

# MONTHLY ENERGY TREND HIGHLIGHTS

## October 2022 Highlights

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### Crude Oil Prices:

In October 2022, 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 \$87.03 per barrel in October 2022 which was up \$5.93 (7.3%) per barrel from the same month last year. Compared to September 2022, it was an increase of \$3.23 (3.9%) per barrel.

### Refinery Processing:

According to the most recent data available, Hawaii's refineries imported 1.5 million barrels of foreign crude oil in August 2022. This was a decrease of 1.4 million barrels (47.5%) from the same month last year. Compared to July 2022, it was a decrease of 1.8 million barrels (54.2%).

### Gasoline Prices:

In October 2022, the regular gasoline price in Hawaii averaged \$5.217 per gallon, which was \$1.381 per gallon (36.0%) higher than the national average for the same month.

Hawaii's regular gasoline price in October 2022 was an increase of \$1.024 per gallon (24.4%) from the same month last year, but a decrease of 5.0 cents per gallon (0.9%) from September 2022.

The national average price for regular gasoline in October 2022 was \$3.836 per gallon, an increase of 52.2 cents per gallon (15.8%) from the same month last year, and an increase of 10.4 cents per gallon (2.8%) from September 2022.

The average prices of regular gasoline within the State in October 2022 were as follows: Kauai, \$5.558; Wailuku, \$5.323; Oahu, \$5.177; and Hilo, \$5.080.

### Diesel Fuel Prices:

The national average price for diesel in October 2022 was \$5.182 per gallon which was an increase of \$1.665 (47.4%) from the same month a year ago, and an increase of 21.0 cents (4.2%) from September 2022.

Hawaii's average price for diesel in October 2022 was \$6.106 per gallon which increased \$1.590 (35.2%) per gallon from the same month last year and remained relatively unchanged from September 2022. Hawaii's diesel price was \$0.924 per gallon (17.8%) higher than the national average.

In October 2022, the average prices per gallon for diesel among Hawaii's market were as follows: Kauai, \$6.673; Hilo, \$6.226; Wailuku, \$6.196; and Oahu, \$5.971.

### Gasoline Consumption:

Hawaii's statewide consumption for gasoline in August 2022, as measured by the gasoline tax base, was 37.2 million gallons, which decreased 0.2 million gallons (0.7%) from the same month a year ago. Gasoline in August 2022 was mainly consumed in Honolulu (58.0%), followed by Hawaii County (19.5%), Maui County (15.3%), and Kauai County (7.2%).

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

Hawaii's August 2022 consumption for highway use diesel was 4.9 million gallons, which increased 0.8 million gallons (19.0%) from the same month last year. Highway use diesel in August 2022 was mainly consumed in Honolulu (59.5%), followed by Hawaii County (22.6%), Maui County (12.1%), and Kauai County (5.8%).

### **Aviation Fuel Consumption:**

In August 2022, data from the Department of Taxation showed statewide aviation fuel consumption was 27.8 million gallons, which decreased 0.9 million gallons (3.0%) from the same month a year ago. The aviation fuel was shipped to the various counties as follows: City and County of Honolulu (43.2%), Maui County (31.9%), Hawaii County (15.7%), and Kauai County (9.2%).

### **Registered Taxable Vehicles:**

As of October 2022, there were 1,061,878 registered passenger vehicles in the state, an increase of 7,925 vehicles (0.8%) from the same month last year and an increase of 1,935 vehicles (0.2%) from September 2022. The number of passenger gasoline vehicles was 1,007,265, which was 94.9% of total passenger vehicles. It represents an increase of 2,043 vehicles (0.2%) from the same period last year, and an increase of 1,219 vehicles (0.1%) from September 2022.

In October 2022, the number of passenger electric vehicles in the state was 21,506, an increase of 4,467 vehicles (26.2%) from the same month last year, and an increase of 516 vehicles (2.5%) from September 2022. The number of passenger hybrid vehicles in the state in this month was 25,356, accounting for 2.4% of the total passenger vehicles. It represents an increase of 7.2% from the same month last year and an increase of 0.7% from September 2022.

In October 2022, there were 50,637 registered freight gasoline vehicles, a 1.2% increase from the same period last year, and a 0.2% increase from September 2022. The number of freight diesel vehicles in October 2022 was 23,924, a 0.3% increase from the same period last year, and a 0.1% increase from September 2022.

Monthly Energy Trend: State Month of Oct - 2022						
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	October 22	87.03	7.3%	97.02	45.9%
Europe Brent Spot Price	\$ per Barrel	October 22	93.40	11.8%	103.71	49.7%
<b>Gasoline and Diesel Prices</b>						
Gasoline - Regular, National	\$ per Gallon	October 22	3.836	15.8%	4.062	37.6%
Gasoline -Mid Grade, National	\$ per Gallon	October 22	4.287	17.4%	4.461	35.6%
Gasoline -Premium, National	\$ per Gallon	October 22	4.600	17.1%	4.752	33.5%
Diesel, National	\$ per Gallon	October 22	5.182	47.4%	4.960	58.6%
Gasoline - Regular, State	\$ per Gallon	October 22	5.217	24.4%	5.134	34.2%
Gasoline -Mid Grade, State	\$ per Gallon	October 22	5.455	24.4%	5.344	32.9%
Gasoline -Premium, State	\$ per Gallon	October 22	5.698	22.9%	5.587	31.0%
Diesel, State	\$ per Gallon	October 22	6.106	35.2%	5.681	32.9%
<b>Fuel Surcharges</b>						
Matson Navigation Company	Percentage	October 22	50.00%	38.9%	45.53%	36.1%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	August 22	1,497	-47.5%	14,775	-9.5%
Distillate	1000 Barrels	August 22	45	N/A	320	N/A
Jet Fuel, Kerosene	1000 Barrels	August 22	644	-50.5%	5,821	51.6%
Residual Fuel Oil	1000 Barrels	August 22	-	N/A	-	N/A
Propane	1000 Barrels	August 22	65	-12.2%	571	5.7%
Fuel Ethanol	1000 Barrels	August 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	August 22	310	91.4%	3,055	33.1%
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	August 22	37,235,714	-0.7%	279,826,415	0.5%
Diesel Oil (non-hwy)	Gallons	August 22	14,912,391	20.3%	102,038,413	20.4%
Diesel Oil (hwy use)	Gallons	August 22	4,929,828	19.0%	35,134,901	18.0%
LPG (off hwy)	Gallons	August 22				
LPG (hwy use)	Gallons	August 22	1,571	-38.5%	16,867	36.4%
Small Boat (gas)	Gallons	August 22	103,777	44.3%	859,193	98.8%
Small Boat (diesel)	Gallons	August 22	317,484	-17.0%	2,949,263	-17.7%
Aviation Fuel	Gallons	August 22	27,803,364	-3.0%	208,276,760	22.5%
Other Fuel	Gallons	August 22	2,687,832	30.4%	15,894,994	-1.4%
Agricultural Refund	Gallons	August 22	42,640	2551.7%	1,158,477	232.3%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	October 22	21,506	26.2%	19,781	30.5%
Passenger, Diesel	Vehicle	October 22	7,399	0.4%	7,391	1.0%
Passenger, Gasoline	Vehicle	October 22	1,007,265	0.2%	1,003,255	0.1%
Passenger, Hybrid	Vehicle	October 22	25,356	7.2%	24,562	5.8%
Passenger, Misc Fuel	Vehicle	October 22	352	-47.9%	386	-40.7%
Freight, Electric	Vehicle	October 22	46	64.3%	35	26.3%
Freight, Diesel	Vehicle	October 22	23,924	0.3%	23,883	0.0%
Freight, Gasoline	Vehicle	October 22	50,637	1.2%	50,326	1.5%
Freight, Hybrid	Vehicle	October 22	123	57.7%	105	43.9%
Freight, Misc Fuel	Vehicle	October 22	35	-36.4%	39	-34.0%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	June 22	510,593	0.5%	509,678	0.5%
Residential	Consumers	June 22	444,877	0.3%	444,819	0.4%
Commercial	Consumers	June 22	61,113	2.0%	60,262	0.8%
Street Lights	Consumers	June 22	4,603	0.3%	4,597	0.1%
<b>Electric Meters</b>						
All sectors	Meters	June 22	508,610	0.3%	508,478	0.4%
Residential	Meters	June 22	444,958	0.3%	444,839	0.4%
Commercial	Meters	June 22	59,701	0.3%	59,699	0.5%
Street Lights	Meters	June 22	3,951	0.4%	3,941	0.2%
<b>Electricity Sale (KWH sold)</b>						
All Sectors	KWH	June 22	718,741,748	-1.9%	4,207,655,987	1.7%
Residential	KWH	June 22	211,350,063	-5.7%	1,246,499,303	-1.8%
Commercial	KWH	June 22	505,623,991	-0.1%	2,958,955,961	3.8%
Street Lights	KWH	June 22	1,767,694	-16.0%	2,200,723	-84.1%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	June 22	294,992,790	34.7%	1,591,488,173	30.1%
Residential	Dollars	June 22	96,309,867	27.7%	520,741,644	24.1%
Commercial	Dollars	June 22	197,724,076	38.4%	1,067,802,275	33.6%
Street Lights	Dollars	June 22	958,847	33.7%	2,944,253	-35.2%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	June 22	41.04	37.2%	37.82	27.9%
Residential	Cents/KWh	June 22	45.57	35.5%	41.78	26.4%
Commercial	Cents/KWh	June 22	39.10	38.5%	36.09	28.8%
Street Lights	Cents/KWh	June 22	54.24	59.3%	133.79	306.7%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	June 22	758,872,440	-1.5%	4,427,180,853	2.5%
Electricity Generated at the Electric Utility Stations	KWH	June 22	410,193,358	1.1%	2,547,638,330	5.4%
- Generated by Steam	KWH	June 22	283,110,585	-3.8%	1,794,434,876	4.2%
- Generated by Diesel	KWH	June 22	120,994,482	15.4%	718,923,642	9.8%
- Generated by Biodiesel	KWH	June 22	1,470,033	-44.6%	9,414,071	-38.6%
- Generated by Solar	KWH	June 22	3,575,382	6.8%	18,469,617	-4.4%
- Generated by Hydro and Wind	KWH	June 22	1,042,876	92.4%	6,396,125	19.8%
Electricity Purchased from Independent Power Plant	KWH	June 22	372,913,065	-4.3%	2,027,215,389	-1.0%
Electricity Used by Electric Utility Stations	KWH	June 22	24,233,983	-3.9%	147,672,866	1.5%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	470,241	-4.2%	3,007,996	4.7%
Total Cost of Oil Consumed	Dollars	June 22	70,628,495	83.8%	354,317,578	77.7%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	150.20	91.8%	117.79	69.8%
Month-end price per barrel	Dollars	June 22	134.90	79.3%	110.40	62.9%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.270	90.7%	0.211	69.5%
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	201,880	12.6%	1,217,745	8.0%
Total Cost of Oil Consumed	Dollars	June 22	32,351,980	112.9%	153,832,523	81.9%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	160.25	89.0%	126.33	68.4%
Month-end price per barrel	Dollars	June 22	178.61	90.0%	143.86	69.0%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.280	84.9%	0.227	66.9%
<b>Biodiesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	2,302	-44.5%	14,755	-38.6%
Total Cost of Oil Consumed	Dollars	June 22	454,038	-161.3%	2,617,694	-140.1%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	197.24	-210.4%	177.41	-165.2%
Month-end price per barrel	Dollars	June 22	185.92	591.2%	174.54	-634.5%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.350	-216.7%	0.342	-168.1%

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 Oct - 2022						
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	October 22	5.177	25.9%	5.041	35.3%
Gasoline - Mid Grade	\$ per Gallon	October 22	5.445	25.2%	5.286	33.1%
Gasoline - Premium	\$ per Gallon	October 22	5.711	23.7%	5.555	31.3%
Diesel	\$ per Gallon	October 22	5.971	34.8%	5.550	32.0%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	August 22	1,497	-47.5%	14,775	-9.5%
Distillate	1000 Barrels	August 22	45	N/A	320	N/A
Jet Fuel, Kerosene	1000 Barrels	August 22	644	-50.5%	5,821	51.6%
Residual Fuel Oil	1000 Barrels	August 22	-	N/A	-	N/A
Propane	1000 Barrels	August 22	-	N/A	45	N/A
Fuel Ethanol	1000 Barrels	August 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	August 22	310	105.3%	3,055	33.8%
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	August 22	21,606,484	-3.0%	162,695,116	-3.1%
Diesel Oil (non-hwy)	Gallons	August 22	4,690,539	55.5%	38,430,664	46.8%
Diesel Oil (hwy use)	Gallons	August 22	2,933,398	33.7%	20,949,457	44.5%
LPG (off hwy)	Gallons					
LPG (hwy use)	Gallons	August 22	1,281	-49.6%	15,117	33.6%
Small Boat (gas)	Gallons	August 22	70,908	101.0%	595,627	245.1%
Small Boat (diesel)	Gallons	August 22	317,484	-17.0%	2,949,263	-17.7%
Aviation Fuel	Gallons	August 22	12,002,129	10.4%	85,010,764	30.1%
Other Fuel	Gallons	August 22	113,634	-6.6%	750,686	-17.0%
Agricultural Refund	Gallons	August 22	-	-100.0%	614,380	199.5%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	October 22	16,630	23.8%	15,415	29.3%
Passenger, Diesel	Vehicle	October 22	2,331	0.3%	2,324	0.6%
Passenger, Gasoline	Vehicle	October 22	596,932	-0.2%	596,096	0.1%
Passenger, Hybrid	Vehicle	October 22	17,658	8.2%	17,096	7.3%
Passenger, Misc Fuel	Vehicle	October 22	214	-46.1%	233	-37.1%
Freight, Electric	Vehicle	October 22	40	48.1%	32	22.3%
Freight, Diesel	Vehicle	October 22	10,730	-1.4%	10,746	-2.1%
Freight, Gasoline	Vehicle	October 22	34,397	0.6%	34,298	1.1%
Freight, Hybrid	Vehicle	October 22	112	57.7%	95	45.2%
Freight, Misc Fuel	Vehicle	October 22	28	-39.1%	31	-37.6%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	June 22	308,611	0.2%	308,669	0.3%
Residential	Consumers	June 22	274,958	0.2%	275,004	0.3%
Commercial	Consumers	June 22	33,214	0.1%	33,223	0.2%
Street Lights	Consumers	June 22	439	-0.5%	442	-0.3%
<b>Electric Meters</b>						
All Sectors	Meters	June 22	308,227	0.2%	308,251	0.3%
Residential	Meters	June 22	275,032	0.2%	275,035	0.3%
Commercial	Meters	June 22	33,078	-0.1%	33,100	0.1%
Street Lights	Meters	June 22	117	-1.7%	117	-1.5%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	June 22	504,114,757	-2.4%	2,953,768,876	0.4%
Residential	KWH	June 22	127,956,811	-6.8%	750,148,240	-3.6%
Commercial	KWH	June 22	375,126,298	-0.7%	2,205,693,686	2.4%
Street Lights	KWH	June 22	1,031,648	-26.9%	-2,073,050	-121.5%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	June 22	196,109,204	35.6%	1,061,907,346	30.5%
Residential	Dollars	June 22	56,267,943	27.9%	302,712,436	23.4%
Commercial	Dollars	June 22	139,248,786	39.0%	758,209,811	34.0%
Street Lights	Dollars	June 22	592,475	30.5%	985,099	-66.9%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	June 22	38.90	38.9%	35.95	29.9%
Residential	Cents/KWh	June 22	43.97	37.2%	40.35	28.0%
Commercial	Cents/KWh	June 22	37.12	40.0%	34.38	30.9%
Street Lights	Cents/KWh	June 22	57.43	78.6%	-47.52	-254.0%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	June 22	531,499,367	-2.0%	3,100,809,224	1.5%
Electricity Generated at the Electric Utility Stations	KWH	June 22	274,070,218	-2.0%	1,708,106,515	3.7%
- Generated by Steam	KWH	June 22	265,660,019	-0.7%	1,626,541,860	4.0%
- Generated by Diesel	KWH	June 22	3,364,784	-47.1%	53,680,968	12.3%
- Generated by Biodiesel	KWH	June 22	1,470,033	-44.6%	9,414,071	-38.6%
- Generated by Solar	KWH	June 22	3,575,382	6.8%	18,469,617	-4.4%
- Generated by Hydro and Wind	KWH	June 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	June 22	276,416,874	-2.0%	1,505,862,676	-1.0%
Electricity Used by Electric Utility Stations	KWH	June 22	18,987,725	-1.8%	113,159,967	1.6%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	431,301	-0.4%	2,648,433	4.7%
Total Cost of Oil Consumed	Dollars	June 22	66,031,520	92.5%	320,050,137	80.2%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	153.10	93.3%	120.85	72.2%
Month-end price per barrel	Dollars	June 22	162.58	98.0%	130.33	76.9%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.270	92.9%	0.212	71.6%
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	8,481	-51.8%	143,763	8.7%
Total Cost of Oil Consumed	Dollars	June 22	1,318,820	-2.8%	16,054,118	78.3%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	155.50	101.4%	111.67	64.0%
Month-end price per barrel	Dollars	June 22	145.43	89.1%	123.72	77.3%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.440	91.3%	0.348	69.9%
<b>Biodiesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	2,302	-44.5%	14,755	-38.6%
Total Cost of Oil Consumed	Dollars	June 22	454,038	-161.3%	2,617,694	-140.1%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	197.24	-210.4%	177.41	-165.2%
Month-end price per barrel	Dollars	June 22	185.92	591.2%	174.54	-634.5%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.350	-216.7%	0.342	-168.1%
<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	October 22	0.29205	103.8%	0.23200	75.9%

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 Month of Oct - 2022						
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	October 22	5.323	25.2%	5.285	35.9%
Gasoline - Mid Grade	\$ per Gallon	October 22	5.548	25.3%	5.496	35.4%
Gasoline - Premium	\$ per Gallon	October 22	5.551	19.8%	5.620	31.8%
Diesel	\$ per Gallon	October 22	6.196	34.0%	5.801	33.2%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	August 22	-	N/A	-	N/A
Distillate	1000 Barrels	August 22	-	N/A	-	N/A
Jet Fuel, Kerosene	1000 Barrels	August 22	-	N/A	-	N/A
Residual Fuel Oil	1000 Barrels	August 22	-	N/A	-	N/A
Propane	1000 Barrels	August 22	24	-52.0%	173	-19.9%
Fuel Ethanol	1000 Barrels	August 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	August 22	-	N/A	-	N/A
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	August 22	5,711,810	1.8%	42,653,687	3.3%
Diesel Oil (non-hwy)	Gallons	August 22	5,682,648	1.3%	34,842,973	3.4%
Diesel Oil (hwy use)	Gallons	August 22	594,719	10.2%	3,886,583	6.6%
LPG (off hwy)	Gallons					
LPG (hwy use)	Gallons	August 22	-	N/A	9	-83.1%
Small Boat (gas)	Gallons	August 22	4,282	-19.7%	45,030	35.6%
Small Boat (diesel)	Gallons	August 22	-	N/A	-	N/A
Aviation Fuel	Gallons	August 22	8,870,368	-9.6%	70,281,002	13.2%
Other Fuel	Gallons	August 22	22,795	-1.1%	186,646	32.5%
Agricultural Refund	Gallons	August 22	-	N/A	372,428	511.4%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	October 22	2,522	31.1%	2,299	30.9%
Passenger, Diesel	Vehicle	October 22	1,372	2.3%	1,365	1.5%
Passenger, Gasoline	Vehicle	October 22	156,866	0.9%	155,672	0.2%
Passenger, Hybrid	Vehicle	October 22	3,479	4.8%	3,323	-0.2%
Passenger, Misc Fuel	Vehicle	October 22	92	-57.2%	103	-52.7%
Freight, Electric	Vehicle	October 22	2	N/A	0	N/A
Freight, Diesel	Vehicle	October 22	3,748	2.4%	3,728	2.3%
Freight, Gasoline	Vehicle	October 22	6,982	3.6%	6,849	2.9%
Freight, Hybrid	Vehicle	October 22	5	150.0%	4	62.5%
Freight, Misc Fuel	Vehicle	October 22	4	-20.0%	5	-8.0%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	June 22	69,763	1.8%	68,926	0.7%
Residential	Consumers	June 22	58,888	0.2%	58,882	0.3%
Commercial	Consumers	June 22	10,670	11.5%	9,839	3.1%
Street Lights	Consumers	June 22	205	0.5%	205	0.2%
<b>Electric Meters</b>						
All Sectors	Meters	June 22	68,548	0.3%	68,531	0.4%
Residential	Meters	June 22	58,887	0.2%	58,869	0.3%
Commercial	Meters	June 22	9,649	1.1%	9,650	1.3%
Street Lights	Meters	June 22	12	9.1%	12	7.6%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	June 22	84,900,840	0.4%	488,811,392	6.0%
Residential	KWH	June 22	30,932,183	-3.8%	180,461,386	0.0%
Commercial	KWH	June 22	53,557,179	3.0%	306,025,743	9.9%
Street Lights	KWH	June 22	411,478	8.6%	2,324,263	1.7%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	June 22	37,989,990	34.6%	199,648,341	30.3%
Residential	Dollars	June 22	14,337,847	28.3%	75,958,548	24.5%
Commercial	Dollars	June 22	23,477,898	38.6%	122,792,448	34.2%
Street Lights	Dollars	June 22	174,245	49.3%	897,345	27.9%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	June 22	44.75	34.0%	40.84	22.9%
Residential	Cents/KWh	June 22	46.35	33.4%	42.09	24.4%
Commercial	Cents/KWh	June 22	43.84	34.6%	40.12	22.1%
Street Lights	Cents/KWh	June 22	42.35	37.5%	38.61	25.8%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	June 22	88,319,795	-1.1%	514,142,278	5.5%
Electricity Generated at the Electric Utility Stations	KWH	June 22	66,012,664	-2.9%	426,397,968	13.1%
- Generated by Steam	KWH	June 22	10,555,846	-16.5%	86,776,066	28.0%
- Generated by Diesel	KWH	June 22	55,456,818	0.2%	339,621,902	9.8%
- Generated by Hydro and Wind	KWH	June 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	June 22	25,299,113	3.8%	106,889,611	-16.6%
Electricity Used by Electric Utility Stations	KWH	June 22	2,991,982	-1.5%	19,145,301	8.9%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	24,536	-12.9%	195,237	27.0%
Total Cost of Oil Consumed	Dollars	June 22	2,816,011	43.4%	18,298,864	93.0%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	114.77	64.7%	93.73	52.0%
Month-end price per barrel	Dollars	June 22	118.49	67.5%	101.13	55.8%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.270	68.8%	0.215	53.6%
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	85,401	-1.1%	522,529	8.1%
Total Cost of Oil Consumed	Dollars	June 22	14,421,803	101.0%	67,026,798	89.1%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	168.87	103.3%	128.27	75.0%
Month-end price per barrel	Dollars	June 22	166.57	89.5%	138.71	78.7%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.260	100.0%	0.198	75.0%
<b>Biodiesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	June 22	-	N/A	-	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	-	N/A	-	N/A
Month-end price per barrel	Dollars	June 22	-	N/A	-	N/A
Cost of Oil/KWH Generated	Dollar/KWh	June 22	-	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	October 22	0.28147	54.4%	0.25696	49.2%

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: Lanai Month of Oct - 2022						
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 22	1,749	-0.1%	1,752	0.2%
Residential	Consumers	June 22	1,489	-0.4%	1,493	-0.1%
Commercial	Consumers	June 22	256	2.0%	256	1.8%
Street Lights	Consumers	June 22	4	0.0%	4	0.0%
<b>Electric Meters</b>						
All Sectors	Meters	June 22	1,752	-0.1%	1,756	0.2%
Residential	Meters	June 22	1,489	-0.4%	1,493	0.0%
Commercial	Meters	June 22	262	1.9%	262	1.8%
Street Lights	Meters	June 22	1	0.0%	1	0.0%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	June 22	2,956,074	0.4%	17,052,685	1.2%
Residential	KWH	June 22	712,201	-0.8%	4,261,075	-1.3%
Commercial	KWH	June 22	2,233,398	0.8%	12,728,370	2.0%
Street Lights	KWH	June 22	10,475	0.0%	63,240	0.0%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	June 22	1,759,869	45.2%	8,891,724	33.0%
Residential	Dollars	June 22	425,321	43.8%	2,206,594	29.8%
Commercial	Dollars	June 22	1,328,318	45.7%	6,652,466	34.2%
Street Lights	Dollars	June 22	6,230	44.9%	32,664	31.9%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	June 22	59.53	44.7%	52.14	31.5%
Residential	Cents/KWh	June 22	59.72	44.9%	51.78	31.5%
Commercial	Cents/KWh	June 22	59.48	44.6%	52.26	31.5%
Street Lights	Cents/KWh	June 22	59.47	44.9%	51.65	31.9%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	June 22	3,036,438	-0.6%	17,821,951	0.7%
Electricity Generated at the Electric Utility Stations	KWH	June 22	3,085,099	1.3%	18,103,840	2.6%
- Generated by Steam	KWH	June 22	-	N/A	-	N/A
- Generated by Diesel	KWH	June 22	3,085,099	1.3%	18,103,840	2.6%
- Generated by Hydro and Wind	KWH	June 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	June 22	30,401	-66.3%	190,413	-60.1%
Electricity Used by Electric Utility Stations	KWH	June 22	79,062	-4.5%	472,302	-3.4%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	June 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0	N/A	N/A	N/A
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	5,287	0.0%	30,981	1.5%
Total Cost of Oil Consumed	Dollars	June 22	1,095,532	75.1%	5,149,367	52.5%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	207.21	75.0%	166.21	50.3%
Month-end price per barrel	Dollars	June 22	214.8	75.5%	177.99	55.2%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.350	66.7%	0.283	47.8%
<b>Biodiesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	June 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	June 22	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	October 22	0.37815	55.3%	0.36206	54.7%

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 Oct - 2022						
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 22	3,281	0.2%	3,281	0.3%
Residential	Consumers	June 22	2,734	0.4%	2,733	0.4%
Commercial	Consumers	June 22	538	-0.7%	539	-0.1%
Street Lights	Consumers	June 22	9	0.0%	9	1.9%
<b>Electric Meters</b>						
All Sectors	Meters	June 22	3,267	0.2%	3,267	0.3%
Residential	Meters	June 22	2,734	0.4%	2,733	0.4%
Commercial	Meters	June 22	533	-0.7%	534	-0.1%
Street Lights	Meters	June 22	-	N/A	-	N/A
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	June 22	2,309,056	-6.7%	13,919,242	0.6%
Residential	KWH	June 22	890,757	-7.2%	5,530,157	-0.1%
Commercial	KWH	June 22	1,381,307	-6.6%	8,164,508	1.1%
Street Lights	KWH	June 22	36,992	-0.2%	224,577	2.0%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	June 22	1,286,763	39.4%	6,664,038	33.3%
Residential	Dollars	June 22	511,744	37.7%	2,707,074	32.4%
Commercial	Dollars	June 22	755,346	40.3%	3,854,006	34.0%
Street Lights	Dollars	June 22	19,673	47.8%	102,958	36.2%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	June 22	55.73	49.4%	47.88	32.5%
Residential	Cents/KWh	June 22	57.45	48.4%	48.95	32.5%
Commercial	Cents/KWh	June 22	54.68	50.2%	47.20	32.6%
Street Lights	Cents/KWh	June 22	53.18	48.1%	45.85	33.5%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	June 22	2,594,090	-3.3%	15,398,667	1.6%
Electricity Generated at the Electric Utility Stations	KWH	June 22	2,693,720	-3.4%	16,015,660	1.4%
- Generated by Steam	KWH	June 22	-	N/A	-	N/A
- Generated by Diesel	KWH	June 22	2,693,720	-3.4%	16,015,660	1.4%
- Generated by Hydro and Wind	KWH	June 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	June 22	(70)	-114.1%	2,312	-21.0%
Electricity Used by Electric Utility Stations	KWH	June 22	99,560	-6.7%	619,305	-1.4%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	June 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0	N/A	N/A	N/A
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	4,519	-6.7%	27,018	-0.4%
Total Cost of Oil Consumed	Dollars	June 22	737,224	82.6%	3,427,910	61.5%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	163.14	95.8%	126.88	62.2%
Month-end price per barrel	Dollars	June 22	190.10	113.7%	140.68	71.9%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.270	92.9%	0.213	62.0%
<b>Biodiesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	June 22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	June 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	June 22	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	October 22	0.36404	79.1%	0.30870	72.3%

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., 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 Oct - 2022						
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	October 22	5.080	20.2%	5.130	30.8%
Gasoline - Mid Grade	\$ per Gallon	October 22	5.285	19.3%	5.343	29.6%
Gasoline - Premium	\$ per Gallon	October 22	5.582	19.3%	5.653	28.9%
Diesel	\$ per Gallon	October 22	6.226	37.4%	5.787	34.3%
Foreign Imports						
Crude Oil	1000 Barrels	August 22	-	N/A	-	N/A
Distillate	1000 Barrels	August 22	-	N/A	-	N/A
Jet Fuel, Kerosene	1000 Barrels	August 22	-	N/A	-	N/A
Residual Fuel Oil	1000 Barrels	August 22	-	N/A	-	N/A
Propane	1000 Barrels	August 22	13	30.0%	203	4.6%
Fuel Ethanol	1000 Barrels	August 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	August 22	-	N/A	-	N/A
Liquid Fuel Tax Base						
Gasoline	Gallons	August 22	7,246,894	3.1%	54,827,063	6.6%
Diesel Oil (non-hwy)	Gallons	August 22	3,706,319	17.1%	23,275,364	7.6%
Diesel Oil (hwy use)	Gallons	August 22	1,113,606	-0.2%	8,229,572	-13.6%
LPG (off hwy)	Gallons					
LPG (hwy use)	Gallons	August 22	188	1244.6%	1,021	50.4%
Small Boat (gas)	Gallons	August 22	28,587	-8.7%	218,536	-3.4%
Small Boat (diesel)	Gallons	August 22	-	N/A	-	N/A
Aviation Fuel	Gallons	August 22	4,378,955	-16.5%	32,728,390	3.7%
Other Fuel	Gallons	August 22	1,344,302	23.1%	6,841,231	-14.1%
Agricultural Refund	Gallons	August 22	42,566	N/A	150,298	129.3%
Registered Vehicles, Taxable						
Passenger, Electric	Vehicle	October 22	1,695	43.9%	1,471	42.0%
Passenger, Diesel	Vehicle	October 22	2,810	0.2%	2,805	1.1%
Passenger, Gasoline	Vehicle	October 22	179,838	1.0%	178,451	0.3%
Passenger, Hybrid	Vehicle	October 22	3,163	5.7%	3,100	5.3%
Passenger, Misc Fuel	Vehicle	October 22	40	-21.6%	42	-13.4%
Freight, Electric	Vehicle	October 22	3	N/A	1	N/A
Freight, Diesel	Vehicle	October 22	7,143	2.1%	7,097	2.0%
Freight, Gasoline	Vehicle	October 22	7,160	1.3%	7,114	1.7%
Freight, Hybrid	Vehicle	October 22	6	50.0%	6	31.8%
Freight, Misc Fuel	Vehicle	October 22	2	-33.3%	2	-30.3%
Electricity Production and Sale by Utility Companies						
Electricity Consumers						
All Sectors	Consumers	June 22	88,408	0.8%	88,310	0.9%
Residential	Consumers	June 22	76,894	0.9%	76,803	1.0%
Commercial	Consumers	June 22	11,351	0.4%	11,342	0.7%
Street Lights	Consumers	June 22	163	-0.6%	164	0.5%
Electric Meters						
All Sectors	Meters	June 22	88,035	0.8%	87,933	0.9%
Residential	Meters	June 22	76,902	0.9%	76,806	1.0%
Commercial	Meters	June 22	11,095	0.3%	11,089	0.7%
Street Lights	Meters	June 22	38	0.0%	38	0.0%
Electricity Sale (KWH Sold)						
All Sectors	KWH	June 22	85,597,908	-2.0%	514,582,238	2.7%
Residential	KWH	June 22	34,689,287	-5.3%	214,566,899	0.2%
Commercial	KWH	June 22	50,695,248	0.3%	298,735,808	4.6%
Street Lights	KWH	June 22	213,373	5.1%	1,279,531	6.1%
Net Revenue of Utility Companies						
All Sectors	Dollars	June 22	42,677,983	39.4%	229,998,224	32.1%
Residential	Dollars	June 22	18,241,712	33.5%	100,951,996	29.0%
Commercial	Dollars	June 22	24,329,597	44.1%	128,473,213	34.6%
Street Lights	Dollars	June 22	106,674	48.5%	573,015	35.6%
Electricity Retail Prices (Net Revenue per KWH Sold)						
All Sectors	Cents/KWh	June 22	49.86	42.2%	44.70	28.6%
Residential	Cents/KWh	June 22	52.59	41.0%	47.05	28.8%
Commercial	Cents/KWh	June 22	47.99	43.6%	43.01	28.7%
Street Lights	Cents/KWh	June 22	49.99	41.3%	44.78	27.7%
Electricity Production						
Electricity Sent to System by Electric Utility Companies	KWH	June 22	91,011,237	-1.7%	547,009,859	2.8%
Electricity Generated at the Electric Utility Stations	KWH	June 22	45,692,868	22.5%	283,050,476	0.1%
- Generated by Steam	KWH	June 22	6,894,720	-51.5%	81,116,950	-10.0%
- Generated by Diesel	KWH	June 22	38,092,548	66.9%	197,639,456	5.2%
- Generated by Hydro and Wind	KWH	June 22	705,600	179.8%	4,294,070	-7.9%
Electricity Purchased from Independent Power Plant	KWH	June 22	46,877,592	-18.5%	275,416,586	4.5%
Electricity Used by Electric Utility Stations	KWH	June 22	1,559,223	-30.4%	11,457,203	-20.0%
Fuel Oil Used by Utility Companies						
Barrels of Oil Consumed	Barrels	June 22	14,404	-51.4%	164,326	-13.2%
Total Cost of Oil Consumed	Dollars	June 22	1,780,964	-18.1%	15,968,577	30.3%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	123.64	68.4%	97.18	50.1%
Month-end price per barrel	Dollars	June 22	123.63	69.6%	99.74	54.0%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.260	73.3%	0.203	48.8%
Diesel Oil Used by Utility Companies						
Barrels of Oil Consumed	Barrels	June 22	65,861	66.7%	325,839	3.6%
Total Cost of Oil Consumed	Dollars	June 22	10,580,452	208.7%	42,347,344	77.8%
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	160.65	85.2%	129.96	71.7%
Month-end price per barrel	Dollars	June 22	157.91	88.5%	125.20	71.5%
Cost of Oil/KWH Generated	Dollar/KWh	June 22	0.320	77.8%	0.258	68.5%
Biodiesel Oil Used by Utility Companies						
Barrels of Oil Consumed	Barrels	June-22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	June 22	0	N/A	0	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	June 22	0.00	N/A	0.00	N/A
Month-end price per barrel	Dollars	June 22	0.00	N/A	0.00	N/A
Cost of Oil/KWH Generated	Dollar/KWh	June 22	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	October 22	0.26850	45.6%	0.26323	60.0%

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: Kauai Month of Oct - 2022						
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	October-22	5.558	25.5%	5.426	33.3%
Gasoline - Mid Grade	\$ per Gallon	October-22	5.865	26.6%	5.671	32.7%
Gasoline - Premium	\$ per Gallon	October-22	6.020	25.3%	5.808	31.5%
Diesel	\$ per Gallon	October-22	6.673	35.9%	6.121	33.1%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	August-22	-	N/A	-	N/A
Distillate	1000 Barrels	August-22	-	N/A	-	N/A
Jet Fuel, Kerosene	1000 Barrels	August-22	-	N/A	-	N/A
Residual Fuel Oil	1000 Barrels	August-22	-	N/A	-	N/A
Propane	1000 Barrels	August-22	28	100.0%	150	15.4%
Fuel Ethanol	1000 Barrels	August-22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	August-22	-	-100.0%	-	-100.0%
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	August 22	2,670,527	4.0%	19,650,550	10.4%
Diesel Oil (non-hwy)	Gallons	August 22	832,885	38.7%	5,489,412	70.7%
Diesel Oil (hwy use)	Gallons	August 22	288,105	-1.7%	2,069,289	-1.1%
LPG (off hwy)	Gallons					
LPG (hwy use)	Gallons	August 22	102	N/A	720	125.7%
Small Boat (gas)	Gallons	August 22	-	N/A	-	N/A
Small Boat (diesel)	Gallons	August 22	-	N/A	-	N/A
Aviation Fuel	Gallons	August 22	2,551,912	-6.8%	20,256,604	83.5%
Other Fuel	Gallons	August 22	1,207,101	46.4%	8,116,431	14.1%
Agricultural Refund	Gallons	August 22	74	N/A	21,370	25.5%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	October-22	659	30.0%	597	32.0%
Passenger, Diesel	Vehicle	October-22	886	-1.4%	898	1.1%
Passenger, Gasoline	Vehicle	October-22	73,629	0.0%	73,037	-0.8%
Passenger, Hybrid	Vehicle	October-22	1,056	3.7%	1,044	4.9%
Passenger, Misc Fuel	Vehicle	October-22	6	-50.0%	7	-43.2%
Freight, Electric	Vehicle	October-22	1	0.0%	1	0.0%
Freight, Diesel	Vehicle	October-22	2,303	-0.2%	2,313	0.4%
Freight, Gasoline	Vehicle	October-22	2,098	4.7%	2,064	4.1%
Freight, Hybrid	Vehicle	October-22	-	-100.0%	1	0.0%
Freight, Misc Fuel	Vehicle	October-22	1	0.0%	1	0.0%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	September-22	38,861	0.6%	38,774	0.5%
Residential	Consumers	September-22	29,973	0.5%	29,921	0.5%
Commercial	Consumers	September-22	5,097	1.1%	5,075	1.1%
Street Lights	Consumers	September-22	3,791	0.6%	3,778	0.3%
<b>Electric Meters</b>						
All Sectors	Meters	September-22	38,861	0.6%	38,774	0.5%
Residential	Meters	September-22	29,973	0.5%	29,921	0.5%
Commercial	Meters	September-22	5,097	1.1%	5,075	1.1%
Street Lights	Meters	September-22	3,791	0.6%	3,778	0.3%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	September-22	40,274,837	5.6%	342,346,787	6.7%
Residential	KWH	September-22	16,950,714	5.1%	143,410,482	3.9%
Commercial	KWH	September-22	23,266,623	6.1%	198,375,417	8.7%
Street Lights	KWH	September-22	57,500	-9.7%	560,888	-2.8%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	September-22	15,371,692	14.6%	131,672,399	17.4%
Residential	Dollars	September-22	6,663,119	14.5%	56,747,397	14.5%
Commercial	Dollars	September-22	8,652,030	14.7%	74,399,369	19.9%
Street Lights	Dollars	September-22	56,543	-0.6%	525,633	2.8%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	September-22	38.17	8.4%	38.46	10.1%
Residential	Cents/KWh	September-22	39.31	9.0%	39.57	10.1%
Commercial	Cents/KWh	September-22	37.19	8.1%	37.50	10.2%
Street Lights	Cents/KWh	September-22	98.34	10.1%	93.71	5.8%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	September-22	42,738,842	1.6%	361,307,872	6.5%
Electricity Generated at the Electric Utility Stations	KWH	September-22	21,359,216	9.3%	156,769,044	15.8%
- Generated by Steam	KWH	September-22	-	N/A	-	#DIV/0!
- Generated by Diesel	KWH	September-22	21,055,633	10.1%	153,668,632	14.9%
- Generated by Hydro and Wind	KWH	September-22	303,583	-27.3%	3,100,412	81.5%
Electricity Purchased from Independent Power Plant	KWH	September-22	21,903,563	-4.8%	208,949,874	1.1%
Electricity Used by Electric Utility Stations	KWH	September-22	523,937	5.8%	4,411,046	64.2%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September-22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	September-22	0.00	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	September-22	0.00	N/A	N/A	N/A
Month-end price per barrel	Dollars	September-22	0.00	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWH	September-22	0.00	N/A	N/A	N/A
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September-22	37,207	12.7%	273,487	14.0%
Total Cost of Oil Consumed	Dollars	September-22	4,633,266	49.2%	33,001,590	64.3%
Ave Cost/Bbl of Oil Consumed	Dollars	September-22	124.53	32.4%	120.67	44.1%
Month-end price per barrel	Dollars	September-22	159.94	43.6%	164.93	67.6%
Cost of Oil/KWH Generated	Dollar/KWH	September-22	0.220	35.6%	0.213	43.7%
<b>Energy Cost Adjustment Factor</b>						
Schedule D, G, J, L, P, SL	\$/KWH	October-22	0.02689	1189.5%	0.02205	491.3%

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  
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