

# MONTHLY ENERGY TREND HIGHLIGHTS

## November 2022 Highlights

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### Crude Oil Prices:

In November 2022, the crude oil price increased from the same month last year but decreased from the previous month. The crude oil price at the New York Mercantile Exchange averaged \$84.09 per barrel in November 2022 which was up \$5.45 (6.9%) per barrel from the same month last year. Compared to October 2022, it was a decrease of \$2.94 (3.4%) per barrel.

### Refinery Processing:

According to the most recent data available, Hawaii's refineries imported 2.4 million barrels of foreign crude oil in September 2022. This was a decrease of 0.1 million barrels (2.8%) from the same month last year. Compared to August 2022, it was an increase of 0.9 million barrels (61.6%).

### Gasoline Prices:

In November 2022, the regular gasoline price in Hawaii averaged \$5.201 per gallon, which was \$1.501 per gallon (40.6%) higher than the national average for the same month.

Hawaii's regular gasoline price in November 2022 was an increase of 85.3 cents per gallon (19.6%) from the same month last year, but a decrease of 1.6 cents per gallon (0.3%) from October 2022.

The national average price for regular gasoline in November 2022 was \$3.701 per gallon, an increase of 29.2 cents per gallon (8.6%) from the same month last year, but a decrease of 13.6 cents per gallon (3.5%) from October 2022.

The average prices of regular gasoline within the State in November 2022 were as follows: Kauai, \$5.548; Wailuku, \$5.280; Oahu, \$5.167; and Hilo, \$5.053.

### Diesel Fuel Prices:

The national average price for diesel in November 2022 was \$5.306 per gallon which was an increase of \$1.663 (45.7%) from the same month a year ago, and an increase of 12.4 cents (2.4%) from October 2022.

Hawaii's average price for diesel in November 2022 was \$6.084 per gallon which increased \$1.432 (30.8%) per gallon from the same month last year but decreased 2.2 cents per gallon (0.4%) from October 2022. Hawaii's diesel price was \$0.779 per gallon (14.7%) higher than the national average.

In November 2022, the average prices per gallon for diesel among Hawaii's market were as follows: Kauai, \$6.677; Hilo, \$6.208; Wailuku, \$6.128; and Oahu, \$5.972.

### Gasoline Consumption:

Hawaii's statewide consumption for gasoline in September 2022, as measured by the gasoline tax base, was 34.8 million gallons, which increased 0.7 million gallons (1.9%) from the same month a year ago. Gasoline in September 2022 was mainly consumed in Honolulu (58.2%), followed by Hawaii County (19.4%), Maui County (15.2%), and Kauai County (7.2%).

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

Hawaii's September 2022 consumption for highway use diesel was 4.9 million gallons, which increased 1.0 million gallons (26.8%) from the same month last year. Highway use diesel in September 2022 was mainly consumed in Honolulu (63.5%), followed by Hawaii County (20.9%), Maui County (10.2%), and Kauai County (5.3%).

### **Aviation Fuel Consumption:**

In September 2022, data from the Department of Taxation showed statewide aviation fuel consumption was 23.3 million gallons, which decreased 0.6 million gallons (2.6%) from the same month a year ago. The aviation fuel was shipped to the various counties as follows: City and County of Honolulu (45.5%), Maui County (28.9%), Hawaii County (15.9%), and Kauai County (9.7%).

### **Registered Taxable Vehicles:**

As of November 2022, there were 1,062,699 registered passenger vehicles in the state, an increase of 10,687 vehicles (1.0%) from the same month last year and an increase of 821 vehicles (0.1%) from October 2022. The number of passenger gasoline vehicles was 1,007,526, which was 94.8% of total passenger vehicles. It represents an increase of 4,545 vehicles (0.5%) from the same period last year, and an increase of 261 vehicles (0.03%) from October 2022.

In November 2022, the number of passenger electric vehicles in the state was 21,857, an increase of 4,401 vehicles (25.2%) from the same month last year, and an increase of 351 vehicles (1.6%) from October 2022. The number of passenger hybrid vehicles in the state in this month was 25,605, accounting for 2.4% of the total passenger vehicles. It represents an increase of 8.2% from the same month last year and an increase of 1.0% from October 2022.

In November 2022, there were 50,689 registered freight gasoline vehicles, a 1.2% increase from the same period last year, and a 0.1% increase from October 2022. The number of freight diesel vehicles in November 2022 was 23,941, a 0.1% increase from the same period last year, and a 0.1% increase from October 2022.

Monthly Energy Trend: State						
Month of Nov - 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	November 22	84.09	6.9%	95.84	41.8%
Europe Brent Spot Price	\$ per Barrel	October 22	93.33	11.7%	103.70	49.7%
<b>Gasoline and Diesel Prices</b>						
Gasoline - Regular, National	\$ per Gallon	November 22	3.701	8.6%	4.029	34.6%
Gasoline -Mid Grade, National	\$ per Gallon	November 22	4.143	10.3%	4.432	33.0%
Gasoline -Premium, National	\$ per Gallon	November 22	4.458	10.6%	4.725	31.2%
Diesel, National	\$ per Gallon	November 22	5.306	45.7%	4.992	57.2%
Gasoline - Regular, State	\$ per Gallon	November 22	5.201	19.6%	5.141	32.7%
Gasoline -Mid Grade, State	\$ per Gallon	November 22	5.439	19.5%	5.352	31.6%
Gasoline -Premium, State	\$ per Gallon	November 22	5.684	18.4%	5.596	29.7%
Diesel, State	\$ per Gallon	November 22	6.084	30.8%	5.717	32.7%
<b>Fuel Surcharges</b>						
Matson Navigation Company	Percentage	November 22	50.00%	33.9%	45.94%	35.9%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	September 22	2,419	-2.8%	17,194	-8.6%
Distillate	1000 Barrels	September 22	-	N/A	320	N/A
Jet Fuel, Kerosene	1000 Barrels	September 22	648	-1.2%	6,469	43.9%
Residual Fuel Oil	1000 Barrels	September 22	-	N/A	-	N/A
Propane	1000 Barrels	September 22	56	1.8%	627	5.4%
Fuel Ethanol	1000 Barrels	September 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	September 22	300	-52.8%	3,355	14.5%
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	September 22	34,848,199	1.9%	314,674,614	0.7%
Diesel Oil (non-hwy)	Gallons	September 22	11,657,077	2.3%	113,695,490	18.3%
Diesel Oil (hwy use)	Gallons	September 22	4,870,699	26.8%	40,005,600	19.0%
LPG (off hwy)	Gallons	September 22	-	-	-	-
LPG (hwy use)	Gallons	September 22	572	-74.1%	17,439	19.6%
Small Boat (gas)	Gallons	September 22	111,607	159.4%	970,800	104.3%
Small Boat (diesel)	Gallons	September 22	388,813	18.5%	3,338,076	-14.6%
Aviation Fuel	Gallons	September 22	23,256,538	-2.6%	231,533,298	19.4%
Other Fuel	Gallons	September 22	3,131,512	-1.4%	19,026,506	-1.4%
Agricultural Refund	Gallons	September 22	(55,716)	-826.2%	1,102,761	209.5%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	November 22	21,857	25.2%	19,970	29.9%
Passenger, Diesel	Vehicle	November 22	7,375	-0.2%	7,390	0.9%
Passenger, Gasoline	Vehicle	November 22	1,007,526	0.5%	1,003,644	0.1%
Passenger, Hybrid	Vehicle	November 22	25,605	8.2%	24,657	6.1%
Passenger, Misc Fuel	Vehicle	November 22	336	-35.3%	381	-40.3%
Freight, Electric	Vehicle	November 22	49	69.0%	36	30.4%
Freight, Diesel	Vehicle	November 22	23,941	0.1%	23,888	0.0%
Freight, Gasoline	Vehicle	November 22	50,689	1.2%	50,359	1.5%
Freight, Hybrid	Vehicle	November 22	131	65.8%	108	46.0%
Freight, Misc Fuel	Vehicle	November 22	32	-36.0%	38	-34.2%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	September 22	509,887	0.2%	509,710	0.4%
Residential	Consumers	September 22	445,132	0.3%	444,883	0.4%
Commercial	Consumers	September 22	60,149	0.2%	60,227	0.6%
Street Lights	Consumers	September 22	4,606	0.3%	4,600	0.2%
<b>Electric Meters</b>						
All sectors	Meters	September 22	508,828	0.2%	508,561	0.4%
Residential	Meters	September 22	445,186	0.3%	444,912	0.4%
Commercial	Meters	September 22	59,681	0.0%	59,703	0.4%
Street Lights	Meters	September 22	3,961	0.6%	3,946	0.3%
<b>Electricity Sale (KWH sold)</b>						
All Sectors	KWH	September 22	778,951,228	5.6%	6,541,698,688	1.5%
Residential	KWH	September 22	228,687,533	1.3%	1,930,939,135	-2.5%
Commercial	KWH	September 22	548,167,750	7.3%	4,601,984,429	3.5%
Street Lights	KWH	September 22	2,095,945	63.4%	8,775,124	-54.6%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	September 22	334,416,353	43.4%	2,583,759,286	33.4%
Residential	Dollars	September 22	106,631,718	33.9%	839,822,841	26.4%
Commercial	Dollars	September 22	226,948,965	48.3%	1,738,070,605	37.3%
Street Lights	Dollars	September 22	835,670	52.1%	5,865,840	-11.0%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	September 22	42.93	35.8%	39.50	31.5%
Residential	Cents/KWh	September 22	46.63	32.2%	43.49	29.6%
Commercial	Cents/KWh	September 22	41.40	38.1%	37.77	32.7%
Street Lights	Cents/KWh	September 22	39.87	-6.9%	66.85	95.9%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	September 22	812,890,266	3.1%	6,874,052,574	1.8%
Electricity Generated at the Electric Utility Stations	KWH	September 22	535,385,196	29.8%	3,973,132,129	7.1%
- Generated by Steam	KWH	September 22	391,900,117	32.8%	2,811,150,603	6.4%
- Generated by Diesel	KWH	September 22	139,054,236	25.8%	1,111,438,882	10.4%
- Generated by Biodiesel	KWH	September 22	1,764,126	-26.6%	14,588,197	-32.2%
- Generated by Solar	KWH	September 22	3,363,134	1.4%	29,008,236	-1.6%
- Generated by Hydro and Wind	KWH	September 22	303,583	-73.7%	7,946,212	-6.8%
Electricity Purchased from Independent Power Plant	KWH	September 22	305,951,468	-23.6%	3,129,006,680	-4.2%
Electricity Used by Electric Utility Stations	KWH	September 22	28,446,398	18.2%	228,086,235	3.0%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	650,503	31.7%	4,698,423	6.5%
Total Cost of Oil Consumed	Dollars	September 22	107,714,402	147.8%	634,321,900	92.1%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	165.59	88.1%	135.01	80.4%
Month-end price per barrel	Dollars	September 22	122.65	49.8%	116.87	62.7%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.294	82.7%	0.239	79.0%
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	254,593	23.9%	1,924,993	9.2%
Total Cost of Oil Consumed	Dollars	September 22	38,964,658	101.4%	268,983,845	88.2%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	153.05	62.6%	139.73	72.4%
Month-end price per barrel	Dollars	September 22	167.97	67.2%	154.01	71.2%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.292	65.8%	0.253	72.2%
<b>Biodiesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	2,774	-26.7%	22,885	-32.2%
Total Cost of Oil Consumed	Dollars	September 22	558,224	15.6%	4,238,389	-174.3%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	201.23	57.6%	185.20	-209.6%
Month-end price per barrel	Dollars	September 22	186.09	44.0%	179.62	859.8%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.350	59.1%	0.347	-221.4%

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 Nov - 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	November 22	5.167	21.2%	5.053	33.8%
Gasoline - Mid Grade	\$ per Gallon	November 22	5.431	20.4%	5.300	31.8%
Gasoline - Premium	\$ per Gallon	November 22	5.699	19.3%	5.568	30.1%
Diesel	\$ per Gallon	November 22	5.972	30.7%	5.588	31.9%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	September 22	2,419	-2.8%	17,194	-8.6%
Distillate	1000 Barrels	September 22	-	N/A	320	N/A
Jet Fuel, Kerosene	1000 Barrels	September 22	648	-1.2%	6,469	43.9%
Residual Fuel Oil	1000 Barrels	September 22	-	N/A	-	N/A
Propane	1000 Barrels	September 22	-	N/A	45	N/A
Fuel Ethanol	1000 Barrels	September 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	September 22	300	-52.8%	3,355	14.9%
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	September 22	20,289,286	0.0%	182,984,402	-2.7%
Diesel Oil (non-hwy)	Gallons	September 22	3,805,224	-13.3%	42,235,888	38.2%
Diesel Oil (hwy use)	Gallons	September 22	3,093,143	48.1%	24,042,600	44.9%
LPG (off hwy)	Gallons	September 22	-	-	-	-
LPG (hwy use)	Gallons	September 22	421	-79.4%	15,538	16.2%
Small Boat (gas)	Gallons	September 22	80,494	754.9%	676,121	271.5%
Small Boat (diesel)	Gallons	September 22	388,813	18.5%	3,338,076	-14.6%
Aviation Fuel	Gallons	September 22	10,581,514	6.5%	95,592,278	26.9%
Other Fuel	Gallons	September 22	111,181	-7.2%	861,867	-15.8%
Agricultural Refund	Gallons	September 22	(58,644)	-1334.9%	555,736	164.8%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	November 22	16,876	22.7%	15,548	28.6%
Passenger, Diesel	Vehicle	November 22	2,326	-0.4%	2,324	0.5%
Passenger, Gasoline	Vehicle	November 22	596,463	-0.2%	596,129	0.1%
Passenger, Hybrid	Vehicle	November 22	17,842	8.8%	17,164	7.4%
Passenger, Misc Fuel	Vehicle	November 22	205	-38.3%	231	-37.2%
Freight, Electric	Vehicle	November 22	41	46.4%	33	24.7%
Freight, Diesel	Vehicle	November 22	10,729	-1.3%	10,744	-2.0%
Freight, Gasoline	Vehicle	November 22	34,422	0.5%	34,310	1.0%
Freight, Hybrid	Vehicle	November 22	119	65.3%	97	47.2%
Freight, Misc Fuel	Vehicle	November 22	26	-36.6%	31	-37.5%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	September 22	308,594	0.1%	308,641	0.2%
Residential	Consumers	September 22	274,972	0.1%	274,981	0.3%
Commercial	Consumers	September 22	33,187	-0.3%	33,220	0.1%
Street Lights	Consumers	September 22	435	-1.1%	440	-0.5%
<b>Electric Meters</b>						
All Sectors	Meters	September 22	308,140	0.1%	308,216	0.2%
Residential	Meters	September 22	275,016	0.1%	275,015	0.3%
Commercial	Meters	September 22	33,005	-0.5%	33,084	-0.1%
Street Lights	Meters	September 22	119	0.0%	118	-1.1%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	September 22	555,498,881	6.0%	4,607,993,649	0.7%
Residential	KWH	September 22	143,706,627	1.3%	1,169,812,789	-3.9%
Commercial	KWH	September 22	410,403,111	7.6%	3,435,717,506	2.7%
Street Lights	KWH	September 22	1,389,143	134.0%	2,463,354	-81.1%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	September 22	238,067,689	53.2%	1,746,950,580	35.8%
Residential	Dollars	September 22	68,391,695	43.8%	497,064,737	27.6%
Commercial	Dollars	September 22	169,176,683	57.3%	1,247,004,199	39.6%
Street Lights	Dollars	September 22	499,311	83.6%	2,881,644	-31.3%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	September 22	42.86	44.5%	37.91	34.9%
Residential	Cents/KWh	September 22	47.59	42.0%	42.49	32.9%
Commercial	Cents/KWh	September 22	41.22	46.2%	36.30	36.0%
Street Lights	Cents/KWh	September 22	35.94	-21.6%	116.98	264.1%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	September 22	577,316,521	3.3%	4,829,083,655	1.2%
Electricity Generated at the Electric Utility Stations	KWH	September 22	392,495,824	35.7%	2,705,087,525	6.6%
- Generated by Steam	KWH	September 22	364,735,624	37.1%	2,562,212,535	6.9%
- Generated by Diesel	KWH	September 22	22,632,940	29.9%	99,278,558	12.1%
- Generated by Biodiesel	KWH	September 22	1,764,126	-26.6%	14,588,197	-32.2%
- Generated by Solar	KWH	September 22	3,363,134	1.4%	29,008,236	-1.6%
- Generated by Hydro and Wind	KWH	September 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	September 22	207,532,653	-28.0%	2,300,092,180	-4.4%
Electricity Used by Electric Utility Stations	KWH	September 22	22,711,956	22.1%	176,096,050	3.9%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	592,867	37.5%	4,166,885	7.4%
Total Cost of Oil Consumed	Dollars	September 22	101,739,372	163.8%	580,856,306	97.4%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	171.61	91.9%	139.40	83.8%
Month-end price per barrel	Dollars	September 22	164.57	85.4%	143.89	83.6%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.300	87.5%	0.241	82.4%
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	60,738	28.2%	265,278	8.8%
Total Cost of Oil Consumed	Dollars	September 22	8,798,196	116.4%	34,073,603	85.5%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	144.85	68.8%	128.44	70.6%
Month-end price per barrel	Dollars	September 22	159.27	85.0%	132.86	77.9%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.390	62.5%	0.369	71.1%
<b>Biodiesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	2,774	-26.7%	22,885	-32.2%
Total Cost of Oil Consumed	Dollars	September 22	558,224	15.6%	4,238,389	-174.3%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	201.23	57.6%	185.20	-209.6%
Month-end price per barrel	Dollars	September 22	186.09	44.0%	179.62	859.8%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.350	59.1%	0.347	-221.4%
<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	November 22	0.28468	80.6%	0.23679	76.4%

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: Maui Month of Nov - 2022						
Series	Unit	Month	Current Period		Year-to-Date	
			Number	% Change Year Ago	Number	% Change Year Ago
<b>Gasoline and Diesel Prices</b> (Wailuku Only)						
Gasoline - Regular	\$ per Gallon	November 22	5.280	18.4%	5.284	34.1%
Gasoline - Mid Grade	\$ per Gallon	November 22	5.505	18.9%	5.497	33.7%
Gasoline - Premium	\$ per Gallon	November 22	5.590	15.6%	5.617	30.1%
Diesel	\$ per Gallon	November 22	6.128	28.5%	5.830	32.7%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	September 22	-	N/A	-	N/A
Distillate	1000 Barrels	September 22	-	N/A	-	N/A
Jet Fuel, Kerosene	1000 Barrels	September 22	-	N/A	-	N/A
Residual Fuel Oil	1000 Barrels	September 22	-	N/A	-	N/A
Propane	1000 Barrels	September 22	25	-3.8%	198	-18.2%
Fuel Ethanol	1000 Barrels	September 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	September 22	-	N/A	-	N/A
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	September 22	5,291,061	3.2%	47,944,748	3.3%
Diesel Oil (non-hwy)	Gallons	September 22	4,275,613	3.4%	39,118,586	3.4%
Diesel Oil (hwy use)	Gallons	September 22	498,846	6.8%	4,385,429	6.6%
LPG (off hwy)	Gallons					
LPG (hwy use)	Gallons	September 22	69	N/A	78	47.1%
Small Boat (gas)	Gallons	September 22	4,080	-21.4%	49,110	27.9%
Small Boat (diesel)	Gallons	September 22	-	N/A	-	N/A
Aviation Fuel	Gallons	September 22	6,722,453	-10.5%	77,003,455	10.7%
Other Fuel	Gallons	September 22	26,587	17.2%	213,233	30.4%
Agricultural Refund	Gallons	September 22	18,925	547.4%	391,353	513.1%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	November 22	2,574	31.3%	2,324	30.9%
Passenger, Diesel	Vehicle	November 22	1,357	0.4%	1,364	1.4%
Passenger, Gasoline	Vehicle	November 22	156,984	1.8%	155,791	0.4%
Passenger, Hybrid	Vehicle	November 22	3,534	9.0%	3,342	0.7%
Passenger, Misc Fuel	Vehicle	November 22	78	-40.5%	101	-52.0%
Freight, Electric	Vehicle	November 22	2	N/A	0	N/A
Freight, Diesel	Vehicle	November 22	3,750	1.8%	3,730	2.3%
Freight, Gasoline	Vehicle	November 22	6,987	3.7%	6,862	3.0%
Freight, Hybrid	Vehicle	November 22	5	150.0%	4	69.2%
Freight, Misc Fuel	Vehicle	November 22	4	-20.0%	5	-9.1%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	September 22	68,821	0.2%	68,891	0.5%
Residential	Consumers	September 22	58,919	0.1%	58,898	0.2%
Commercial	Consumers	September 22	9,697	1.0%	9,788	2.4%
Street Lights	Consumers	September 22	205	0.5%	205	0.3%
<b>Electric Meters</b>						
All Sectors	Meters	September 22	68,613	0.2%	68,557	0.4%
Residential	Meters	September 22	58,925	0.1%	58,890	0.2%
Commercial	Meters	September 22	9,676	1.0%	9,656	1.2%
Street Lights	Meters	September 22	12	9.1%	12	8.1%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	September 22	89,293,910	6.4%	759,172,854	4.4%
Residential	KWH	September 22	32,162,020	4.0%	279,121,964	-0.5%
Commercial	KWH	September 22	56,743,456	7.9%	476,567,625	7.6%
Street Lights	KWH	September 22	388,434	3.4%	3,483,265	1.6%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	September 22	38,610,083	29.7%	320,451,846	30.2%
Residential	Dollars	September 22	14,339,442	25.5%	121,658,575	25.1%
Commercial	Dollars	September 22	24,110,913	32.3%	197,403,738	33.7%
Street Lights	Dollars	September 22	159,728	27.7%	1,389,533	29.1%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	September 22	43.24	21.9%	42.21	24.7%
Residential	Cents/KWh	September 22	44.59	20.7%	43.59	25.7%
Commercial	Cents/KWh	September 22	42.49	22.7%	41.42	24.2%
Street Lights	Cents/KWh	September 22	41.12	23.5%	39.89	27.1%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	September 22	93,521,624	4.7%	798,330,699	4.0%
Electricity Generated at the Electric Utility Stations	KWH	September 22	74,620,941	15.0%	638,592,071	11.2%
- Generated by Steam	KWH	September 22	15,957,243	21.0%	124,610,014	20.9%
- Generated by Diesel	KWH	September 22	59,663,698	15.4%	514,982,057	9.3%
- Generated by Hydro and Wind	KWH	September 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	September 22	22,221,886	-19.6%	188,690,434	-14.3%
Electricity Used by Electric Utility Stations	KWH	September 22	3,321,203	5.6%	28,951,806	7.7%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	35,503	19.6%	281,036	20.3%
Total Cost of Oil Consumed	Dollars	September 22	3,656,816	63.4%	27,803,770	81.9%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	103.00	36.6%	98.93	51.2%
Month-end price per barrel	Dollars	September 22	98.66	29.7%	102.94	50.8%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.230	35.3%	0.228	54.1%
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	91,274	13.0%	793,873	7.6%
Total Cost of Oil Consumed	Dollars	September 22	14,737,670	91.7%	113,972,857	93.9%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	161.47	69.6%	143.57	80.2%
Month-end price per barrel	Dollars	September 22	157.59	70.1%	148.73	79.6%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.250	66.7%	0.221	79.3%
<b>Biodiesel 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	-	N/A	-	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	-	N/A	-	N/A
Month-end price per barrel	Dollars	September 22	-	N/A	-	N/A
Cost of Oil/KWH Generated	Dollar/KWh	September 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	November 22	0.24488	28.8%	0.25586	47.2%

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 Nov - 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	September 22	1,748	-0.2%	1,751	0.1%
Residential	Consumers	September 22	1,488	-0.6%	1,491	-0.2%
Commercial	Consumers	September 22	256	2.0%	256	1.7%
Street Lights	Consumers	September 22	4	0.0%	4	0.0%
<b>Electric Meters</b>						
All Sectors	Meters	September 22	1,751	-0.2%	1,754	0.1%
Residential	Meters	September 22	1,488	-0.6%	1,491	-0.1%
Commercial	Meters	September 22	262	1.9%	262	1.7%
Street Lights	Meters	September 22	1	0.0%	1	0.0%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	September 22	2,935,801	2.1%	26,038,422	0.4%
Residential	KWH	September 22	701,142	-1.6%	6,457,400	-1.6%
Commercial	KWH	September 22	2,224,184	3.3%	19,486,129	1.1%
Street Lights	KWH	September 22	10,475	0.2%	94,893	0.0%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	September 22	1,639,569	32.5%	14,245,165	35.0%
Residential	Dollars	September 22	392,706	27.9%	3,518,868	32.4%
Commercial	Dollars	September 22	1,241,037	34.1%	10,674,895	35.9%
Street Lights	Dollars	September 22	5,826	30.7%	51,402	34.7%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	September 22	55.85	29.9%	54.71	34.4%
Residential	Cents/KWh	September 22	56.01	30.0%	54.49	34.5%
Commercial	Cents/KWh	September 22	55.80	29.8%	54.78	34.4%
Street Lights	Cents/KWh	September 22	55.62	30.5%	54.17	34.6%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	September 22	3,077,730	1.0%	27,277,720	0.2%
Electricity Generated at the Electric Utility Stations	KWH	September 22	3,158,681	2.5%	27,793,831	2.0%
- Generated by Steam	KWH	September 22	-	N/A	-	N/A
- Generated by Diesel	KWH	September 22	3,158,681	2.5%	27,793,831	2.0%
- Generated by Hydro and Wind	KWH	September 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	September 22	-	-100.0%	204,622	-68.4%
Electricity Used by Electric Utility Stations	KWH	September 22	80,951	3.6%	720,733	-1.6%
<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	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	September 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0	N/A	N/A	N/A
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	5,469	0.4%	47,916	0.9%
Total Cost of Oil Consumed	Dollars	September 22	1,014,302	48.5%	8,617,549	57.1%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	185.46	47.8%	179.85	55.7%
Month-end price per barrel	Dollars	September 22	196.41	63.5%	184.76	57.1%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.320	45.5%	0.308	53.0%
<b>Biodiesel 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	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	September 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	September 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	November 22	0.37960	30.0%	0.36365	52.0%

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: Molokai Month of Nov - 2022						
Series	Unit	Month	Current Period		Year-to-Date	
			Number	% Change Year Ago	Number	% Change Year Ago
Electricity Production and Sale by Utility Companies						
Electricity Consumers						
All Sectors	Consumers	September 22	3,276	0.3%	3,282	0.4%
Residential	Consumers	September 22	2,729	0.4%	2,734	0.5%
Commercial	Consumers	September 22	538	-0.4%	539	-0.1%
Street Lights	Consumers	September 22	9	0.0%	9	1.3%
Electric Meters						
All Sectors	Meters	September 22	3,262	0.3%	3,268	0.4%
Residential	Meters	September 22	2,729	0.4%	2,734	0.4%
Commercial	Meters	September 22	533	-0.4%	534	-0.1%
Street Lights	Meters	September 22	-	N/A	-	N/A
Electricity Sale (KWH Sold)						
All Sectors	KWH	September 22	2,553,447	2.7%	21,581,887	0.1%
Residential	KWH	September 22	963,972	-2.9%	8,471,431	-0.8%
Commercial	KWH	September 22	1,552,483	6.4%	12,773,566	0.6%
Street Lights	KWH	September 22	36,992	6.9%	336,890	2.5%
Net Revenue of Utility Companies						
All Sectors	Dollars	September 22	1,333,550	37.4%	11,120,533	38.2%
Residential	Dollars	September 22	522,345	31.0%	4,475,447	36.7%
Commercial	Dollars	September 22	792,284	41.8%	6,478,555	39.2%
Street Lights	Dollars	September 22	18,921	44.8%	166,531	42.1%
Electricity Retail Prices (Net Revenue per KWH Sold)						
All Sectors	Cents/KWh	September 22	52.23	33.8%	51.53	38.1%
Residential	Cents/KWh	September 22	54.19	34.9%	52.83	37.8%
Commercial	Cents/KWh	September 22	51.03	33.2%	50.72	38.3%
Street Lights	Cents/KWh	September 22	51.15	35.4%	49.43	38.7%
Electricity Production						
Electricity Sent to System by Electric Utility Companies	KWH	September 22	2,821,305	2.3%	23,860,689	1.2%
Electricity Generated at the Electric Utility Stations	KWH	September 22	2,926,080	2.2%	24,791,020	1.1%
- Generated by Steam	KWH	September 22	-	N/A	-	N/A
- Generated by Diesel	KWH	September 22	2,926,080	2.2%	24,791,020	1.1%
- Generated by Hydro and Wind	KWH	September 22	-	N/A	-	N/A
Electricity Purchased from Independent Power Plant	KWH	September 22	-	-100.0%	2,289	-48.5%
Electricity Used by Electric Utility Stations	KWH	September 22	104,775	1.4%	932,620	-2.8%
Fuel Oil Used by Utility Companies						
Barrels of Oil Consumed	Barrels	September 22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	September 22	0	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	September 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0	N/A	N/A	N/A
Diesel Oil Used by Utility Companies						
Barrels of Oil Consumed	Barrels	September 22	5,016	1.9%	41,982	-0.3%
Total Cost of Oil Consumed	Dollars	September 22	776,559	68.9%	6,124,096	72.4%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	154.82	65.8%	145.87	73.0%
Month-end price per barrel	Dollars	September 22	173.70	78.1%	152.00	74.2%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.270	68.8%	0.246	72.7%
Biodiesel Oil Used by Utility Companies						
Barrels of Oil Consumed	Barrels	September 22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	September 22	0	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	0	N/A	N/A	N/A
Month-end price per barrel	Dollars	September 22	0	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0	N/A	N/A	N/A
Energy Cost Adjustment Factor						
Schedules R, G, J, H, P, F, TOU-R, TOU-G, TOU-J, TOU-P, TOU-EV, EV-R, EV-C	\$/KWH	November 22	0.31953	58.7%	0.30969	70.9%

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., 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 Nov - 2022						
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	November 22	5.053	16.0%	5.123	29.3%
Gasoline - Mid Grade	\$ per Gallon	November 22	5.258	15.4%	5.336	28.2%
Gasoline - Premium	\$ per Gallon	November 22	5.544	14.2%	5.643	27.4%
Diesel	\$ per Gallon	November 22	6.208	33.6%	5.825	34.3%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	September 22	-	N/A	-	N/A
Distillate	1000 Barrels	September 22	-	N/A	-	N/A
Jet Fuel, Kerosene	1000 Barrels	September 22	-	N/A	-	N/A
Residual Fuel Oil	1000 Barrels	September 22	-	N/A	-	N/A
Propane	1000 Barrels	September 22	23	27.8%	226	6.6%
Fuel Ethanol	1000 Barrels	September 22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	September 22	-	N/A	-	N/A
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	September 22	6,770,769	5.2%	61,597,832	6.4%
Diesel Oil (non-hwy)	Gallons	September 22	3,012,745	34.2%	26,288,109	10.1%
Diesel Oil (hwy use)	Gallons	September 22	1,019,531	2.3%	9,249,103	-12.1%
LPG (off hwy)	Gallons					
LPG (hwy use)	Gallons	September 22	55	-66.1%	1,076	27.9%
Small Boat (gas)	Gallons	September 22	27,033	-4.9%	245,569	-3.6%
Small Boat (diesel)	Gallons	September 22	-	N/A	-	N/A
Aviation Fuel	Gallons	September 22	3,699,522	-8.7%	36,427,912	2.3%
Other Fuel	Gallons	September 22	1,975,246	12.3%	8,816,477	-9.3%
Agricultural Refund	Gallons	September 22	(17,862)	N/A	132,436	102.1%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	November 22	1,737	43.0%	1,495	42.1%
Passenger, Diesel	Vehicle	November 22	2,805	0.3%	2,805	1.1%
Passenger, Gasoline	Vehicle	November 22	180,239	1.4%	178,614	0.4%
Passenger, Hybrid	Vehicle	November 22	3,179	5.6%	3,107	5.3%
Passenger, Misc Fuel	Vehicle	November 22	47	-2.1%	42	-12.4%
Freight, Electric	Vehicle	November 22	5	N/A	1	N/A
Freight, Diesel	Vehicle	November 22	7,159	1.5%	7,102	2.0%
Freight, Gasoline	Vehicle	November 22	7,167	1.0%	7,119	1.6%
Freight, Hybrid	Vehicle	November 22	7	75.0%	6	35.4%
Freight, Misc Fuel	Vehicle	November 22	1	-66.7%	2	-33.3%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	September 22	88,587	0.7%	88,371	0.8%
Residential	Consumers	September 22	77,051	0.8%	76,859	0.9%
Commercial	Consumers	September 22	11,374	0.3%	11,348	0.5%
Street Lights	Consumers	September 22	162	-1.8%	164	-0.1%
<b>Electric Meters</b>						
All Sectors	Meters	September 22	88,201	0.7%	87,991	0.8%
Residential	Meters	September 22	77,055	0.8%	76,862	0.9%
Commercial	Meters	September 22	11,108	0.2%	11,092	0.5%
Street Lights	Meters	September 22	38	0.0%	38	0.0%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	September 22	88,394,352	2.3%	784,565,089	1.4%
Residential	KWH	September 22	34,203,058	-2.7%	323,665,069	-1.6%
Commercial	KWH	September 22	53,977,893	5.8%	459,064,186	3.6%
Street Lights	KWH	September 22	213,401	4.2%	1,835,834	0.8%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	September 22	39,393,770	21.5%	359,318,763	31.6%
Residential	Dollars	September 22	16,322,411	15.7%	156,357,817	27.8%
Commercial	Dollars	September 22	22,976,018	25.9%	202,109,849	34.6%
Street Lights	Dollars	September 22	95,341	22.5%	851,097	31.0%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	September 22	44.57	18.7%	45.80	29.7%
Residential	Cents/KWh	September 22	47.72	18.9%	48.31	29.9%
Commercial	Cents/KWh	September 22	42.57	19.1%	44.03	29.9%
Street Lights	Cents/KWh	September 22	44.68	17.5%	46.36	30.0%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	September 22	93,414,244	0.8%	834,191,939	1.3%
Electricity Generated at the Electric Utility Stations	KWH	September 22	40,824,454	23.7%	420,098,638	2.4%
- Generated by Steam	KWH	September 22	11,207,250	-29.7%	124,328,054	-12.5%
- Generated by Diesel	KWH	September 22	29,617,204	81.6%	290,924,784	11.3%
- Generated by Hydro and Wind	KWH	September 22	0	-100.0%	4,845,800	-28.9%
Electricity Purchased from Independent Power Plant	KWH	September 22	54,293,366	-11.4%	431,067,281	-0.6%
Electricity Used by Electric Utility Stations	KWH	September 22	1,703,576	3.4%	16,973,980	-17.9%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	22,133	-32.7%	250,502	-15.5%
Total Cost of Oil Consumed	Dollars	September 22	2,318,214	-13.3%	25,661,824	24.9%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	104.74	28.8%	102.44	47.8%
Month-end price per barrel	Dollars	September 22	104.73	29.6%	103.77	50.7%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.210	23.5%	0.210	44.3%
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	September 22	54,889	61.2%	502,457	11.2%
Total Cost of Oil Consumed	Dollars	September 22	9,004,665	169.5%	73,194,150	99.8%
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	164.05	67.1%	145.67	79.8%
Month-end price per barrel	Dollars	September 22	160.89	69.3%	140.75	78.5%
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.360	80.0%	0.302	81.3%
<b>Biodiesel 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	N/A	44,805	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	September 22	0.00	N/A	44,805.00	N/A
Month-end price per barrel	Dollars	September 22	0.00	N/A	44,805.00	N/A
Cost of Oil/KWH Generated	Dollar/KWh	September 22	0.000	N/A	44,805.000	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	November 22	0.24879	27.8%	0.26192	56.6%

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: Kauai Month of Nov - 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	November-22	5.548	21.2%	5.437	32.0%
Gasoline - Mid Grade	\$ per Gallon	November-22	5.845	21.8%	5.687	31.6%
Gasoline - Premium	\$ per Gallon	November-22	5.989	20.9%	5.824	30.4%
Diesel	\$ per Gallon	November-22	6.677	33.5%	6.172	33.1%
<b>Foreign Imports</b>						
Crude Oil	1000 Barrels	September-22	-	N/A	-	N/A
Distillate	1000 Barrels	September-22	-	N/A	-	N/A
Jet Fuel, Kerosene	1000 Barrels	September-22	-	N/A	-	N/A
Residual Fuel Oil	1000 Barrels	September-22	-	N/A	-	N/A
Propane	1000 Barrels	September-22	8	-27.3%	158	12.1%
Fuel Ethanol	1000 Barrels	September-22	-	N/A	-	N/A
Other Refined Petroleum Products	1000 Barrels	September-22	-	N/A	-	-100.0%
<b>Liquid Fuel Tax Base</b>						
Gasoline	Gallons	September 22	2,497,083	6.4%	22,147,633	10.0%
Diesel Oil (non-hwy)	Gallons	September 22	563,495	-9.4%	6,052,907	57.7%
Diesel Oil (hwy use)	Gallons	September 22	259,179	-10.0%	2,328,468	-2.2%
LPG (off hwy)	Gallons					
LPG (hwy use)	Gallons	September 22	27	N/A	747	134.2%
Small Boat (gas)	Gallons	September 22	-	N/A	-	N/A
Small Boat (diesel)	Gallons	September 22	-	N/A	-	N/A
Aviation Fuel	Gallons	September 22	2,253,049	-5.0%	22,509,653	67.8%
Other Fuel	Gallons	September 22	1,018,498	-20.2%	9,134,929	8.9%
Agricultural Refund	Gallons	September 22	1,865	N/A	23,235	36.5%
<b>Registered Vehicles, Taxable</b>						
Passenger, Electric	Vehicle	November-22	670	28.4%	603	31.7%
Passenger, Diesel	Vehicle	November-22	887	-2.0%	897	0.8%
Passenger, Gasoline	Vehicle	November-22	73,840	0.9%	73,110	-0.7%
Passenger, Hybrid	Vehicle	November-22	1,050	2.7%	1,044	4.7%
Passenger, Misc Fuel	Vehicle	November-22	6	-25.0%	7	-42.1%
Freight, Electric	Vehicle	November-22	1	0.0%	1	0.0%
Freight, Diesel	Vehicle	November-22	2,303	-0.2%	2,312	0.3%
Freight, Gasoline	Vehicle	November-22	2,113	5.1%	2,069	4.2%
Freight, Hybrid	Vehicle	November-22	-	-100.0%	1	0.0%
Freight, Misc Fuel	Vehicle	November-22	1	0.0%	1	0.0%
<b>Electricity Production and Sale by Utility Companies</b>						
<b>Electricity Consumers</b>						
All Sectors	Consumers	October-22	38,860	0.5%	38,783	0.5%
Residential	Consumers	October-22	29,972	0.4%	29,926	0.5%
Commercial	Consumers	October-22	5,097	1.5%	5,078	1.2%
Street Lights	Consumers	October-22	3,791	0.6%	3,779	0.3%
<b>Electric Meters</b>						
All Sectors	Meters	October-22	38,860	0.5%	38,783	0.5%
Residential	Meters	October-22	29,972	0.4%	29,926	0.5%
Commercial	Meters	October-22	5,097	1.5%	5,078	1.2%
Street Lights	Meters	October-22	3,791	0.6%	3,779	0.3%
<b>Electricity Sale (KWH Sold)</b>						
All Sectors	KWH	October-22	40,651,917	1.4%	382,998,704	6.1%
Residential	KWH	October-22	16,780,105	3.8%	160,190,587	3.9%
Commercial	KWH	October-22	23,814,312	-0.2%	222,189,729	7.7%
Street Lights	KWH	October-22	57,500	-9.7%	618,388	-3.5%
<b>Net Revenue of Utility Companies</b>						
All Sectors	Dollars	October-22	14,954,663	4.6%	146,627,062	15.9%
Residential	Dollars	October-22	6,378,089	6.9%	63,125,486	13.7%
Commercial	Dollars	October-22	8,521,173	3.0%	82,920,542	17.9%
Street Lights	Dollars	October-22	55,401	-3.2%	581,034	2.2%
<b>Electricity Retail Prices (Net Revenue per KWH Sold)</b>						
All Sectors	Cents/KWh	October-22	36.79	3.2%	38.28	9.3%
Residential	Cents/KWh	October-22	38.01	3.0%	39.41	9.4%
Commercial	Cents/KWh	October-22	35.78	3.2%	37.32	9.4%
Street Lights	Cents/KWh	October-22	96.35	7.2%	93.96	5.9%
<b>Electricity Production</b>						
Electricity Sent to System by Electric Utility Companies	KWH	October-22	44,149,955	12.0%	405,457,827	7.0%
Electricity Generated at the Electric Utility Stations	KWH	October-22	22,288,273	31.1%	179,057,317	17.5%
- Generated by Steam	KWH	October-22	-	N/A	-	#DIV/0!
- Generated by Diesel	KWH	October-22	21,949,678	33.4%	175,618,310	17.0%
- Generated by Hydro and Wind	KWH	October-22	338,595	-38.3%	3,439,007	52.3%
Electricity Purchased from Independent Power Plant	KWH	October-22	22,414,752	-2.1%	231,364,626	0.8%
Electricity Used by Electric Utility Stations	KWH	October-22	553,070	14.6%	4,964,116	56.7%
<b>Fuel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	October-22	-	N/A	-	N/A
Total Cost of Oil Consumed	Dollars	October-22	0.00	N/A	N/A	N/A
Ave Cost/Bbl of Oil Consumed	Dollars	October-22	0.00	N/A	N/A	N/A
Month-end price per barrel	Dollars	October-22	0.00	N/A	N/A	N/A
Cost of Oil/KWH Generated	Dollar/KWH	October-22	0.00	N/A	N/A	N/A
<b>Diesel Oil Used by Utility Companies</b>						
Barrels of Oil Consumed	Barrels	October-22	38,587	40.0%	312,074	16.7%
Total Cost of Oil Consumed	Dollars	October-22	4,034,069	43.3%	37,035,659	61.7%
Ave Cost/Bbl of Oil Consumed	Dollars	October-22	104.54	2.4%	118.68	38.6%
Month-end price per barrel	Dollars	October-22	177.74	58.1%	166.21	66.5%
Cost of Oil/KWH Generated	Dollar/KWH	October-22	0.184	7.4%	0.210	39.5%
<b>Energy Cost Adjustment Factor</b>						
Schedule D, G, J, L, P, SL	\$/KWH	November-22	0.03450	290.2%	0.02318	636.8%

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  
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