



# MONTHLY ENERGY TREND HIGHLIGHTS

## SEPTEMBER 2018

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### Crude Oil Prices:

In September 2018, the crude oil price increased from the same month last year and increased from the previous month. The crude oil price at the New York Mercantile Exchange averaged \$70.08 per barrel in September 2018 which was up \$20.21 (40.5%) per barrel from the same month last year. Compared to August 2018, it was an increase of \$2.01 (2.9%) per barrel.

### Refinery Processing:

According to the most recent data available, Hawaii's refineries imported 3.0 million barrels of foreign crude oil in July 2018. This was an increase of 1.1 million barrels (55.7%) from the same month last year. Compared to June 2018, it was a decrease of 1.0 million barrels (24.8%).

### Gasoline Prices:

In September 2018, the regular gasoline price in Hawaii averaged \$3.782 per gallon, which was 93.0 cents per gallon (32.6%) higher than the national average for the same month.

Hawaii's regular gasoline price in September 2018 was an increase of 67.0 cents per gallon (21.5%) from the same month last year, and an increase of 1.2 cents per gallon (0.3%) from August 2018.

The national average price for regular gasoline in September 2018 was \$2.852 per gallon, an increase of 23.3 cents per gallon (8.9%) from the same month last year, and remained relatively unchanged from August 2018.

The average prices of regular gasoline within the State in September 2018 were as follows: Wailuku, \$4.082; Hilo, \$3.861; and Oahu, \$3.638.

### Diesel Fuel Prices:

The national average price for diesel in September 2018 was \$3.183 per gallon which was an increase of 46.9 cents (17.3%) from the same month a year ago, and an increase of 3.2 cents (1.0%) from August 2018.

Hawaii's average price for diesel in September 2018 was \$4.189 per gallon which increased 17.8 cents (4.4%) per gallon from the same month last year and increased 1.9 cents per gallon (0.5%) from August 2018. Hawaii's diesel price was \$1.006 per gallon (31.6%) higher than the national average.

In September 2018, the average prices per gallon for diesel among Hawaii's market were as follows: Hilo, \$4.263; Wailuku, \$4.244; and Oahu, \$4.149.

### **Gasoline Consumption:**

Hawaii's statewide consumption for gasoline in July 2018, as measured by the gasoline tax base, was 40.0 million gallons, which increased 0.4 million gallons (1.0%) from the same month a year ago. Gasoline in July 2018 was mainly consumed in Honolulu (61.8%), followed by Hawaii County (17.0%), Maui County (14.4%), and Kauai County (6.9%).

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

Hawaii's July 2018 consumption for highway use diesel was 4.1 million gallons, which increased 0.04 million gallons (1.1%) from the same month last year. Highway use diesel in July 2018 was mainly consumed in Honolulu (56.4%), followed by Hawaii County (24.1%), Maui County (12.4%), and Kauai County (7.0%).

### **Aviation Fuel Consumption:**

In July 2018, data from the Department of Taxation showed statewide aviation fuel consumption was 23.5 million gallons, which decreased 1.00 million gallons (4.1%) from the same month a year ago. The aviation fuel was shipped to the various counties as follows: City and County of Honolulu (33.7%), Maui County (34.5%), and Hawaii County (20.0%), and Kauai County (11.8%).

### **Registered Taxable Vehicles:**

As of September 2018, there were 1,071,301 registered passenger vehicles in the state, an increase of 12,721 vehicles (1.2%) from the same month last year and an increase of 433 vehicles (0.04%) from August 2018. The number of passenger gasoline vehicles was 1,028,796, which was 96.0% of total passenger vehicles. It represents an increase of 11,418 vehicles (1.1%) from the same period last year, and an increase of 279 vehicles (0.03%) from August 2018.

In September 2018, the number of passenger electric vehicles in the state was 7,798, an increase of 1,453 vehicles (22.9%) from the same month last year, and an increase of 148 vehicles (1.9%) from August 2018. The number of passenger hybrid vehicles in the state in this month was 25,066, accounting for 2.3% of the total passenger vehicles. It represents an increase of 1.8% from the same month last year and an increase of 0.1% from August 2018.

In September 2018, there were 48,065 registered freight gasoline vehicles, a 3.3% increase from the same period last year, and a 0.2% increase from August 2018. The number of freight diesel vehicles in September 2018 was 24,146, a 0.4% increase from the same period last year, but a 0.1% decrease from August 2018.

| Monthly Energy Trend: State                                 |               |              |                |                   |               |                   |
|---|---------------|--------------|----------------|-------------------|---------------|-------------------|
| Month of Sep - 2018   |               |              |                |                   |               |                   |
| 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 | September 18 | 70.08          | 40.5%             | 66.79         | 35.0%             |
| Europe Brent Spot Price                                     | \$ per Barrel | August 18    | 72.53          | 40.3%             | 71.34         | 39.1%             |
| <b>Gasoline and Diesel Prices</b>                           |               |              |                |                   |               |                   |
| Gasoline - Regular, National                                | \$ per Gallon | September 18 | 2.852          | 8.9%              | 2.749         | 16.6%             |
| Gasoline -Mid Grade, National                               | \$ per Gallon | September 18 | 3.146          | 9.2%              | 3.036         | 15.4%             |
| Gasoline -Premium, National                                 | \$ per Gallon | September 18 | 3.398          | 8.8%              | 3.285         | 14.3%             |
| Diesel, National  | \$ per Gallon | September 18 | 3.183          | 17.3%             | 3.078         | 21.7%             |
| Gasoline - Regular, State                                   | \$ per Gallon | September 18 | 3.782          | 21.5%             | 3.620         | 17.9%             |
| Gasoline -Mid Grade, State                                  | \$ per Gallon | September 18 | 3.917          | 20.9%             | 3.740         | 17.4%             |
| Gasoline -Premium, State                                    | \$ per Gallon | September 18 | 4.033          | 19.7%             | 3.868         | 16.7%             |
| Diesel, State   | \$ per Gallon | September 18 | 4.189          | 4.4%              | 4.124         | 2.0%              |
| <b>Fuel Surcharges</b>                                      |               |              |                |                   |               |                   |
| Matson Navigation Company                                   | Percentage    | September 18 | 36.00%         | 32.1%             | 31.56%        | 25.3%             |
| <b>Foreign Imports</b>                                      |               |              |                |                   |               |                   |
| Crude Oil   | 1000 Barrels  | July 18      | 3,040          | 55.7%             | 21,399        | 96.6%             |
| Distillate  | 1000 Barrels  | July 18      | -              | N/A               | -             | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | July 18      | 770            | 51.6%             | 4,616         | 12.4%             |
| Residual Fuel Oil   | 1000 Barrels  | July 18      | -              | N/A               | -             | N/A               |
| Propane   | 1000 Barrels  | July 18      | 55             | 37.5%             | 444           | 0.5%              |
| Fuel Ethanol  | 1000 Barrels  | July 18      | -              | N/A               | -             | N/A               |
| Other Refined Petroleum Products                            | 1000 Barrels  | July 18      | -              | -100.0%           | -             | -100.0%           |
| <b>Liquid Fuel Tax Base</b>                                 |               |              |                |                   |               |                   |
| Gasoline  | Gallons       | July 18      | 39,970,867     | 1.0%              | 270,266,989   | -0.7%             |
| Diesel Oil (non-hwy)  | Gallons       | July 18      | 11,699,135     | -5.1%             | 56,425,697    | -29.9%            |
| Diesel Oil (hwy use)  | Gallons       | July 18      | 4,095,972      | 1.1%              | 28,122,417    | 0.8%              |
| LPG (off hwy)   | Gallons       | July 18      | -              | N/A               | -             | N/A               |
| LPG (hwy use)   | Gallons       | July 18      | 72             | -82.8%            | 21,204        | 571.6%            |
| Small Boat (gas)  | Gallons       | July 18      | 145,133        | 31.8%             | 922,007       | 53.8%             |
| Small Boat (diesel)   | Gallons       | July 18      | 290,799        | 32.3%             | 1,616,956     | -23.1%            |
| Aviation Fuel   | Gallons       | July 18      | 23,547,036     | -4.1%             | 161,313,735   | 6.3%              |
| Other Fuel  | Gallons       | July 18      | 3,021,698      | 59.2%             | 16,978,136    | 16.7%             |
| Agricultural Refund   | Gallons       | July 18      | 2,664          | -87.6%            | 308,625       | 49.9%             |
| <b>Registered Vehicles, Taxable</b>                         |               |              |                |                   |               |                   |
| Passenger, Electric   | Vehicle       | September 18 | 7,798          | 22.9%             | 7,241         | 25.2%             |
| Passenger, Diesel   | Vehicle       | September 18 | 8,340          | -6.6%             | 8,594         | -4.0%             |
| Passenger, Gasoline   | Vehicle       | September 18 | 1,028,796      | 1.1%              | 1,025,986     | 1.5%              |
| Passenger, Hybrid   | Vehicle       | September 18 | 25,066         | 1.8%              | 25,055        | 3.7%              |
| Passenger, Misc Fuel  | Vehicle       | September 18 | 1,301          | 0.8%              | 1,290         | 0.2%              |
| Freight, Electric   | Vehicle       | September 18 | 13             | 62.5%             | 12            | 65.6%             |
| Freight, Diesel   | Vehicle       | September 18 | 24,146         | 0.4%              | 24,161        | 1.8%              |
| Freight, Gasoline   | Vehicle       | September 18 | 48,065         | 3.3%              | 47,723        | 3.8%              |
| Freight, Hybrid   | Vehicle       | September 18 | 85             | -9.6%             | 86            | -10.8%            |
| Freight, Misc Fuel  | Vehicle       | September 18 | 105            | 5.0%              | 104           | 3.9%              |
| <b>Electricity Production and Sale by Utility Companies</b> |               |              |                |                   |               |                   |
| <b>Electricity Consumers</b>                                |               |              |                |                   |               |                   |
| All Sectors   | Consumers     | June 18      | 500,638        | 0.5%              | 500,773       | 0.6%              |
| Residential   | Consumers     | June 18      | 436,316        | 1.0%              | 435,905       | 0.9%              |
| Commercial  | Consumers     | June 18      | 59,803         | -2.6%             | 60,337        | -1.6%             |
| Street Lights   | Consumers     | June 18      | 4,519          | -0.1%             | 4,531         | 0.7%              |
| <b>Electric Meters</b>                                      |               |              |                |                   |               |                   |
| All sectors   | Meters        | June 18      | 499,749        | 0.5%              | 499,384       | 0.5%              |
| Residential   | Meters        | June 18      | 436,323        | 0.9%              | 435,926       | 0.9%              |
| Commercial  | Meters        | June 18      | 59,536         | -2.6%             | 59,569        | -2.4%             |
| Street Lights   | Meters        | June 18      | 3,890          | 0.3%              | 3,890         | 0.9%              |
| <b>Electricity Sale (KWH sold)</b>                          |               |              |                |                   |               |                   |
| All Sectors   | KWH           | June 18      | 765,628,103    | 0.5%              | 4,357,956,380 | -1.0%             |
| Residential   | KWH           | June 18      | 209,770,851    | 3.8%              | 1,223,725,091 | 3.2%              |
| Commercial  | KWH           | June 18      | 552,599,993    | -0.7%             | 3,112,780,834 | -2.6%             |
| Street Lights   | KWH           | June 18      | 3,257,259      | -3.0%             | 21,450,455    | 0.5%              |
| <b>Net Revenue of Utility Companies</b>                     |               |              |                |                   |               |                   |
| All Sectors   | Dollars       | June 18      | 220,186,286    | 8.9%              | 1,249,559,555 | 9.4%              |
| Residential   | Dollars       | June 18      | 69,131,618     | 10.3%             | 395,359,139   | 11.4%             |
| Commercial  | Dollars       | June 18      | 150,064,582    | 8.3%              | 847,889,946   | 8.5%              |
| Street Lights   | Dollars       | June 18      | 990,086        | 5.4%              | 6,310,470     | 10.6%             |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b> |               |              |                |                   |               |                   |
| All Sectors   | Cents/KWh     | June 18      | 28.76          | 8.4%              | 28.67         | 10.6%             |
| Residential   | Cents/KWh     | June 18      | 32.96          | 6.3%              | 32.31         | 8.0%              |
| Commercial  | Cents/KWh     | June 18      | 27.16          | 9.1%              | 27.24         | 11.4%             |
| Street Lights   | Cents/KWh     | June 18      | 30.40          | 8.7%              | 29.42         | 10.0%             |
| <b>Electricity Production</b>                               |               |              |                |                   |               |                   |
| Electricity Sent to System by Electric Utility Companies    | KWH           | June 18      | 793,953,875    | -2.2%             | 4,572,674,410 | -1.3%             |
| Electricity Generated at the Electric Utility Stations      | KWH           | June 18      | 435,839,717    | 0.7%              | 2,690,293,799 | -0.6%             |
| - Generated by Steam  | KWH           | June 18      | 318,490,644    | -0.7%             | 1,945,276,970 | 0.4%              |
| - Generated by Diesel                                       | KWH           | June 18      | 112,507,196    | 6.7%              | 696,237,806   | -4.7%             |
| - Generated by Biodiesel                                    | KWH           | June 18      | 2,315,458      | -56.5%            | 33,644,229    | 26.5%             |
| - Generated by Hydro and Wind                               | KWH           | June 18      | 2,526,419      | 86.6%             | 15,134,794    | 74.4%             |
| Electricity Purchased from Independent Power Plant          | KWH           | June 18      | 383,914,622    | -4.8%             | 2,035,429,450 | -1.9%             |
| Electricity Used by Electric Utility Stations               | KWH           | June 18      | 25,800,464     | 7.4%              | 153,048,839   | 2.7%              |
| <b>Fuel Oil Used by Utility Companies</b>                   |               |              |                |                   |               |                   |
| Barrels of Oil Consumed                                     | Barrels       | June 18      | 521,947        | -1.2%             | 3,183,455     | 0.1%              |
| Total Cost of Oil Consumed                                  | Dollars       | June 18      | 42,360,983     | 24.3%             | 242,420,655   | 19.4%             |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | June 18      | 81.16          | 25.9%             | 76.15         | 19.2%             |
| Month-end price per barrel                                  | Dollars       | June 18      | 74.07          | 31.6%             | 68.43         | 23.9%             |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | June 18      | 0.142          | 25.9%             | 0.133         | 19.0%             |
| <b>Diesel Oil Used by Utility Companies</b>                 |               |              |                |                   |               |                   |
| Barrels of Oil Consumed                                     | Barrels       | June 18      | 183,824        | 3.9%              | 1,153,305     | -3.3%             |
| Total Cost of Oil Consumed                                  | Dollars       | June 18      | 18,630,703     | 39.8%             | 107,988,850   | 17.9%             |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | June 18      | 101.35         | 34.6%             | 93.63         | 22.0%             |
| Month-end price per barrel                                  | Dollars       | June 18      | 109.18         | 34.0%             | 100.77        | 25.8%             |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | June 18      | 0.175          | 33.9%             | 0.164         | 24.2%             |
| <b>Biodiesel Oil Used by Utility Companies</b>              |               |              |                |                   |               |                   |
| Barrels of Oil Consumed                                     | Barrels       | June 18      | 4,189          | -72.6%            | 82,874        | -2.0%             |
| Total Cost of Oil Consumed                                  | Dollars       | June 18      | 613,808        | -69.4%            | 10,121,413    | 19.3%             |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | June 18      | 146.53         | 11.5%             | 122.13        | 21.8%             |
| Month-end price per barrel                                  | Dollars       | June 18      | 166.29         | 21.6%             | 154.82        | 41.2%             |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | June 18      | 0.289          | -28.8%            | 0.319         | 1.4%              |

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: Oahu  |               |              |                |                   |               |                   |
|---|---------------|--------------|----------------|-------------------|---------------|-------------------|
| Month of Sep - 2018   |               |              |                |                   |               |                   |
| 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 | September 18 | 3.638          | 23.8%             | 3.474         | 18.9%             |
| Gasoline - Mid Grade  | \$ per Gallon | September 18 | 3.809          | 23.8%             | 3.632         | 19.1%             |
| Gasoline - Premium  | \$ per Gallon | September 18 | 3.945          | 22.3%             | 3.771         | 18.1%             |
| Diesel  | \$ per Gallon | September 18 | 4.149          | 4.5%              | 4.087         | 1.5%              |
| <b>Foreign Imports</b>  |               |              |                |                   |               |                   |
| Crude Oil   | 1000 Barrels  | July 18      | 3,040          | 55.7%             | 21,399        | 96.6%             |
| Distillate  | 1000 Barrels  | July 18      | -              | N/A               | -             | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | July 18      | 770            | 51.6%             | 4,616         | 12.4%             |
| Residual Fuel Oil   | 1000 Barrels  | July 18      | -              | N/A               | -             | N/A               |
| Propane   | 1000 Barrels  | July 18      | -              | -100.0%           | -             | -100.0%           |
| Fuel Ethanol  | 1000 Barrels  | July 18      | -              | N/A               | -             | N/A               |
| Other Refined Petroleum Products  | 1000 Barrels  | July 18      | -              | -100.0%           | -             | -100.0%           |
| <b>Liquid Fuel Tax Base</b>   |               |              |                |                   |               |                   |
| Gasoline  | Gallons       | July 18      | 24,684,279     | 0.9%              | 166,074,455   | -1.0%             |
| Diesel Oil (non-hwy)  | Gallons       | July 18      | 8,710,067      | -9.1%             | 34,448,148    | -44.1%            |
| Diesel Oil (hwy use)  | Gallons       | July 18      | 2,311,006      | -0.4%             | 15,740,288    | 8.8%              |
| LPG (off hwy)   | Gallons       | July 18      | -              | N/A               | -             | N/A               |
| LPG (hwy use)   | Gallons       | July 18      | 23             | -93.3%            | 20,157        | 669.0%            |
| Small Boat (gas)  | Gallons       | July 18      | 108,489        | 41.3%             | 683,651       | 79.2%             |
| Small Boat (diesel)   | Gallons       | July 18      | 290,799        | 32.3%             | 1,616,956     | -23.1%            |
| Aviation Fuel   | Gallons       | July 18      | 7,924,089      | -30.3%            | 60,758,507    | -12.5%            |
| Other Fuel  | Gallons       | July 18      | 137,387        | 5.2%              | 893,781       | -1.4%             |
| Agricultural Refund   | Gallons       | July 18      | -              | -100.0%           | 68,935        | -21.6%            |
| <b>Registered Vehicles, Taxable</b>   |               |              |                |                   |               |                   |
| Passenger, Electric   | Vehicle       | September 18 | 6,105          | 23.1%             | 5,643         | 25.2%             |
| Passenger, Diesel   | Vehicle       | September 18 | 2,908          | -12.6%            | 3,083         | -8.4%             |
| Passenger, Gasoline   | Vehicle       | September 18 | 613,685        | 0.6%              | 612,339       | 0.9%              |
| Passenger, Hybrid   | Vehicle       | September 18 | 17,080         | 1.1%              | 17,115        | 3.4%              |
| Passenger, Misc Fuel  | Vehicle       | September 18 | 532            | 0.9%              | 527           | 0.5%              |
| Freight, Electric   | Vehicle       | September 18 | 13             | 85.7%             | 11            | 80.0%             |
| Freight, Diesel   | Vehicle       | September 18 | 11,464         | -0.5%             | 11,504        | 0.6%              |
| Freight, Gasoline   | Vehicle       | September 18 | 33,371         | 2.8%              | 33,147        | 3.5%              |
| Freight, Hybrid   | Vehicle       | September 18 | 77             | -12.5%            | 80            | -12.2%            |
| Freight, Misc Fuel  | Vehicle       | September 18 | 90             | 3.4%              | 89            | 2.7%              |
| <b>Electricity Production and Sale by Utility Companies</b>                 |               |              |                |                   |               |                   |
| <b>Electricity Consumers</b>  |               |              |                |                   |               |                   |
| All Sectors   | Consumers     | June 18      | 305,280        | 0.2%              | 305,191       | 0.2%              |
| Residential   | Consumers     | June 18      | 271,543        | 0.3%              | 271,425       | 0.2%              |
| Commercial  | Consumers     | June 18      | 33,330         | -0.4%             | 33,358        | -0.1%             |
| Street Lights   | Consumers     | June 18      | 407            | -1.0%             | 408           | -0.6%             |
| <b>Electric Meters</b>  |               |              |                |                   |               |                   |
| All Sectors   | Meters        | June 18      | 304,964        | 0.2%              | 304,874       | 0.2%              |
| Residential   | Meters        | June 18      | 271,549        | 0.3%              | 271,432       | 0.2%              |
| Commercial  | Meters        | June 18      | 33,297         | -0.3%             | 33,325        | 0.0%              |
| Street Lights   | Meters        | June 18      | 118            | 0.9%              | 117           | 0.0%              |
| <b>Electricity Sale (KWH Sold)</b>  |               |              |                |                   |               |                   |
| All Sectors   | KWH           | June 18      | 546,911,981    | -0.2%             | 3,094,535,579 | -1.7%             |
| Residential   | KWH           | June 18      | 129,095,666    | 0.6%              | 747,689,454   | 0.7%              |
| Commercial  | KWH           | June 18      | 415,316,299    | -0.4%             | 2,330,205,121 | -2.5%             |
| Street Lights   | KWH           | June 18      | 2,500,016      | -2.6%             | 16,641,004    | 0.8%              |
| <b>Net Revenue of Utility Companies</b>                                     |               |              |                |                   |               |                   |
| All Sectors   | Dollars       | June 18      | 146,477,366    | 8.6%              | 828,503,919   | 9.9%              |
| Residential   | Dollars       | June 18      | 40,388,866     | 7.7%              | 229,055,851   | 10.0%             |
| Commercial  | Dollars       | June 18      | 105,399,939    | 8.9%              | 594,916,721   | 9.9%              |
| Street Lights   | Dollars       | June 18      | 688,561        | 4.4%              | 4,531,347     | 11.8%             |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                 |               |              |                |                   |               |                   |
| All Sectors   | Cents/KWh     | June 18      | 26.78          | 8.8%              | 26.77         | 11.9%             |
| Residential   | Cents/KWh     | June 18      | 31.29          | 7.0%              | 30.64         | 9.2%              |
| Commercial  | Cents/KWh     | June 18      | 25.38          | 9.4%              | 25.53         | 12.7%             |
| Street Lights   | Cents/KWh     | June 18      | 27.54          | 7.1%              | 27.23         | 10.9%             |
| <b>Electricity Production</b>   |               |              |                |                   |               |                   |
| Electricity Sent to System by Electric Utility Companies                    | KWH           | June 18      | 565,837,496    | -2.6%             | 3,235,067,998 | -2.0%             |
| Electricity Generated at the Electric Utility Stations                      | KWH           | June 18      | 294,328,491    | -2.5%             | 1,812,424,235 | -0.4%             |
| - Generated by Steam  | KWH           | June 18      | 291,121,900    | -0.4%             | 1,768,159,600 | 0.1%              |
| - Generated by Diesel   | KWH           | June 18      | 891,133        | -79.7%            | 10,620,406    | -54.7%            |
| - Generated by Biodiesel  | KWH           | June 18      | 2,315,458      | -56.5%            | 33,644,229    | 26.5%             |
| - Generated by Hydro and Wind   | KWH           | June 18      | -              | N/A               | -             | N/A               |
| Electricity Purchased from Independent Power Plant                          | KWH           | June 18      | 290,938,114    | -2.1%             | 1,537,905,768 | -3.5%             |
| Electricity Used by Electric Utility Stations                               | KWH           | June 18      | 19,429,109     | 7.5%              | 115,262,005   | 4.0%              |
| <b>Fuel Oil Used by Utility Companies</b>                                   |               |              |                |                   |               |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | 464,728        | -0.8%             | 2,816,920     | -0.1%             |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 38,803,452     | 24.6%             | 219,769,180   | 19.1%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 83.50          | 25.6%             | 78.02         | 19.1%             |
| Month-end price per barrel  | Dollars       | June 18      | 90.27          | 37.3%             | 79.87         | 22.4%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.143          | 25.8%             | 0.133         | 19.0%             |
| <b>Diesel Oil Used by Utility Companies</b>                                 |               |              |                |                   |               |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | 5,635          | -59.4%            | 50,564        | -26.0%            |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 570,183        | -41.2%            | 4,614,661     | -3.0%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 101.19         | 44.7%             | 91.26         | 31.0%             |
| Month-end price per barrel  | Dollars       | June 18      | 106.02         | 43.1%             | 97.63         | 38.6%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.683          | 204.9%            | 0.482         | 90.9%             |
| <b>Biodiesel Oil Used by Utility Companies</b>                              |               |              |                |                   |               |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | 4,189          | -72.6%            | 82,874        | -2.0%             |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 613,808        | -69.4%            | 10,121,413    | 19.3%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 146.53         | 11.5%             | 122.13        | 21.8%             |
| Month-end price per barrel  | Dollars       | June 18      | 166.29         | 21.6%             | 154.82        | 41.2%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.289          | -28.8%            | 0.319         | 1.4%              |
| <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        | September 18 | 0.04201        | -283.6%           | 0.00709       | -134.8%           |

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  |               |              |                |                   |              |                   |
|---|---------------|--------------|----------------|-------------------|--------------|-------------------|
| Month of Sep - 2018   |               |              |                |                   |              |                   |
| 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 | September 18 | 4.082          | 15.6%             | 3.985        | 13.9%             |
| Gasoline - Mid Grade  | \$ per Gallon | September 18 | 4.240          | 15.7%             | 4.105        | 13.2%             |
| Gasoline - Premium  | \$ per Gallon | September 18 | 4.330          | 15.0%             | 4.203        | 13.2%             |
| Diesel  | \$ per Gallon | September 18 | 4.244          | 4.0%              | 4.178        | 2.9%              |
| <b>Foreign Imports</b>  |               |              |                |                   |              |                   |
| Crude Oil   | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Distillate  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Residual Fuel Oil   | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Propane   | 1000 Barrels  | July 18      | 24             | 84.6%             | 196          | 31.5%             |
| Fuel Ethanol  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Other Refined Petroleum Products  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| <b>Liquid Fuel Tax Base</b>   |               |              |                |                   |              |                   |
| Gasoline  | Gallons       | July 18      | 5,765,383      | 4.3%              | 38,320,152   | -0.4%             |
| Diesel Oil (non-hwy)  | Gallons       | July 18      | 1,067,153      | 36.3%             | 9,395,217    | 40.8%             |
| Diesel Oil (hwy use)  | Gallons       | July 18      | 509,890        | 4.4%              | 3,640,782    | -16.3%            |
| LPG (off hwy)   | Gallons       | July 18      | -              | N/A               | -            | N/A               |
| LPG (hwy use)   | Gallons       | July 18      | -              | -100.0%           | 98           | 96.2%             |
| Small Boat (gas)  | Gallons       | July 18      | 8,640          | -16.9%            | 59,969       | -42.6%            |
| Small Boat (diesel)   | Gallons       | July 18      | -              | N/A               | -            | N/A               |
| Aviation Fuel   | Gallons       | July 18      | 8,134,431      | 20.4%             | 50,992,441   | 13.5%             |
| Other Fuel  | Gallons       | July 18      | 30,190         | -5.6%             | 209,955      | -0.8%             |
| Agricultural Refund   | Gallons       | July 18      | 2,664          | N/A               | 21,367       | -52.4%            |
| <b>Registered Vehicles, Taxable</b>   |               |              |                |                   |              |                   |
| Passenger, Electric   | Vehicle       | September 18 | 1,005          | 17.1%             | 966          | 18.8%             |
| Passenger, Diesel   | Vehicle       | September 18 | 1,469          | -8.2%             | 1,510        | -5.0%             |
| Passenger, Gasoline   | Vehicle       | September 18 | 160,555        | 1.2%              | 160,200      | 1.6%              |
| Passenger, Hybrid   | Vehicle       | September 18 | 3,587          | 3.2%              | 3,569        | 4.4%              |
| Passenger, Misc Fuel  | Vehicle       | September 18 | 260            | 9.7%              | 246          | 5.4%              |
| Freight, Electric   | Vehicle       | September 18 | -              | N/A               | -            | N/A               |
| Freight, Diesel   | Vehicle       | September 18 | 3,635          | 0.9%              | 3,641        | 4.9%              |
| Freight, Gasoline   | Vehicle       | September 18 | 5,983          | 2.0%              | 5,959        | 2.3%              |
| Freight, Hybrid   | Vehicle       | September 18 | 4              | 33.3%             | 3            | 11.1%             |
| Freight, Misc Fuel  | Vehicle       | September 18 | 8              | 60.0%             | 7            | 48.9%             |
| <b>Electricity Production and Sale by Utility Companies</b>                   |               |              |                |                   |              |                   |
| <b>Electricity Consumers</b>  |               |              |                |                   |              |                   |
| All Sectors   | Consumers     | June 18      | 66,657         | 1.0%              | 67,042       | 1.6%              |
| Residential   | Consumers     | June 18      | 57,014         | 1.1%              | 56,902       | 1.0%              |
| Commercial  | Consumers     | June 18      | 9,427          | 0.3%              | 9,926        | 5.6%              |
| Street Lights   | Consumers     | June 18      | 216            | 3.8%              | 215          | 3.0%              |
| <b>Electric Meters</b>  |               |              |                |                   |              |                   |
| All Sectors   | Meters        | June 18      | 66,437         | 1.0%              | 66,324       | 0.9%              |
| Residential   | Meters        | June 18      | 57,015         | 1.1%              | 56,903       | 1.0%              |
| Commercial  | Meters        | June 18      | 9,409          | 0.3%              | 9,408        | 0.3%              |
| Street Lights   | Meters        | June 18      | 13             | -7.1%             | 13           | -7.1%             |
| <b>Electricity Sale (KWH Sold)</b>  |               |              |                |                   |              |                   |
| All Sectors   | KWH           | June 18      | 85,919,765     | -0.1%             | 498,643,461  | -0.5%             |
| Residential   | KWH           | June 18      | 28,504,355     | 3.6%              | 174,093,201  | 5.3%              |
| Commercial  | KWH           | June 18      | 56,951,788     | -1.8%             | 321,720,192  | -3.4%             |
| Street Lights   | KWH           | June 18      | 463,622        | 0.7%              | 2,830,068    | 3.4%              |
| <b>Net Revenue of Utility Companies</b>                                       |               |              |                |                   |              |                   |
| All Sectors   | Dollars       | June 18      | 29,027,060     | 9.7%              | 156,450,870  | 6.6%              |
| Residential   | Dollars       | June 18      | 10,227,174     | 10.3%             | 56,520,904   | 10.4%             |
| Commercial  | Dollars       | June 18      | 18,650,354     | 9.3%              | 99,100,290   | 4.5%              |
| Street Lights   | Dollars       | June 18      | 149,532        | 13.0%             | 829,676      | 12.0%             |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                   |               |              |                |                   |              |                   |
| All Sectors   | Cents/KWh     | June 18      | 33.78          | 9.8%              | 31.38        | 7.1%              |
| Residential   | Cents/KWh     | June 18      | 35.88          | 6.5%              | 32.47        | 4.9%              |
| Commercial  | Cents/KWh     | June 18      | 32.75          | 11.4%             | 30.80        | 8.1%              |
| Street Lights   | Cents/KWh     | June 18      | 32.25          | 12.3%             | 29.32        | 8.2%              |
| <b>Electricity Production</b>   |               |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                      | KWH           | June 18      | 89,575,644     | -1.9%             | 524,120,474  | -1.0%             |
| Electricity Generated at the Electric Utility Stations                        | KWH           | June 18      | 64,546,940     | -3.4%             | 422,146,525  | -3.5%             |
| - Generated by Steam  | KWH           | June 18      | 11,405,772     | -13.3%            | 81,752,330   | 6.2%              |
| - Generated by Diesel   | KWH           | June 18      | 53,141,168     | -1.0%             | 340,394,195  | -5.6%             |
| - Generated by Hydro and Wind   | KWH           | June 18      | -              | N/A               | -            | N/A               |
| Electricity Purchased from Independent Power Plant                            | KWH           | June 18      | 28,082,737     | 1.2%              | 120,471,728  | 8.8%              |
| Electricity Used by Electric Utility Stations                                 | KWH           | June 18      | 3,054,033      | -5.3%             | 18,497,779   | -2.0%             |
| <b>Fuel Oil Used by Utility Companies</b>                                     |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | 25,053         | -14.1%            | 178,048      | 4.2%              |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 1,576,582      | 12.0%             | 10,594,157   | 25.6%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 62.93          | 30.4%             | 59.50        | 20.5%             |
| Month-end price per barrel  | Dollars       | June 18      | 70.63          | 44.8%             | 61.34        | 26.1%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.138          | 29.2%             | 0.130        | 19.0%             |
| <b>Diesel Oil Used by Utility Companies</b>                                   |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | 82,671         | -0.3%             | 528,042      | -5.1%             |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 9,094,634      | 34.2%             | 50,102,055   | 16.4%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 110.01         | 34.6%             | 94.88        | 22.6%             |
| Month-end price per barrel  | Dollars       | June 18      | 112.5          | 44.8%             | 98.20        | 27.3%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.171          | 35.5%             | 0.147        | 23.3%             |
| <b>Biodiesel Oil Used by Utility Companies</b>                                |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed  | Dollars       | June 18      | -              | N/A               | -            | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | -              | N/A               | -            | N/A               |
| Month-end price per barrel  | Dollars       | June 18      | -              | N/A               | -            | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | -              | 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        | September 18 | -0.03445       | -62.9%            | -0.04071     | -43.6%            |

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  
Month of Sep - 2018

| 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  | June 18      | 1,740          | 0.6%              | 1,732        | -0.1%             |
| Residential   | Consumers  | June 18      | 1,492          | 0.8%              | 1,486        | 0.2%              |
| Commercial  | Consumers  | June 18      | 244            | -0.8%             | 243          | -1.6%             |
| Street Lights   | Consumers  | June 18      | 4              | 0.0%              | 4            | 0.0%              |
| <b>Electric Meters</b>  |            |              |                |                   |              |                   |
| All Sectors   | Meters     | June 18      | 1,744          | 0.6%              | 1,736        | -0.1%             |
| Residential   | Meters     | June 18      | 1,492          | 0.8%              | 1,486        | 0.2%              |
| Commercial  | Meters     | June 18      | 251            | -0.8%             | 250          | -1.6%             |
| Street Lights   | Meters     | June 18      | 1              | 0.0%              | 1            | 0.0%              |
| <b>Electricity Sale (KWH Sold)</b>  |            |              |                |                   |              |                   |
| All Sectors   | KWH        | June 18      | 2,482,384      | -2.5%             | 14,440,080   | -1.7%             |
| Residential   | KWH        | June 18      | 667,961        | 8.1%              | 3,901,160    | 6.9%              |
| Commercial  | KWH        | June 18      | 1,804,053      | -5.9%             | 10,476,760   | -4.6%             |
| Street Lights   | KWH        | June 18      | 10,370         | 0.0%              | 62,160       | -0.1%             |
| <b>Net Revenue of Utility Companies</b>                                       |            |              |                |                   |              |                   |
| All Sectors   | Dollars    | June 18      | 1,018,103      | 12.1%             | 5,609,399    | 8.0%              |
| Residential   | Dollars    | June 18      | 274,996        | 24.8%             | 1,507,904    | 17.3%             |
| Commercial  | Dollars    | June 18      | 738,950        | 8.0%              | 4,077,879    | 4.9%              |
| Street Lights   | Dollars    | June 18      | 4,157          | 15.2%             | 23,616       | 10.4%             |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                   |            |              |                |                   |              |                   |
| All Sectors   | Cents/KWh  | June 18      | 41.01          | 14.9%             | 38.85        | 9.9%              |
| Residential   | Cents/KWh  | June 18      | 41.17          | 15.4%             | 38.65        | 9.6%              |
| Commercial  | Cents/KWh  | June 18      | 40.96          | 14.7%             | 38.92        | 10.0%             |
| Street Lights   | Cents/KWh  | June 18      | 40.09          | 15.2%             | 37.99        | 10.5%             |
| <b>Electricity Production</b>   |            |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                      | KWH        | June 18      | 2,817,922      | 7.2%              | 15,404,948   | 0.4%              |
| Electricity Generated at the Electric Utility Stations                        | KWH        | June 18      | 2,754,060      | 9.8%              | 15,129,534   | 3.2%              |
| - Generated by Steam  | KWH        | June 18      | -              | N/A               | -            | N/A               |
| - Generated by Diesel   | KWH        | June 18      | 2,754,060      | 9.8%              | 15,129,534   | 3.2%              |
| - Generated by Hydro and Wind   | KWH        | June 18      | -              | N/A               | -            | N/A               |
| Electricity Purchased from Independent Power Plant                            | KWH        | June 18      | 141,340        | -29.7%            | 667,559      | -42.1%            |
| Electricity Used by Electric Utility Stations                                 | KWH        | June 18      | 77,478         | -3.6%             | 392,145      | -16.9%            |
| <b>Fuel Oil Used by Utility Companies</b>                                     |            |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels    | June 18      | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed  | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel  | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh | June 18      | 0              | N/A               | N/A          | N/A               |
| <b>Diesel Oil Used by Utility Companies</b>                                   |            |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels    | June 18      | 4,249          | -2.1%             | 26,373       | 5.1%              |
| Total Cost of Oil Consumed  | Dollars    | June 18      | 521,220        | 24.7%             | 2,971,718    | 24.8%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars    | June 18      | 122.67         | 27.3%             | 112.68       | 18.8%             |
| Month-end price per barrel  | Dollars    | June 18      | 124.77         | 30.0%             | 116.06       | 21.4%             |
| Cost of Oil/KWH Generated   | Dollar/KWh | June 18      | 0.189          | 13.5%             | 0.197        | 21.3%             |
| <b>Biodiesel Oil Used by Utility Companies</b>                                |            |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels    | June 18      | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed  | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel  | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh | June 18      | 0              | N/A               | 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     | September 18 | -0.06735       | -35.2%            | -0.07457     | -33.7%            |

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  
Month of Sep - 2018

| 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  | June 18      | 3,229          | 0.8%              | 3,229        | 0.9%              |
| Residential  | Consumers  | June 18      | 2,683          | 0.8%              | 2,686        | 0.8%              |
| Commercial   | Consumers  | June 18      | 537            | 0.8%              | 535          | 1.2%              |
| Street Lights  | Consumers  | June 18      | 9              | 0.0%              | 9            | 0.0%              |
| <b>Electric Meters</b>   |            |              |                |                   |              |                   |
| All Sectors  | Meters     | June 18      | 3,215          | 0.8%              | 3,215        | 0.9%              |
| Residential  | Meters     | June 18      | 2,683          | 0.8%              | 2,686        | 0.8%              |
| Commercial   | Meters     | June 18      | 532            | 0.9%              | 530          | 1.5%              |
| Street Lights  | Meters     | June 18      | -              | N/A               | -            | N/A               |
| <b>Electricity Sale (KWH Sold)</b>   |            |              |                |                   |              |                   |
| All Sectors  | KWH        | June 18      | 2,371,247      | 0.7%              | 13,802,711   | 1.6%              |
| Residential  | KWH        | June 18      | 813,958        | -1.6%             | 5,141,613    | 0.6%              |
| Commercial   | KWH        | June 18      | 1,515,618      | 2.1%              | 8,385,237    | 2.2%              |
| Street Lights  | KWH        | June 18      | 41,671         | -3.5%             | 275,861      | 0.0%              |
| <b>Net Revenue of Utility Companies</b>                                    |            |              |                |                   |              |                   |
| All Sectors  | Dollars    | June 18      | 946,514        | 16.7%             | 5,242,966    | 11.8%             |
| Residential  | Dollars    | June 18      | 339,736        | 13.2%             | 1,977,377    | 9.1%              |
| Commercial   | Dollars    | June 18      | 590,800        | 18.9%             | 3,165,765    | 13.7%             |
| Street Lights  | Dollars    | June 18      | 15,978         | 12.2%             | 99,824       | 10.4%             |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                |            |              |                |                   |              |                   |
| All Sectors  | Cents/KWh  | June 18      | 39.92          | 15.9%             | 37.99        | 10.1%             |
| Residential  | Cents/KWh  | June 18      | 41.74          | 15.0%             | 38.46        | 8.4%              |
| Commercial   | Cents/KWh  | June 18      | 38.98          | 16.5%             | 37.75        | 11.2%             |
| Street Lights  | Cents/KWh  | June 18      | 38.34          | 16.3%             | 36.19        | 10.5%             |
| <b>Electricity Production</b>  |            |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                   | KWH        | June 18      | 2,598,148      | 1.2%              | 15,206,163   | 1.8%              |
| Electricity Generated at the Electric Utility Stations                     | KWH        | June 18      | 2,711,200      | 1.3%              | 15,888,240   | 1.8%              |
| - Generated by Steam   | KWH        | June 18      | -              | N/A               | -            | N/A               |
| - Generated by Diesel  | KWH        | June 18      | 2,711,200      | 1.3%              | 15,888,240   | 1.8%              |
| - Generated by Hydro and Wind  | KWH        | June 18      | -              | N/A               | -            | N/A               |
| Electricity Purchased from Independent Power Plant                         | KWH        | June 18      | 278            | -32.5%            | 2,358        | -12.8%            |
| Electricity Used by Electric Utility Stations                              | KWH        | June 18      | 113,330        | 4.9%              | 684,435      | 1.4%              |
| <b>Fuel Oil Used by Utility Companies</b>                                  |            |              |                |                   |              |                   |
| Barrels of Oil Consumed  | Barrels    | June 18      | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed   | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed   | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel   | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated  | Dollar/KWh | June 18      | 0              | N/A               | N/A          | N/A               |
| <b>Diesel Oil Used by Utility Companies</b>                                |            |              |                |                   |              |                   |
| Barrels of Oil Consumed  | Barrels    | June 18      | 4,553          | 1.6%              | 26,440       | 1.3%              |
| Total Cost of Oil Consumed   | Dollars    | June 18      | 474,213        | 26.7%             | 2,593,464    | 21.6%             |
| Ave Cost/Bbl of Oil Consumed   | Dollars    | June 18      | 104.15         | 24.7%             | 98.09        | 20.0%             |
| Month-end price per barrel   | Dollars    | June 18      | 116.86         | 40.9%             | 102.40       | 24.4%             |
| Cost of Oil/KWH Generated  | Dollar/KWh | June 18      | 0.175          | 25.0%             | 0.213        | 56.0%             |
| <b>Biodiesel Oil Used by Utility Companies</b>                             |            |              |                |                   |              |                   |
| Barrels of Oil Consumed  | Barrels    | June 18      | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed   | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed   | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Month-end price per barrel   | Dollars    | June 18      | 0              | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated  | Dollar/KWh | June 18      | 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     | September 18 | -0.03443       | -67.8%            | -0.04644     | -48.0%            |

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 Sep - 2018   |               |              |                |                   |              |                   |
| Series  | Unit          | Month        | Current Period |                   | Year-to-Date |                   |
|   |               |              | Number         | % Change Year Ago | Number       | % Change Year Ago |
| <b>Gasoline and Diesel Prices (Hilo only)</b>                                 |               |              |                |                   |              |                   |
| Gasoline - Regular  | \$ per Gallon | September 18 | 3.861          | 23.3%             | 3.654        | 19.8%             |
| Gasoline - Mid Grade  | \$ per Gallon | September 18 | 3.983          | 21.8%             | 3.781        | 19.4%             |
| Gasoline - Premium  | \$ per Gallon | September 18 | 4.130          | 20.7%             | 3.942        | 18.4%             |
| Diesel  | \$ per Gallon | September 18 | 4.263          | 4.1%              | 4.229        | 3.4%              |
| <b>Foreign Imports</b>  |               |              |                |                   |              |                   |
| Crude Oil   | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Distillate  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Residual Fuel Oil   | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Propane   | 1000 Barrels  | July 18      | 19             | 35.7%             | 102          | -27.1%            |
| Fuel Ethanol  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| Other Refined Petroleum Products  | 1000 Barrels  | July 18      | -              | N/A               | -            | N/A               |
| <b>Liquid Fuel Tax Base</b>   |               |              |                |                   |              |                   |
| Gasoline  | Gallons       | July 18      | 6,780,413      | -1.2%             | 47,865,862   | -0.3%             |
| Diesel Oil (non-hwy)  | Gallons       | July 18      | 1,012,532      | -7.5%             | 6,498,068    | 3.5%              |
| Diesel Oil (hwy use)  | Gallons       | July 18      | 988,311        | 0.8%              | 6,820,888    | -6.6%             |
| LPG (off hwy)   | Gallons       | July 18      | -              | N/A               | -            | N/A               |
| LPG (hwy use)   | Gallons       | July 18      | 49             | 251.0%            | 854          | 1637.4%           |
| Small Boat (gas)  | Gallons       | July 18      | 28,004         | 21.8%             | 178,388      | 56.8%             |
| Small Boat (diesel)   | Gallons       | July 18      | -              | N/A               | -            | N/A               |
| Aviation Fuel   | Gallons       | July 18      | 4,715,851      | 29.9%             | 30,854,110   | 37.7%             |
| Other Fuel  | Gallons       | July 18      | 1,695,938      | 213.6%            | 8,101,432    | 32.0%             |
| Agricultural Refund   | Gallons       | July 18      | -              | N/A               | 218,323      | 205.9%            |
| <b>Registered Vehicles, Taxable</b>   |               |              |                |                   |              |                   |
| Passenger, Electric   | Vehicle       | September 18 | 417            | 32.0%             | 381          | 39.6%             |
| Passenger, Diesel   | Vehicle       | September 18 | 2,935          | -0.5%             | 2,962        | 0.9%              |
| Passenger, Gasoline   | Vehicle       | September 18 | 178,194        | 2.2%              | 177,570      | 2.8%              |
| Passenger, Hybrid   | Vehicle       | September 18 | 3,265          | 3.6%              | 3,240        | 5.0%              |
| Passenger, Misc Fuel  | Vehicle       | September 18 | 425            | -3.6%             | 433          | -2.3%             |
| Freight, Electric   | Vehicle       | September 18 | -              | -100.0%           | 1            | -22.2%            |
| Freight, Diesel   | Vehicle       | September 18 | 6,838          | 1.1%              | 6,829        | 1.6%              |
| Freight, Gasoline   | Vehicle       | September 18 | 6,853          | 7.0%              | 6,786        | 6.8%              |
| Freight, Hybrid   | Vehicle       | September 18 | 2              | 100.0%            | 1            | 30.0%             |
| Freight, Misc Fuel  | Vehicle       | September 18 | 7              | -12.5%            | 8            | -10.5%            |
| <b>Electricity Production and Sale by Utility Companies</b>                   |               |              |                |                   |              |                   |
| <b>Electric Consumers</b>   |               |              |                |                   |              |                   |
| All Sectors   | Consumers     | June 18      | 86,157         | 1.0%              | 86,041       | 1.0%              |
| Residential   | Consumers     | June 18      | 74,632         | 3.5%              | 74,487       | 3.4%              |
| Commercial  | Consumers     | June 18      | 11,371         | -12.2%            | 11,387       | -12.1%            |
| Street Lights   | Consumers     | June 18      | 154            | -11.0%            | 167          | -3.9%             |
| <b>Electric Meters</b>  |               |              |                |                   |              |                   |
| All Sectors   | Meters        | June 18      | 85,814         | 1.1%              | 85,697       | 1.0%              |
| Residential   | Meters        | June 18      | 74,632         | 3.5%              | 74,500       | 3.4%              |
| Commercial  | Meters        | June 18      | 11,153         | -12.4%            | 11,168       | -12.3%            |
| Street Lights   | Meters        | June 18      | 29             | 3.6%              | 30           | 7.1%              |
| <b>Electricity Sale (KWH Sold)</b>  |               |              |                |                   |              |                   |
| All Sectors   | KWH           | June 18      | 88,475,775     | 4.4%              | 518,609,267  | 1.7%              |
| Residential   | KWH           | June 18      | 35,703,110     | 17.6%             | 207,908,756  | 10.7%             |
| Commercial  | KWH           | June 18      | 52,602,115     | -2.9%             | 309,484,960  | -3.4%             |
| Street Lights   | KWH           | June 18      | 170,550        | -17.7%            | 1,215,551    | -7.3%             |
| <b>Net Revenue of Utility Companies</b>                                       |               |              |                |                   |              |                   |
| All Sectors   | Dollars       | June 18      | 28,483,161     | 7.5%              | 176,748,719  | 10.6%             |
| Residential   | Dollars       | June 18      | 12,273,516     | 17.6%             | 75,100,443   | 17.6%             |
| Commercial  | Dollars       | June 18      | 16,139,406     | 1.0%              | 101,184,002  | 5.9%              |
| Street Lights   | Dollars       | June 18      | 70,239         | -1.1%             | 464,274      | 4.6%              |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>                   |               |              |                |                   |              |                   |
| All Sectors   | Cents/KWh     | June 18      | 32.19          | 2.9%              | 34.08        | 8.7%              |
| Residential   | Cents/KWh     | June 18      | 34.38          | 0.0%              | 36.12        | 6.3%              |
| Commercial  | Cents/KWh     | June 18      | 30.68          | 3.9%              | 32.69        | 9.7%              |
| Street Lights   | Cents/KWh     | June 18      | 41.18          | 20.1%             | 38.19        | 12.9%             |
| <b>Electricity Production</b>   |               |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies                      | KWH           | June 18      | 93,642,891     | 0.4%              | 555,541,678  | 1.4%              |
| Electricity Generated at the Electric Utility Stations                        | KWH           | June 18      | 46,508,040     | 34.4%             | 274,815,762  | 1.1%              |
| - Generated by Steam  | KWH           | June 18      | 15,962,972     | 4.0%              | 94,024,350   | 1.0%              |
| - Generated by Diesel   | KWH           | June 18      | 28,203,788     | 51.4%             | 168,809,972  | -3.1%             |
| - Generated by Hydro and Wind   | KWH           | June 18      | 2,341,280      | 281.2%            | 11,981,440   | 162.5%            |
| Electricity Purchased from Independent Power Plant                            | KWH           | June 18      | 49,550,543     | -18.1%            | 294,433,933  | 1.7%              |
| Electricity Used by Electric Utility Stations                                 | KWH           | June 18      | 2,415,692      | 28.9%             | 13,708,017   | 2.4%              |
| <b>Fuel Oil Used by Utility Companies</b>                                     |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | 32,166         | 4.2%              | 188,487      | -0.5%             |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 1,980,949      | 29.8%             | 12,057,318   | 20.5%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 61.59          | 24.5%             | 63.97        | 21.1%             |
| Month-end price per barrel  | Dollars       | June 18      | 61.32          | 12.7%             | 64.07        | 23.7%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.124          | 24.8%             | 0.129        | 20.0%             |
| <b>Diesel Oil Used by Utility Companies</b>                                   |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | June 18      | 44,634         | 41.5%             | 269,760      | -1.3%             |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 3,971,500      | 93.4%             | 25,861,565   | 19.0%             |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 88.98          | 36.6%             | 95.87        | 20.6%             |
| Month-end price per barrel  | Dollars       | June 18      | 86.22          | 1.3%              | 93.09        | 21.3%             |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.179          | 32.1%             | 0.194        | 23.0%             |
| <b>Biodiesel Oil Used by Utility Companies</b>                                |               |              |                |                   |              |                   |
| Barrels of Oil Consumed   | Barrels       | June-18      | -              | (1.00)            | -            | (0.22)            |
| Total Cost of Oil Consumed  | Dollars       | June 18      | 0              | N/A               | 0            | N/A               |
| Ave Cost/Bbl of Oil Consumed  | Dollars       | June 18      | 0.00           | N/A               | 0.00         | N/A               |
| Month-end price per barrel  | Dollars       | June 18      | 0.00           | N/A               | 0.00         | N/A               |
| Cost of Oil/KWH Generated   | Dollar/KWh    | June 18      | 0.000          | N/A               | 0.000        | 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        | September 18 | 0.02027        | -182.8%           | 0.00775      | -128.8%           |

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  
Month of Sep - 2018

| 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 | February-16  | 2,887          | -13.3%            | 2,890        | -18.7%            |
| Gasoline - Mid Grade  | \$ per Gallon | February-16  | 3,012          | -13.6%            | 3,011        | -18.4%            |
| Gasoline - Premium  | \$ per Gallon | February-16  | 3,102          | -14.0%            | 3,102        | -18.6%            |
| Diesel  | \$ per Gallon | February-16  | 4,279          | 2.9%              | 4,282        | 1.3%              |
| <b>Foreign Imports</b>                                      |               |              |                |                   |              |                   |
| Crude Oil   | 1000 Barrels  | July-18      | -              | N/A               | -            | N/A               |
| Distillate  | 1000 Barrels  | July-18      | -              | N/A               | -            | N/A               |
| Jet Fuel, Kerosene  | 1000 Barrels  | July-18      | -              | N/A               | -            | N/A               |
| Residual Fuel Oil   | 1000 Barrels  | July-18      | -              | N/A               | -            | N/A               |
| Propane   | 1000 Barrels  | July-18      | 12             | 33.3%             | 146          | 28.1%             |
| Fuel Ethanol  | 1000 Barrels  | July-18      | -              | N/A               | -            | N/A               |
| Other Refined Petroleum Products                            | 1000 Barrels  | July-18      | -              | N/A               | -            | N/A               |
| <b>Liquid Fuel Tax Base</b>                                 |               |              |                |                   |              |                   |
| Gasoline  | Gallons       | July 18      | 2,740,792      | 1.9%              | 18,006,520   | 0.5%              |
| Diesel Oil (non-hwy)  | Gallons       | July 18      | 909,383        | 4.7%              | 6,084,264    | 4.1%              |
| Diesel Oil (hwy use)  | Gallons       | July 18      | 286,765        | 9.2%              | 1,920,459    | 8.7%              |
| LPG (off hwy)   | Gallons       | July 18      | -              | N/A               | -            | N/A               |
| LPG (hwy use)   | Gallons       | July 18      | -              | -100.0%           | 95           | -78.3%            |
| Small Boat (gas)  | Gallons       | July 18      | -              | N/A               | -            | N/A               |
| Small Boat (diesel)   | Gallons       | July 18      | -              | N/A               | -            | N/A               |
| Aviation Fuel   | Gallons       | July 18      | 2,772,665      | -0.6%             | 18,708,677   | 25.5%             |
| Other Fuel  | Gallons       | July 18      | 1,158,183      | -3.0%             | 7,772,967    | 6.6%              |
| Agricultural Refund   | Gallons       | July 18      | -              | N/A               | -            | -100.0%           |
| <b>Registered Vehicles, Taxable</b>                         |               |              |                |                   |              |                   |
| Passenger, Electric   | Vehicle       | September-18 | 271            | 28.4%             | 251          | 31.1%             |
| Passenger, Diesel   | Vehicle       | September-18 | 1,028          | -2.8%             | 1,039        | -2.2%             |
| Passenger, Gasoline   | Vehicle       | September-18 | 76,362         | 2.9%              | 75,877       | 3.0%              |
| Passenger, Hybrid   | Vehicle       | September-18 | 1,134          | 2.2%              | 1,131        | 3.1%              |
| Passenger, Misc Fuel  | Vehicle       | September-18 | 84             | -2.3%             | 84           | -3.2%             |
| Freight, Electric   | Vehicle       | September-18 | -              | N/A               | -            | N/A               |
| Freight, Diesel   | Vehicle       | September-18 | 2,209          | 2.4%              | 2,187        | 3.3%              |
| Freight, Gasoline   | Vehicle       | September-18 | 1,858          | 3.6%              | 1,830        | 2.5%              |
| Freight, Hybrid   | Vehicle       | September-18 | 2              | 0.0%              | 2            | 0.0%              |
| Freight, Misc Fuel  | Vehicle       | September-18 | -              | N/A               | -            | N/A               |
| <b>Electricity Production and Sale by Utility Companies</b> |               |              |                |                   |              |                   |
| <b>Electricity Consumers</b>                                |               |              |                |                   |              |                   |
| All Sectors   | Consumers     | August-18    | 37,600         | 0.7%              | 37,552       | 0.8%              |
| Residential   | Consumers     | August-18    | 28,979         | 0.6%              | 28,933       | 0.7%              |
| Commercial  | Consumers     | August-18    | 4,892          | 1.3%              | 4,890        | 1.8%              |
| Street Lights   | Consumers     | August-18    | 3,729          | 0.3%              | 3,729        | 0.8%              |
| <b>Electric Meters</b>                                      |               |              |                |                   |              |                   |
| All Sectors   | Meters        | August-18    | 37,600         | 0.7%              | 37,552       | 0.8%              |
| Residential   | Meters        | August-18    | 28,979         | 0.6%              | 28,933       | 0.7%              |
| Commercial  | Meters        | August-18    | 4,892          | 1.3%              | 4,890        | 1.8%              |
| Street Lights   | Meters        | August-18    | 3,729          | 0.3%              | 3,729        | 0.8%              |
| <b>Electricity Sale (KWH Sold)</b>                          |               |              |                |                   |              |                   |
| All Sectors   | KWH           | August-18    | 40,223,522     | -0.1%             | 298,338,416  | 1.0%              |
| Residential   | KWH           | August-18    | 15,618,364     | 0.8%              | 115,955,110  | 3.1%              |
| Commercial  | KWH           | August-18    | 24,534,160     | -0.6%             | 181,815,467  | -0.3%             |
| Street Lights   | KWH           | August-18    | 70,998         | 0.1%              | 567,839      | -4.5%             |
| <b>Net Revenue of Utility Companies</b>                     |               |              |                |                   |              |                   |
| All Sectors   | Dollars       | August-18    | 14,366,981     | 12.0%             | 105,850,136  | 8.8%              |
| Residential   | Dollars       | August-18    | 5,806,653      | 12.7%             | 42,758,091   | 10.7%             |
| Commercial  | Dollars       | August-18    | 8,501,219      | 11.6%             | 62,611,765   | 7.5%              |
| Street Lights   | Dollars       | August-18    | 59,109         | 2.7%              | 480,280      | 1.8%              |
| <b>Electricity Retail Prices (Net Revenue per KWH Sold)</b> |               |              |                |                   |              |                   |
| All Sectors   | Cents/KWh     | August-18    | 35.72          | 12.1%             | 35.48        | 7.7%              |
| Residential   | Cents/KWh     | August-18    | 37.18          | 11.9%             | 36.87        | 7.4%              |
| Commercial  | Cents/KWh     | August-18    | 34.65          | 12.3%             | 34.44        | 7.8%              |
| Street Lights   | Cents/KWh     | August-18    | 83.25          | 2.6%              | 84.58        | 6.6%              |
| <b>Electricity Production</b>                               |               |              |                |                   |              |                   |
| Electricity Sent to System by Electric Utility Companies    | KWH           | August-18    | 43,907,884     | 0.8%              | 313,947,781  | 1.6%              |
| Electricity Generated at the Electric Utility Stations      | KWH           | August-18    | 29,597,664     | 9.3%              | 207,083,395  | 2.8%              |
| - Generated by Steam  | KWH           | August-18    | 15,450         | N/A               | 1,357,260    | -19.5%            |
| - Generated by Diesel                                       | KWH           | August-18    | 29,582,214     | 10.9%             | 202,532,590  | 4.0%              |
| - Generated by Hydro and Wind                               | KWH           | August-18    | -              | -100.0%           | 3,193,545    | -36.4%            |
| Electricity Purchased from Independent Power Plant          | KWH           | August-18    | 15,185,978     | -11.7%            | 113,091,503  | -0.5%             |
| Electricity Used by Electric Utility Stations               | KWH           | August-18    | 875,758        | 24.5%             | 6,227,117    | 2.8%              |
| <b>Fuel Oil Used by Utility Companies</b>                   |               |              |                |                   |              |                   |
| Barrels of Oil Consumed                                     | Barrels       | August-18    | -              | N/A               | -            | N/A               |
| Total Cost of Oil Consumed                                  | Dollars       | August-18    | 0.00           | N/A               | N/A          | N/A               |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | August-18    | 0.00           | N/A               | N/A          | N/A               |
| Month-end price per barrel                                  | Dollars       | August-18    | 0.00           | N/A               | N/A          | N/A               |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | August-18    | 0.00           | N/A               | N/A          | N/A               |
| <b>Diesel Oil Used by Utility Companies</b>                 |               |              |                |                   |              |                   |
| Barrels of Oil Consumed                                     | Barrels       | August-18    | 50,052         | 12.2%             | 349,109      | 5.1%              |
| Total Cost of Oil Consumed                                  | Dollars       | August-18    | 4,612,412      | 60.5%             | 30,873,415   | 33.1%             |
| Ave Cost/Bbl of Oil Consumed                                | Dollars       | August-18    | 92.15          | 43.0%             | 88.43        | 26.7%             |
| Month-end price per barrel                                  | Dollars       | August-18    | 102.05         | 36.2%             | 98.68        | 27.8%             |
| Cost of Oil/KWH Generated                                   | Dollar/KWh    | August-18    | 0.156          | 44.7%             | 0.152        | 27.2%             |
| <b>Energy Cost Adjustment Factor</b>                        |               |              |                |                   |              |                   |
| Schedule D, G, J, L, P, SL                                  | \$/KWH        | September-18 | 0.01399        | -149.3%           | 0.00311      | -111.7%           |

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

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