

Released: September 2021
 Next MECS will be fielded in 2023.

Table 7.4 Average Prices of Selected Purchased Energy Sources, 2018;

Level: National and Regional Data;
 Row: Values of Shipments and Employment Sizes;
 Column: Energy Sources;
 Unit: U.S. Dollars per Physical Units.

Economic Characteristic(a)	Electricity (kWh)	Residual Fuel Oil (gallons)	Distillate Fuel Oil(b) (gallons)	Natural Gas(c) (1000 cu ft)	HGL (excluding natural gasoline)(d) (gallons)	Coal (short tons)
Total United States						
Value of Shipments and Receipts (million dollars)						
Under 20	0.100	1.23	2.28	5.01	1.79	124.26
20-49	0.083	1.79	2.58	4.40	1.58	85.42
50-99	0.071	1.69	2.41	4.18	0.48	94.30
100-249	0.067	1.79	2.52	4.05	1.41	109.37
250-499	0.058	1.74	2.48	4.04	0.87	68.54
500 and Over	0.055	1.83	2.49	3.75	0.98	101.68
Total	0.069	1.72	2.40	4.02	0.98	97.79
Employment Size						
Under 50	0.089	1.12	2.47	4.30	0.51	127.73
50-99	0.081	1.61	1.93	4.17	1.12	95.33
100-249	0.071	1.87	2.41	4.10	1.19	93.15
250-499	0.062	1.76	2.44	4.14	0.65	61.89
500-999	0.058	1.68	2.41	3.77	1.69	91.27
1000 and Over	0.062	2.14	2.64	3.83	0.70	114.61
Total	0.069	1.72	2.40	4.02	0.98	97.79
Northeast Census Region						
Value of Shipments and Receipts (million dollars)						
Under 20	0.109	1.12	1.69	6.09	1.95	102.20
20-49	0.093	1.79	2.38	6.28	1.86	78.21
50-99	0.075	1.64	2.45	4.61	1.27	190.83
100-249	0.071	1.44	2.49	5.37	1.47	117.39
250-499	0.070	1.92	2.83	4.40	1.76	84.56
500 and Over	0.065	1.77	2.59	4.02	1.88	119.86
Total	0.080	1.80	1.99	4.91	1.78	118.95
Employment Size						
Under 50	0.103	1.09	2.17	5.68	1.97	77.27
50-99	0.086	2.10	Q	5.58	1.74	356.03
100-249	0.078	1.95	2.43	5.40	1.67	100.76
250-499	0.076	1.30	2.55	4.76	1.40	114.78
500-999	0.073	1.88	2.72	4.36	1.62	95.05
1000 and Over	0.067	1.83	2.51	4.12	1.84	119.59
Total	0.080	1.80	1.99	4.91	1.78	118.95
Midwest Census Region						
Value of Shipments and Receipts (million dollars)						
Under 20	0.094	1.79	2.51	5.42	1.81	82.64
20-49	0.083	0.00	2.58	4.36	1.58	69.76
50-99	0.073	1.95	2.32	4.14	1.63	80.70

100-249	0.070	1.68	2.56	3.85	1.22	115.78
250-499	0.065	1.43	2.34	3.86	1.79	67.11
500 and Over	0.060	1.63	2.36	3.70	0.28	90.88
Total	0.072	1.93	2.45	4.01	0.43	90.49

Employment Size

Under 50	0.088	1.79	2.50	4.36	1.83	124.43
50-99	0.079	1.95	2.58	4.02	1.47	74.57
100-249	0.075	0.00	2.45	4.07	1.60	85.08
250-499	0.065	1.52	2.21	4.09	0.29	48.47
500-999	0.063	1.79	2.36	3.82	1.78	117.93
1000 and Over	0.067	1.60	2.52	3.67	1.90	119.64
Total	0.072	1.93	2.45	4.01	0.43	90.49

South Census Region

Value of Shipments and Receipts (million dollars)

Under 20	0.094	1.42	2.46	4.24	1.67	82.99
20-49	0.070	1.80	2.62	3.91	1.38	107.76
50-99	0.065	1.64	2.31	4.03	0.43	108.84
100-249	0.061	1.79	2.34	3.95	1.43	109.95
250-499	0.052	1.62	2.44	4.05	0.83	77.16
500 and Over	0.049	1.86	2.52	3.61	1.01	99.26
Total	0.060	1.69	2.45	3.80	0.99	102.72

Employment Size

Under 50	0.074	1.42	2.46	3.83	0.42	Q
50-99	0.078	1.51	2.49	3.98	1.10	106.03
100-249	0.060	1.88	2.32	3.86	1.18	106.53
250-499	0.056	1.61	2.45	4.00	0.70	93.28
500-999	0.051	1.54	2.31	3.54	1.69	101.23
1000 and Over	0.055	2.30	2.72	3.79	0.70	86.13
Total	0.060	1.69	2.45	3.80	0.99	102.72

West Census Region

Value of Shipments and Receipts (million dollars)

Under 20	0.121	1.15	2.48	5.63	1.77	Q
20-49	0.113	0.00	2.70	5.35	1.64	65.20
50-99	0.079	0.00	2.69	4.51	1.66	70.64
100-249	0.080	1.82	2.74	4.33	1.47	71.63
250-499	0.059	1.47	2.74	4.23	2.15	44.21
500 and Over	0.067	0.00	2.77	4.61	1.46	56.54
Total	0.082	1.56	2.64	4.66	1.68	82.02

Employment Size

Under 50	0.115	0.94	2.69	5.14	1.75	75.86
50-99	0.101	1.67	2.39	5.03	1.65	61.71
100-249	0.085	1.03	2.60	4.51	1.54	94.04
250-499	0.069	1.95	2.81	4.38	1.62	88.56
500-999	0.062	0.00	2.62	4.74	1.80	48.19
1000 and Over	0.073	0.00	2.91	5.01	1.94	110.09
Total	0.082	1.56	2.64	4.66	1.68	82.02

(a) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

(b) Distillate Fuel Oil includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(c) Natural Gas includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(d) Hydrocarbon Gas Liquids (HGL) include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw

propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2018 Annual Survey of Manufactures*.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY21-312).

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RSE Table 7.4 Relative Standard Errors for Table 7.4;

Unit: Percents.

Economic Characteristic(a)	Electricity (kWh)	Residual Fuel Oil (gallons)	Distillate Fuel Oil(b) (gallons)	Natural Gas(c) (1000 cu ft)	HGL (excluding natural gasoline)(d) (gallons)	Coal (short tons)
Total United States						
Value of Shipments and Receipts (million dollars)						
Under 20	2.8	8.4	6.8	2.4	3.2	26.0
20-49	1.4	2.6	1.8	2.9	5.1	12.5
50-99	1.1	0.1	1.1	1.2	9.0	0.1
100-249	1.2	0.0	3.5	1.0	19.7	0.2
250-499	0.9	0.4	0.8	0.4	6.4	0.0
500 and Over	0.4	0.1	2.3	0.1	2.2	0.0
Total	0.8	0.2	2.8	0.3	2.0	1.1
Employment Size						
Under 50	1.2	7.8	2.3	1.8	2.4	5.8
50-99	4.9	0.1	27.5	1.3	41.1	0.1
100-249	1.1	0.1	1.5	1.0	4.6	3.5
250-499	0.9	0.0	1.3	0.4	0.1	0.2
500-999	0.9	0.3	0.5	0.2	0.1	0.1
1000 and Over	0.7	1.5	3.3	0.2	0.1	0.0
Total	0.8	0.2	2.8	0.3	2.0	1.1
Northeast Census Region						
Value of Shipments and Receipts (million dollars)						
Under 20	2.9	12.1	27.9	8.3	3.2	13.6
20-49	5.5	0.0	2.8	4.8	9.3	0.0
50-99	5.3	0.0	2.0	3.7	23.6	0.0
100-249	6.0	0.0	2.8	2.9	4.7	0.0
250-499	1.8	0.0	1.1	0.6	15.6	0.0
500 and Over	2.9	0.5	0.8	0.9	26.7	0.0
Total	2.0	0.2	16.9	1.5	3.5	0.1
Employment Size						
Under 50	2.3	8.9	3.3	8.6	3.4	4.9
50-99	3.8	0.0	87.6	3.5	4.0	0.0
100-249	5.8	0.0	0.9	4.6	11.7	0.0
250-499	3.4	0.0	3.8	1.3	3.1	0.0
500-999	4.7	0.0	1.7	0.7	3.1	0.0
1000 and Over	2.7	11.8	0.9	1.2	28.1	0.0
Total	2.0	0.2	16.9	1.5	3.5	0.1
Midwest Census Region						
Value of Shipments and Receipts (million dollars)						
Under 20	1.6	2.2	6.0	7.1	6.3	1.0
20-49	1.7	X	2.3	4.3	13.5	0.0
50-99	2.0	0.0	0.8	2.4	5.3	0.0
100-249	1.5	0.0	0.8	0.9	2.3	0.4
250-499	1.5	0.0	0.7	1.0	18.9	0.0
500 and Over	0.7	0.0	0.4	0.3	1.7	0.0

Total	0.8	0.1	2.3	0.7	2.7	0.1
Employment Size						
Under 50	2.0	2.2	6.1	3.4	6.1	0.1
50-99	1.8	0.0	4.9	1.1	7.8	0.6
100-249	1.4	X	0.5	1.7	5.9	0.0
250-499	1.9	0.0	3.0	1.0	1.3	0.2
500-999	1.4	0.0	0.2	1.0	15.9	0.0
1000 and Over	0.7	0.0	0.5	0.4	9.7	0.0
Total	0.8	0.1	2.3	0.7	2.7	0.1

South Census Region

Value of Shipments and Receipts (million dollars)

Under 20	9.5	0.3	3.4	2.2	4.1	1.0
20-49	2.0	11.2	4.1	3.7	6.8	22.5
50-99	1.5	0.1	3.2	1.7	10.7	0.1
100-249	2.0	0.0	2.6	2.0	28.8	0.1
250-499	0.9	0.7	0.8	0.4	7.0	0.0
500 and Over	0.4	0.0	4.0	0.1	2.1	0.0
Total	1.9	0.1	1.6	0.4	2.1	1.8

Employment Size

Under 50	1.8	0.3	3.5	2.0	2.5	62.9
50-99	14.9	0.1	1.3	2.6	45.6	0.1
100-249	1.7	0.1	1.8	1.1	4.7	0.1
250-499	1.4	0.0	2.3	0.6	0.1	0.2
500-999	1.2	0.5	1.1	0.3	0.1	0.1
1000 and Over	1.0	0.0	6.0	0.3	0.1	0.0
Total	1.9	0.1	1.6	0.4	2.1	1.8

West Census Region

Value of Shipments and Receipts (million dollars)

Under 20	2.6	14.4	3.3	2.9	12.4	79.2
20-49	3.4	X	1.2	2.3	13.8	0.3
50-99	11.1	X	0.5	2.2	2.7	0.0
100-249	3.7	0.0	5.3	1.3	6.0	0.0
250-499	3.1	0.0	1.1	1.9	19.6	0.0
500 and Over	0.7	X	3.1	0.1	3.3	0.0
Total	2.0	6.6	2.4	0.7	5.4	16.6

Employment Size

Under 50	2.4	11.5	5.8	2.6	10.9	2.4
50-99	4.5	0.0	3.6	2.2	30.2	0.0
100-249	8.7	0.0	0.9	1.9	2.8	29.3
250-499	1.6	0.0	1.1	0.9	3.1	0.0
500-999	2.5	X	0.2	0.4	11.8	0.0
1000 and Over	2.4	X	0.1	1.1	0.9	0.0
Total	2.0	6.6	2.4	0.7	5.4	16.6

(a) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

(b) Distillate Fuel Oil includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(c) Natural Gas includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(d) Hydrocarbon Gas Liquids (HGL) include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

X=Not defined because RSE corresponds to a data table value of zero.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, 2018 *Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the 2018 *Annual Survey of Manufactures*.

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