | 220,214,330  | 7.0%              |
| Electricity Used by Electric Utility Stations                                 | KWH           | September 21 | 3,144,447      | 8.0%              | 26,878,546   | 2.9%              |
| <b>Fuel Oil Used by Utility Companies</b>                                     |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | 29,686         | 48.2%             | 233,539      | 2.1%              |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 2,238,176      | 139.3%            | 15,283,996   | 23.8%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 75.40          | 61.4%             | 65.45        | 21.2%             |
| Month-end price per barrel  | Dollars       | September 21 | 76.04          | 61.3%             | 68.25        | 32.7%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.170          | 54.5%             | 0.148        | 20.9%             |
| <b>Diesel Oil Used by Utility Companies</b>                                   |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | 80,743         | 6.7%              | 737,540      | 15.4%             |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 7,687,510      | 64.3%             | 58,766,994   | 21.4%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 95.21          | 54.0%             | 79.68        | 5.2%              |
| Month-end price per barrel  | Dollars       | September 21 | 92.66          | 50.1%             | 82.83        | 15.5%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.150          | 50.0%             | 0.123        | 4.7%              |
| <b>Biodiesel Oil Used by Utility Companies</b>                                |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed  | Dollars       | September 21 | -              | N/A               | -            | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | -              | N/A               | -            | N/A               |
| Month-end price per barrel  | Dollars       | September 21 | -              | N/A               | -            | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | -              | N/A               | -            | N/A               |
| <b>Energy Cost Adjustment Factor</b>  |               |              |                |                   |              |                   |
| Schedules R, G, J, H, P, F, U, TOU-R, TOU-G, TOU-J, TOU-P, TOU-EV, EV-R, EV-C | \$/KWH        | December 21  | 0.17109        | 14.6%             | 0.17359      | 12.5%             |

Source:  
 NYMEX WTI Prices, New York Mercantile Exchange  
 Europe Brent Spot Price FOB, US Department of Energy, Energy Information Administration  
 Foreign Imports, US Department of Energy, Energy Information Administration  
 Gasoline and Diesel Prices, American Automobile Association  
 Fuel Surcharges, Matson Navigation Company  
 Liquid Fuel Tax Base, Hawaii State Department of Taxation. (Note the Hawaii State Department of Taxation data is lagged one month)  
 Registered Vehicles, City and County Honolulu  
 Electric Utility Data, Hawaii Electric Company, Inc., Hawaii Electric Light Co., Inc., Maui Electric Company, Ltd., and Kauai Island Utility Cooperative, Monthly Financial Reports and compiled by Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division.



| Monthly Energy Trend: Lanai<br>Month of Dec - 2021                            |            |              |                |                   |              |                   |
|---|------------|--------------|----------------|-------------------|--------------|-------------------|
| Series  | Unit       | Month        | Current Period |                   | Year-to-Date |                   |
|   |            |              | Number         | % Change Year Ago | Number       | % Change Year Ago |
| Electricity Production and Sale by Utility Companies                          |            |              |                |                   |              |                   |
| Electricity Consumers   |            |              |                |                   |              |                   |
| All Sectors   | Consumers  | September 21 | 1,752          | 0.5%              | 1,749        | 0.2%              |
| Residential   | Consumers  | September 21 | 1,497          | 0.5%              | 1,494        | 0.2%              |
| Commercial  | Consumers  | September 21 | 251            | 0.4%              | 251          | 0.2%              |
| Street Lights   | Consumers  | September 21 | 4              | 0.0%              | 4            | 0.0%              |
| Electric Meters   |            |              |                |                   |              |                   |
| All Sectors   | Meters     | September 21 | 1,755          | 0.5%              | 1,752        | 0.2%              |
| Residential   | Meters     | September 21 | 1,497          | 0.5%              | 1,494        | 0.2%              |
| Commercial  | Meters     | September 21 | 257            | 0.4%              | 257          | 0.2%              |
| Street Lights   | Meters     | September 21 | 1              | 0.0%              | 1            | 0.0%              |
| Electricity Sale (KWH Sold)   |            |              |                |                   |              |                   |
| All Sectors   | KWH        | September 21 | 2,876,529      | 20.0%             | 25,927,805   | 12.5%             |
| Residential   | KWH        | September 21 | 712,718        | 5.2%              | 6,559,220    | 5.8%              |
| Commercial  | KWH        | September 21 | 2,153,353      | 26.0%             | 19,273,725   | 15.0%             |
| Street Lights   | KWH        | September 21 | 10,458         | 0.2%              | 94,860       | 0.0%              |
| Net Revenue of Utility Companies  |            |              |                |                   |              |                   |
| All Sectors   | Dollars    | September 21 | 1,237,020      | 44.6%             | 10,553,114   | 20.9%             |
| Residential   | Dollars    | September 21 | 307,078        | 29.6%             | 2,657,227    | 15.6%             |
| Commercial  | Dollars    | September 21 | 925,485        | 50.5%             | 7,857,724    | 22.9%             |
| Street Lights   | Dollars    | September 21 | 4,457          | 23.0%             | 38,163       | 9.5%              |
| Electricity Retail Prices (Net Revenue per KWH Sold)                          |            |              |                |                   |              |                   |
| All Sectors   | Cents/KWh  | September 21 | 43.00          | 20.5%             | 40.70        | 7.5%              |
| Residential   | Cents/KWh  | September 21 | 43.09          | 23.2%             | 40.51        | 9.3%              |
| Commercial  | Cents/KWh  | September 21 | 42.98          | 19.4%             | 40.77        | 6.8%              |
| Street Lights   | Cents/KWh  | September 21 | 42.62          | 22.8%             | 40.23        | 9.5%              |
| Electricity Production  |            |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                      | KWH        | September 21 | 3,046,644      | 18.6%             | 27,231,240   | 12.0%             |
| Electricity Generated at the Electric Utility Stations                        | KWH        | September 21 | 3,082,080      | 19.9%             | 27,261,760   | 12.3%             |
| - Generated by Steam  | KWH        | September 21 | -              | N/A               | -            | N/A               |
| - Generated by Diesel   | KWH        | September 21 | 3,082,080      | 19.9%             | 27,261,760   | 12.3%             |
| - Generated by Hydro and Wind   | KWH        | September 21 | -              | N/A               | -            | N/A               |
| Electricity Purchased from Independent Power Plant                            | KWH        | September 21 | 42,683         | -35.0%            | 647,078      | -10.2%            |
| Electricity Used by Electric Utility Stations                                 | KWH        | September 21 | 78,119         | 13.1%             | 732,708      | 4.9%              |
| Fuel Oil Used by Utility Companies  |            |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels    | September 21 | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed  | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel  | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh | September 21 | 0              | N/A               | N/A          | N/A               |
| Diesel Oil Used by Utility Companies  |            |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels    | September 21 | 5,445          | 23.2%             | 47,492       | 14.1%             |
| Total Cost of Oil Consumed  | Dollars    | September 21 | 683,202        | 78.4%             | 5,484,946    | 35.8%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars    | September 21 | 125.47         | 44.8%             | 115.49       | 19.0%             |
| Month-end price per barrel  | Dollars    | September 21 | 120.15         | 37.7%             | 117.63       | 24.2%             |
| Cost of Oil/KWH Generated   | Dollar/KWh | September 21 | 0.220          | 46.7%             | 0.201        | 20.7%             |
| Biodiesel Oil Used by Utility Companies                                       |            |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels    | September 21 | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed  | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel  | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh | September 21 | 0              | N/A               | N/A          | N/A               |
| Energy Cost Adjustment Factor   |            |              |                |                   |              |                   |
| Schedules R, G, J, H, P, F, U, TOU-R, TOU-G, TOU-J, TOU-P, TOU EV, EV-R, EV-C | \$/KWH     | December 21  | 0.29254        | 63.7%             | 0.24374      | 25.5%             |

Source:  
 NYMEX WTI Prices, New York Mercantile Exchange  
 Europe Brent Spot Price FOB, US Department of Energy, Energy Information Administration  
 Foreign Imports, US Department of Energy, Energy Information Administration  
 Gasoline and Diesel Prices, American Automobile Association  
 Fuel Surcharges, Matson Navigation Company  
 Liquid Fuel Tax Base, Hawaii State Department of Taxation. (Note the Hawaii State Department of Taxation data is lagged one month)  
 Registered Vehicles, City and County Honolulu  
 Electric Utility Data, Hawaii Electric Company, Inc., Hawaii Electric Light Co., Inc., Maui Electric Company, Ltd., and Kauai Island Utility Cooperative, Monthly Financial Reports and compiled by Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division.

| Monthly Energy Trend: Molokai<br>Month of Dec - 2021                       |            |              |                |                   |              |                   |
|--|------------|--------------|----------------|-------------------|--------------|-------------------|
| Series   | Unit       | Month        | Current Period |                   | Year-to-Date |                   |
|  |            |              | Number         | % Change Year Ago | Number       | % Change Year Ago |
| <b>Electricity Production and Sale by Utility Companies</b>                |            |              |                |                   |              |                   |
| <b>Electricity Consumers</b>   |            |              |                |                   |              |                   |
| All Sectors  | Consumers  | September 21 | 3,266          | 0.1%              | 3,270        | 0.5%              |
| Residential  | Consumers  | September 21 | 2,717          | 0.1%              | 2,721        | 0.5%              |
| Commercial   | Consumers  | September 21 | 540            | 0.0%              | 540          | 0.6%              |
| Street Lights  | Consumers  | September 21 | 9              | 0.0%              | 9            | -1.2%             |
| <b>Electric Meters</b>   |            |              |                |                   |              |                   |
| All Sectors  | Meters     | September 21 | 3,252          | 0.1%              | 3,256        | 0.5%              |
| Residential  | Meters     | September 21 | 2,717          | 0.1%              | 2,722        | 0.5%              |
| Commercial   | Meters     | September 21 | 535            | 0.0%              | 535          | 0.6%              |
| Street Lights  | Meters     | September 21 | -              | N/A               | -            | N/A               |
| <b>Electricity Sale (KWH Sold)</b>   |            |              |                |                   |              |                   |
| All Sectors  | KWH        | September 21 | 2,486,783      | -4.1%             | 21,567,200   | 0.1%              |
| Residential  | KWH        | September 21 | 993,169        | 2.5%              | 8,541,186    | 2.8%              |
| Commercial   | KWH        | September 21 | 1,459,012      | -7.6%             | 12,697,196   | -0.9%             |
| Street Lights  | KWH        | September 21 | 34,602         | -25.1%            | 328,818      | -21.3%            |
| <b>Net Revenue of Utility Companies</b>                                    |            |              |                |                   |              |                   |
| All Sectors  | Dollars    | September 21 | 970,760        | 12.5%             | 8,046,465    | 4.4%              |
| Residential  | Dollars    | September 21 | 398,812        | 17.8%             | 3,273,481    | 7.2%              |
| Commercial   | Dollars    | September 21 | 558,879        | 9.7%              | 4,655,757    | 3.3%              |
| Street Lights  | Dollars    | September 21 | 13,069         | -13.3%            | 117,227      | -18.9%            |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                |            |              |                |                   |              |                   |
| All Sectors  | Cents/KWh  | September 21 | 39.04          | 17.3%             | 37.31        | 4.3%              |
| Residential  | Cents/KWh  | September 21 | 40.16          | 14.9%             | 38.33        | 4.3%              |
| Commercial   | Cents/KWh  | September 21 | 38.31          | 18.7%             | 36.67        | 4.2%              |
| Street Lights  | Cents/KWh  | September 21 | 37.77          | 15.8%             | 35.65        | 3.0%              |
| <b>Electricity Production</b>  |            |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                   | KWH        | September 21 | 2,758,806      | -2.6%             | 23,575,224   | -0.2%             |
| Electricity Generated at the Electric Utility Stations                     | KWH        | September 21 | 2,861,700      | -2.4%             | 24,530,140   | -0.2%             |
| - Generated by Steam   | KWH        | September 21 | -              | N/A               | -            | N/A               |
| - Generated by Diesel  | KWH        | September 21 | 2,861,700      | -2.4%             | 24,530,140   | -0.2%             |
| - Generated by Hydro and Wind  | KWH        | September 21 | -              | N/A               | -            | N/A               |
| Electricity Purchased from Independent Power Plant                         | KWH        | September 21 | 476            | 1.5%              | 4,447        | 9.4%              |
| Electricity Used by Electric Utility Stations                              | KWH        | September 21 | 103,370        | 4.5%              | 959,360      | 1.2%              |
| <b>Fuel Oil Used by Utility Companies</b>                                  |            |              |                |                   |              |                   |
| Barrels of Oil Consumed  | Barrels    | September 21 | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed   | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed   | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel   | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated  | Dollar/KWh | September 21 | 0              | N/A               | N/A          | N/A               |
| <b>Diesel Oil Used by Utility Companies</b>                                |            |              |                |                   |              |                   |
| Barrels of Oil Consumed  | Barrels    | September 21 | 4,924          | -3.5%             | 42,128       | 1.2%              |
| Total Cost of Oil Consumed   | Dollars    | September 21 | 459,842        | 31.0%             | 3,552,008    | 10.8%             |
| Ave Cost/Bbl of Oil Consumed   | Dollars    | September 21 | 93.39          | 35.8%             | 84.31        | 9.5%              |
| Month-end price per barrel   | Dollars    | September 21 | 97.53          | 89.5%             | 87.24        | 15.0%             |
| Cost of Oil/KWH Generated  | Dollar/KWh | September 21 | 0.160          | 33.3%             | 0.142        | 7.6%              |
| <b>Biodiesel Oil Used by Utility Companies</b>                             |            |              |                |                   |              |                   |
| Barrels of Oil Consumed  | Barrels    | September 21 | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed   | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed   | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel   | Dollars    | September 21 | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated  | Dollar/KWh | September 21 | 0              | N/A               | N/A          | N/A               |
| <b>Energy Cost Adjustment Factor</b>                                       |            |              |                |                   |              |                   |
| Schedules R, G, J, H, P, F, TOU-R, TOU-G, TOU-J, TOU-P, TOU-EV, EV-R, EV-C | \$/KWH     | December 21  | 0.20186        | 51.4%             | 0.18289      | 17.0%             |

Source:  
 NYMEX WTI Prices, New York Mercantile Exchange  
 Europe Brent Spot Price FOB, US Department of Energy, Energy Information Administration  
 Foreign Imports, US Department of Energy, Energy Information Administration  
 Gasoline and Diesel Prices, American Automobile Association  
 Fuel Surcharges, Matson Navigation Company  
 Liquid Fuel Tax Base, Hawaii State Department of Taxation. (Note the Hawaii State Department of Taxation data is lagged one month)  
 Registered Vehicles, City and County Honolulu  
 Electric Utility Data, Hawaii Electric Company, Inc., Hawaii Electric Light Co., Inc., Maui Electric Company, Ltd., and Kauai Island Utility Cooperative, Monthly Financial Reports and compiled by Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division.

| Monthly Energy Trend: Hawaii  |               |              |                |                   |              |                   |
|---|---------------|--------------|----------------|-------------------|--------------|-------------------|
| Month of Dec - 2021   |               |              |                |                   |              |                   |
| Series  | Unit          | Month        | Current Period |                   | Year-to-Date |                   |
|   |               |              | Number         | % Change Year Ago | Number       | % Change Year Ago |
| Gasoline and Diesel Prices (Hilo only)  |               |              |                |                   |              |                   |
| Gasoline - Regular  | \$ per Gallon | December 21  | 4.346          | 24.5%             | 3.995        | 13.1%             |
| Gasoline - Mid Grade  | \$ per Gallon | December 21  | 4.538          | 23.1%             | 4.194        | 12.6%             |
| Gasoline - Premium  | \$ per Gallon | December 21  | 4.858          | 23.1%             | 4.464        | 11.8%             |
| Diesel  | \$ per Gallon | December 21  | 4.632          | 12.1%             | 4.363        | 5.4%              |
| Foreign Imports   |               |              |                |                   |              |                   |
| Crude Oil   | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Distillate  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Residual Fuel Oil   | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Propane   | 1000 Barrels  | October 21   | 10             | -23.1%            | 222          | 26.1%             |
| Fuel Ethanol  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Other Refined Petroleum Products  | 1000 Barrels  | October 21   | -              | N/A               | -            | N/A               |
| Liquid Fuel Tax Base  |               |              |                |                   |              |                   |
| Gasoline  | Gallons       | October 21   | 6,733,602      | 20.3%             | 64,611,933   | 14.4%             |
| Diesel Oil (non-hwy)  | Gallons       | October 21   | 2,540,862      | -17.9%            | 26,410,323   | -7.9%             |
| Diesel Oil (hwy use)  | Gallons       | October 21   | 1,061,901      | 8.3%              | 11,587,763   | 27.4%             |
| LPG (off hwy)   | Gallons       |              |                |                   |              |                   |
| LPG (hwy use)   | Gallons       | October 21   | 49             | -87.6%            | 890          | -55.7%            |
| Small Boat (gas)  | Gallons       | October 21   | 28,151         | 34.4%             | 282,901      | 20.7%             |
| Small Boat (diesel)   | Gallons       | October 21   | -              | N/A               | -            | N/A               |
| Aviation Fuel   | Gallons       | October 21   | 4,256,669      | 61.1%             | 39,863,234   | 94.7%             |
| Other Fuel  | Gallons       | October 21   | 817,231        | -53.1%            | 10,542,318   | -10.2%            |
| Agricultural Refund   | Gallons       | October 21   | 12,619         | 46.3%             | 78,153       | -1.8%             |
| Registered Vehicles, Taxable  |               |              |                |                   |              |                   |
| Passenger, Electric   | Vehicle       | December 21  | 1,243          | 38.1%             | 1,068        | 32.0%             |
| Passenger, Diesel   | Vehicle       | December 21  | 2,799          | 0.1%              | 2,778        | -2.5%             |
| Passenger, Gasoline   | Vehicle       | December 21  | 177,947        | -0.6%             | 177,879      | -1.8%             |
| Passenger, Hybrid   | Vehicle       | December 21  | 3,018          | 3.3%              | 2,956        | -0.8%             |
| Passenger, Misc Fuel  | Vehicle       | December 21  | 45             | -4.3%             | 48           | -68.5%            |
| Freight, Electric   | Vehicle       | December 21  | -              | N/A               | -            | N/A               |
| Freight, Diesel   | Vehicle       | December 21  | 7,054          | 1.8%              | 6,974        | 1.0%              |
| Freight, Gasoline   | Vehicle       | December 21  | 7,101          | 1.7%              | 7,013        | -2.4%             |
| Freight, Hybrid   | Vehicle       | December 21  | 4              | 0.0%              | 4            | 30.0%             |
| Freight, Misc Fuel  | Vehicle       | December 21  | 3              | -25.0%            | 3            | -22.0%            |
| Electricity Production and Sale by Utility Companies                          |               |              |                |                   |              |                   |
| Electricity Consumers   |               |              |                |                   |              |                   |
| All Sectors   | Consumers     | September 21 | 87,962         | 0.9%              | 87,637       | 0.8%              |
| Residential   | Consumers     | September 21 | 76,459         | 0.9%              | 76,185       | 0.9%              |
| Commercial  | Consumers     | September 21 | 11,338         | 0.8%              | 11,288       | 0.3%              |
| Street Lights   | Consumers     | September 21 | 165            | 0.0%              | 164          | -0.8%             |
| Electric Meters   |               |              |                |                   |              |                   |
| All Sectors   | Meters        | September 21 | 87,583         | 0.9%              | 87,261       | 0.8%              |
| Residential   | Meters        | September 21 | 76,459         | 0.9%              | 76,185       | 0.9%              |
| Commercial  | Meters        | September 21 | 11,086         | 0.7%              | 11,037       | 0.1%              |
| Street Lights   | Meters        | September 21 | 38             | 0.0%              | 38           | 0.0%              |
| Electricity Sale (KWH Sold)   |               |              |                |                   |              |                   |
| All Sectors   | KWH           | September 21 | 86,386,471     | 7.7%              | 773,770,848  | 7.4%              |
| Residential   | KWH           | September 21 | 35,139,473     | 5.3%              | 328,922,533  | 9.5%              |
| Commercial  | KWH           | September 21 | 51,042,260     | 9.4%              | 443,027,436  | 5.9%              |
| Street Lights   | KWH           | September 21 | 204,738        | 4.2%              | 1,820,879    | 2.4%              |
| Net Revenue of Utility Companies  |               |              |                |                   |              |                   |
| All Sectors   | Dollars       | September 21 | 32,432,779     | 19.7%             | 273,136,649  | 11.0%             |
| Residential   | Dollars       | September 21 | 14,108,975     | 18.5%             | 122,343,254  | 14.1%             |
| Commercial  | Dollars       | September 21 | 18,245,988     | 20.7%             | 150,143,811  | 8.6%              |
| Street Lights   | Dollars       | September 21 | 77,816         | 10.2%             | 649,584      | 1.2%              |
| Electricity Retail Prices (Net Revenue per KWH Sold)                          |               |              |                |                   |              |                   |
| All Sectors   | Cents/KWh     | September 21 | 37.54          | 11.2%             | 35.30        | 3.3%              |
| Residential   | Cents/KWh     | September 21 | 40.15          | 12.6%             | 37.20        | 4.1%              |
| Commercial  | Cents/KWh     | September 21 | 35.75          | 10.3%             | 33.89        | 2.6%              |
| Street Lights   | Cents/KWh     | September 21 | 38.01          | 5.8%              | 35.67        | -1.2%             |
| Electricity Production  |               |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                      | KWH           | September 21 | 92,644,159     | 8.1%              | 823,383,637  | 7.3%              |
| Electricity Generated at the Electric Utility Stations                        | KWH           | September 21 | 32,993,622     | -39.1%            | 410,274,318  | -16.6%            |
| - Generated by Steam  | KWH           | September 21 | 15,949,588     | 5.9%              | 142,080,524  | -16.1%            |
| - Generated by Diesel   | KWH           | September 21 | 16,309,034     | -58.1%            | 261,380,564  | -17.7%            |
| - Generated by Hydro and Wind   | KWH           | September 21 | 735,000        | 430.3%            | 6,813,230    | 33.1%             |
| Electricity Purchased from Independent Power Plant                            | KWH           | September 21 | 61,298,546     | 80.7%             | 433,778,396  | 45.7%             |
| Electricity Used by Electric Utility Stations                                 | KWH           | September 21 | 1,648,009      | -31.2%            | 20,669,077   | -6.9%             |
| Fuel Oil Used by Utility Companies  |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | 32,874         | 1.3%              | 296,361      | -14.4%            |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 2,674,256      | 72.6%             | 20,545,073   | 9.1%              |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 81.35          | 70.3%             | 69.32        | 27.5%             |
| Month-end price per barrel  | Dollars       | September 21 | 80.79          | 65.0%             | 68.87        | 25.7%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.170          | 70.0%             | 0.146        | 29.7%             |
| Diesel Oil Used by Utility Companies  |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | September 21 | 34,045         | -47.4%            | 452,033      | -12.3%            |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 3,341,718      | -21.7%            | 36,630,645   | -0.7%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 98.16          | 48.9%             | 81.04        | 13.1%             |
| Month-end price per barrel  | Dollars       | September 21 | 95.02          | 51.8%             | 78.87        | 13.8%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.200          | 53.8%             | 0.167        | 17.2%             |
| Biodiesel Oil Used by Utility Companies                                       |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | September-21 | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed  | Dollars       | September 21 | 0              | N/A               | 0            | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | September 21 | 0.00           | N/A               | 0.00         | N/A               |
| Month-end price per barrel  | Dollars       | September 21 | 0.00           | N/A               | 0.00         | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh    | September 21 | 0.000          | N/A               | 0.000        | N/A               |
| Energy Cost Adjustment Factor   |               |              |                |                   |              |                   |
| Schedules R, G, J, H, P, F, U, TOU-R, TOU-G, TOU-J, TOU-P, TOU EV, EV-R, EV-C | \$/KWH        | December 21  | 0.20549        | 57.7%             | 0.17048      | 20.2%             |

Source:  
 NYMEX WTI Prices, New York Mercantile Exchange  
 Europe Brent Spot Price FOB, US Department of Energy, Energy Information Administration  
 Foreign Imports, US Department of Energy, Energy Information Administration  
 Gasoline and Diesel Prices, American Automobile Association  
 Fuel Surcharges, Matson Navigation Company  
 Liquid Fuel Tax Base, Hawaii State Department of Taxation. (Note the Hawaii State Department of Taxation data is lagged one month)  
 Registered Vehicles, City and County Honolulu  
 Electric Utility Data, Hawaii Electric Company, Inc., Hawaii Electric Light Co., Inc., Maui Electric Company, Ltd., and Kauai Island Utility Cooperative, Monthly Financial Reports and compiled by Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division.



| Monthly Energy Trend: Kauai<br>Month of Dec - 2021          |               |             |                |                   |              |                   |
|---|---------------|-------------|----------------|-------------------|--------------|-------------------|
| Series  | Unit          | Month       | Current Period |                   | Year-to-Date |                   |
|   |               |             | Number         | % Change Year Ago | Number       | % Change Year Ago |
| <b>Gasoline and Diesel Prices</b>                           |               |             |                |                   |              |                   |
| Gasoline - Regular  | \$ per Gallon | December-21 | 4.630          | 28.0%             | 4.160        | 14.3%             |
| Gasoline - Mid Grade  | \$ per Gallon | December-21 | 4.882          | 26.8%             | 4.368        | 12.1%             |
| Gasoline - Premium  | \$ per Gallon | December-21 | 4.981          | 27.3%             | 4.509        | 14.2%             |
| Diesel  | \$ per Gallon | December-21 | 5.071          | 18.8%             | 4.672        | 9.9%              |
| <b>Foreign Imports</b>                                      |               |             |                |                   |              |                   |
| Crude Oil   | 1000 Barrels  | October-21  | -              | N/A               | -            | N/A               |
| Distillate  | 1000 Barrels  | October-21  | -              | N/A               | -            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | October-21  | -              | N/A               | -            | N/A               |
| Residual Fuel Oil   | 1000 Barrels  | October-21  | -              | N/A               | -            | N/A               |
| Propane   | 1000 Barrels  | October-21  | 5              | N/A               | 146          | 41.7%             |
| Fuel Ethanol  | 1000 Barrels  | October-21  | -              | N/A               | -            | N/A               |
| Other Refined Petroleum Products                            | 1000 Barrels  | October-21  | -              | N/A               | 11           | N/A               |
| <b>Liquid Fuel Tax Base</b>                                 |               |             |                |                   |              |                   |
| Gasoline  | Gallons       | October 21  | 2,375,889      | 26.0%             | 22,515,048   | 16.6%             |
| Diesel Oil (non-hwy)  | Gallons       | October 21  | 573,535        | 178.3%            | 4,410,860    | 93.2%             |
| Diesel Oil (hwy use)  | Gallons       | October 21  | 250,093        | 6.6%              | 2,630,612    | 11.6%             |
| LPG (off hwy)   | Gallons       |             |                |                   |              |                   |
| LPG (hwy use)   | Gallons       | October 21  | 31             | N/A               | 350          | -25.8%            |
| Small Boat (gas)  | Gallons       | October 21  | -              | N/A               | -            | N/A               |
| Small Boat (diesel)   | Gallons       | October 21  | -              | N/A               | -            | N/A               |
| Aviation Fuel   | Gallons       | October 21  | 2,335,017      | 538.5%            | 15,746,297   | 85.5%             |
| Other Fuel  | Gallons       | October 21  | 575,610        | 440.4%            | 8,965,675    | 22.7%             |
| Agricultural Refund   | Gallons       | October 21  | 1,577          | 34.8%             | 18,605       | -53.3%            |
| <b>Registered Vehicles, Taxable</b>                         |               |             |                |                   |              |                   |
| Passenger, Electric   | Vehicle       | December-21 | 530            | 33.8%             | 464          | 27.4%             |
| Passenger, Diesel   | Vehicle       | December-21 | 902            | -1.5%             | 891          | -6.6%             |
| Passenger, Gasoline   | Vehicle       | December-21 | 73,220         | -1.8%             | 73,579       | -4.1%             |
| Passenger, Hybrid   | Vehicle       | December-21 | 1,035          | 3.1%              | 1,001        | -4.1%             |
| Passenger, Misc Fuel  | Vehicle       | December-21 | 8              | -38.5%            | 12           | -82.9%            |
| Freight, Electric   | Vehicle       | December-21 | 1              | N/A               | 1            | N/A               |
| Freight, Diesel   | Vehicle       | December-21 | 2,299          | 0.2%              | 2,304        | 0.7%              |
| Freight, Gasoline   | Vehicle       | December-21 | 2,019          | 2.6%              | 1,988        | 2.1%              |
| Freight, Hybrid   | Vehicle       | December-21 | 1              | 0.0%              | 1            | -50.0%            |
| Freight, Misc Fuel  | Vehicle       | December-21 | 1              | 0.0%              | 1            | 0.0%              |
| <b>Electricity Production and Sale by Utility Companies</b> |               |             |                |                   |              |                   |
| <b>Electricity Consumers</b>                                |               |             |                |                   |              |                   |
| All Sectors   | Consumers     | November-21 | 38,684         | 0.7%              | 38,584       | 0.9%              |
| Residential   | Consumers     | November-21 | 29,872         | 0.6%              | 29,796       | 1.0%              |
| Commercial  | Consumers     | November-21 | 5,043          | 1.5%              | 5,021        | 0.8%              |
| Street Lights   | Consumers     | November-21 | 3,769          | 0.1%              | 3,767        | 0.1%              |
| <b>Electric Meters</b>                                      |               |             |                |                   |              |                   |
| All Sectors   | Meters        | November-21 | 38,684         | 0.7%              | 38,584       | 0.9%              |
| Residential   | Meters        | November-21 | 29,872         | 0.6%              | 29,796       | 1.0%              |
| Commercial  | Meters        | November-21 | 5,043          | 1.5%              | 5,021        | 0.8%              |
| Street Lights   | Meters        | November-21 | 3,769          | 0.1%              | 3,767        | 0.1%              |
| <b>Electricity Sale (KWH Sold)</b>                          |               |             |                |                   |              |                   |
| All Sectors   | KWH           | November-21 | 36,529,397     | 4.6%              | 397,620,592  | 4.4%              |
| Residential   | KWH           | November-21 | 15,741,916     | 2.1%              | 169,891,631  | 5.0%              |
| Commercial  | KWH           | November-21 | 20,723,782     | 6.7%              | 227,024,262  | 3.9%              |
| Street Lights   | KWH           | November-21 | 63,699         | -0.8%             | 704,699      | -0.2%             |
| <b>Net Revenue of Utility Companies</b>                     |               |             |                |                   |              |                   |
| All Sectors   | Dollars       | November-21 | 13,513,380     | 16.3%             | 139,971,718  | 12.3%             |
| Residential   | Dollars       | November-21 | 6,002,895      | 14.6%             | 61,546,405   | 12.8%             |
| Commercial  | Dollars       | November-21 | 7,452,684      | 17.8%             | 77,799,043   | 12.0%             |
| Street Lights   | Dollars       | November-21 | 57,802         | 4.0%              | 626,269      | 2.6%              |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b> |               |             |                |                   |              |                   |
| All Sectors   | Cents/KWh     | November-21 | 36.99          | 11.1%             | 35.20        | 7.6%              |
| Residential   | Cents/KWh     | November-21 | 38.13          | 12.2%             | 36.23        | 7.5%              |
| Commercial  | Cents/KWh     | November-21 | 35.96          | 10.4%             | 34.27        | 7.8%              |
| Street Lights   | Cents/KWh     | November-21 | 90.74          | 4.8%              | 88.87        | 2.8%              |
| <b>Electricity Production</b>                               |               |             |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies    | KWH           | November-21 | 39,783,697     | 6.8%              | 418,594,277  | 4.3%              |
| Electricity Generated at the Electric Utility Stations      | KWH           | November-21 | 18,895,821     | 6.3%              | 171,308,021  | 1.9%              |
| - Generated by Steam  | KWH           | November-21 | -              | N/A               | -            | #DIV/0!           |
| - Generated by Diesel                                       | KWH           | November-21 | 18,548,803     | 5.0%              | 168,703,286  | 1.9%              |
| - Generated by Hydro and Wind                               | KWH           | November-21 | 347,018        | 222.4%            | 2,604,735    | 2.3%              |
| Electricity Purchased from Independent Power Plant          | KWH           | November-21 | 21,388,067     | 7.8%              | 250,955,206  | 6.5%              |
| Electricity Used by Electric Utility Stations               | KWH           | November-21 | 500,191        | 39.4%             | 3,668,950    | 44.9%             |
| <b>Fuel Oil Used by Utility Companies</b>                   |               |             |                |                   |              |                   |
| Barrels of Oil Consumed                                     | Barrels       | November-21 | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed                                  | Dollars       | November-21 | 0.00           | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | November-21 | 0.00           | N/A               | N/A          | N/A               |
| Month-end price per barrel                                  | Dollars       | November-21 | 0.00           | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated                                   | Dollar/KWH    | November-21 | 0.00           | N/A               | N/A          | N/A               |
| <b>Diesel Oil Used by Utility Companies</b>                 |               |             |                |                   |              |                   |
| Barrels of Oil Consumed                                     | Barrels       | November-21 | 31,378         | 1.4%              | 298,789      | 2.5%              |
| Total Cost of Oil Consumed                                  | Dollars       | November-21 | 3,364,559      | 69.2%             | 26,269,102   | 37.8%             |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | November-21 | 107.23         | 66.8%             | 87.92        | 34.5%             |
| Month-end price per barrel                                  | Dollars       | November-21 | 125.37         | 87.0%             | 102.13       | 40.3%             |
| Cost of Oil/KWH Generated                                   | Dollar/KWH    | November-21 | 0.181          | 61.1%             | 0.153        | 35.9%             |
| <b>Energy Cost Adjustment Factor</b>                        |               |             |                |                   |              |                   |
| Schedule D, G, J, L, P, SL                                  | \$/KWH        | December-21 | 0.01066        | -134.6%           | -0.00307     | -90.5%            |

Source:  
NYMEX WTI Prices, New York Mercantile Exchange  
Europe Brent Spot Price FOB, US Department of Energy, Energy Information Administration  
Foreign Imports, US Department of Energy, Energy Information Administration  
Gasoline and Diesel Prices, American Automobile Association  
Fuel Surcharges, Matson Navigation Company  
Liquid Fuel Tax Base, Hawaii State Department of Taxation. (Note the Hawaii State Department of Taxation data is lagged one month)  
Registered Vehicles, City and County Honolulu  
Electric Utility Data, Hawaii Electric Company, Inc., Hawaii Electric Light Co., Inc., Maui Electric Company, Ltd., and Kauai Island Utility Cooperative, Monthly Financial Reports and compiled by Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division.