

Released: September 2021

Next MECS will be fielded in 2023.

**Table 7.5 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 Million Btu.

Economic Characteristic(a)	Electricity	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	HGL (excluding natural gasoline)(d)	Coal
<b>Total United States</b>						
<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	29.40	8.19	16.60	4.83	19.68	5.96
20-49	24.24	11.95	18.77	4.24	17.39	4.03
50-99	20.93	11.30	17.51	4.03	5.86	4.35
100-249	19.68	11.93	18.36	3.90	15.97	4.43
250-499	17.02	11.64	18.03	3.89	10.78	2.83
500 and Over	16.16	12.19	18.08	3.61	12.89	4.19
Total	20.11	11.47	17.49	3.87	12.73	4.11
<b>Employment Size</b>						
Under 50	26.02	7.51	17.97	4.14	6.50	5.27
50-99	23.80	10.73	14.02	4.02	14.79	4.03
100-249	20.75	12.49	17.57	3.95	14.92	3.90
250-499	18.19	11.73	17.72	3.98	8.49	2.97
500-999	16.88	11.24	17.51	3.63	22.43	4.25
1000 and Over	18.16	14.28	19.22	3.69	9.17	4.50
Total	20.11	11.47	17.49	3.87	12.73	4.11
<b>Northeast Census Region</b>						
<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	31.91	7.48	12.30	5.87	21.30	4.73
20-49	27.17	11.93	17.31	6.05	20.47	3.77
50-99	21.92	10.97	17.80	4.44	14.25	8.30
100-249	20.72	9.63	18.10	5.17	16.04	5.57
250-499	20.58	12.83	20.60	4.24	20.45	3.80
500 and Over	18.94	11.86	18.87	3.87	20.59	4.52
Total	23.57	12.04	14.49	4.73	19.66	4.55
<b>Employment Size</b>						
Under 50	30.25	7.28	15.79	5.47	21.59	3.69
50-99	25.11	14.02	Q	5.38	19.04	13.28
100-249	22.85	13.00	17.67	5.20	18.88	4.84
250-499	22.13	8.66	18.59	4.58	15.30	5.46
500-999	21.49	12.55	19.78	4.20	17.76	4.32
1000 and Over	19.68	12.23	18.29	3.97	20.08	4.50
Total	23.57	12.04	14.49	4.73	19.66	4.55
<b>Midwest Census Region</b>						
<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	27.52	11.98	18.27	5.22	19.92	3.93
20-49	24.28	0.00	18.77	4.20	17.30	3.19
50-99	21.24	13.04	16.89	3.99	18.35	3.89
100-249	20.65	11.22	18.60	3.71	12.94	4.63
250-499	18.94	9.56	17.00	3.72	19.65	2.62
500 and Over	17.59	10.88	17.17	3.56	3.49	3.88

Total	21.04	12.89	17.82	3.86	5.27	3.77
<b>Employment Size</b>						
Under 50	25.71	11.98	18.21	4.20	20.93	5.03
50-99	23.04	13.04	18.77	3.87	16.28	3.32
100-249	22.08	0.00	17.85	3.92	17.54	3.37
250-499	19.06	10.12	16.08	3.94	3.58	2.33
500-999	18.34	11.93	17.16	3.68	19.54	5.32
1000 and Over	19.58	10.66	18.31	3.54	22.29	4.76
Total	21.04	12.89	17.82	3.86	5.27	3.77

#### South Census Region

<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	27.54	9.46	17.88	4.09	18.43	4.00
20-49	20.63	12.02	19.04	3.77	15.16	5.18
50-99	18.98	10.94	16.83	3.88	5.24	4.82
100-249	17.75	11.95	17.02	3.81	16.40	4.34
250-499	15.17	10.84	17.73	3.90	10.30	3.71
500 and Over	14.46	12.43	18.34	3.48	13.27	4.45
Total	17.52	11.28	17.80	3.66	13.02	4.47

<b>Employment Size</b>						
Under 50	21.81	9.50	17.89	3.69	5.41	Q
50-99	22.77	10.07	18.11	3.83	14.64	4.30
100-249	17.71	12.57	16.90	3.72	14.86	4.56
250-499	16.35	10.78	17.82	3.85	9.33	4.43
500-999	15.05	10.27	16.82	3.41	22.44	4.71
1000 and Over	16.21	15.38	19.78	3.65	9.13	3.82
Total	17.52	11.28	17.80	3.66	13.02	4.47

#### West Census Region

<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	35.59	7.70	18.07	5.43	19.39	Q
20-49	33.01	0.00	19.63	5.15	17.87	3.14
50-99	23.22	0.00	19.56	4.35	18.25	3.40
100-249	23.31	12.15	19.95	4.18	16.10	3.45
250-499	17.35	9.80	19.92	4.08	23.49	2.13
500 and Over	19.60	0.00	20.17	4.45	15.93	2.69
Total	23.92	10.45	19.20	4.49	18.39	3.94

<b>Employment Size</b>						
Under 50	33.62	6.25	19.55	4.96	19.10	3.66
50-99	29.64	11.16	17.41	4.85	18.05	2.97
100-249	24.88	6.85	18.95	4.34	16.86	4.53
250-499	20.28	13.06	20.45	4.22	17.69	4.23
500-999	18.09	0.00	19.07	4.57	19.68	2.32
1000 and Over	21.45	0.00	21.16	4.82	21.20	4.49
Total	23.92	10.45	19.20	4.49	18.39	3.94

(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.

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 7.5 Relative Standard Errors for Table 7.5;

Unit: Percents.

Economic Characteristic(a)	Electricity	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	HGL (excluding natural gasoline)(d)	Coal
<b>Total United States</b>						
<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	2.8	8.4	6.8	2.4	3.2	26.4
20-49	1.4	2.6	1.8	2.9	5.2	12.6
50-99	1.1	0.1	1.1	1.2	8.8	0.1
100-249	1.2	0.0	3.5	1.0	23.6	0.1
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	2.1	0.0
Total	0.8	0.2	2.8	0.3	2.0	1.3
<b>Employment Size</b>						
Under 50	1.2	7.8	2.3	1.8	2.1	6.2
50-99	4.9	0.1	27.5	1.3	39.9	0.1
100-249	1.1	0.1	1.5	1.0	4.7	4.2
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	1.3
<b>Northeast Census Region</b>						
<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	2.9	12.1	27.9	8.3	3.2	11.1
20-49	5.5	0.0	2.8	4.8	9.9	0.0
50-99	5.3	0.0	2.0	3.7	20.2	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	20.0	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	3.6	0.1
<b>Employment Size</b>						
Under 50	2.3	8.9	3.3	8.6	3.4	4.2
50-99	3.8	0.0	87.6	3.5	4.0	0.0
100-249	5.8	0.0	0.9	4.6	12.1	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	3.6	0.1
<b>Midwest Census Region</b>						
<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	1.6	2.2	6.0	7.1	6.3	1.0
20-49	1.7	X	2.3	4.3	13.6	0.0
50-99	2.0	0.0	0.8	2.4	5.7	0.0
100-249	1.5	0.0	0.8	0.9	2.2	0.3
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	2.6	0.1

<b>Employment Size</b>						
Under 50	2.0	2.2	6.1	3.4	5.8	0.1
50-99	1.8	0.0	4.9	1.1	8.0	0.7
100-249	1.4	X	0.5	1.7	5.9	0.0
250-499	1.9	0.0	3.0	1.0	1.2	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	9.1	0.0
Total	0.8	0.1	2.3	0.7	2.6	0.1

#### South Census Region

<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	9.5	0.3	3.4	2.2	4.1	1.0
20-49	2.0	11.2	4.1	3.7	7.0	22.5
50-99	1.5	0.1	3.2	1.7	10.4	0.1
100-249	2.0	0.0	2.6	2.0	36.8	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	2.0	1.9

<b>Employment Size</b>						
Under 50	1.8	0.3	3.5	2.0	2.0	62.9
50-99	14.9	0.1	1.3	2.6	44.4	0.1
100-249	1.7	0.1	1.8	1.1	4.9	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	2.0	1.9

#### West Census Region

<b>Value of Shipments and Receipts (million dollars)</b>						
Under 20	2.6	14.4	3.3	2.9	12.6	79.2
20-49	3.4	X	1.2	2.3	13.4	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

<b>Employment Size</b>						
Under 50	2.4	11.5	5.8	2.6	10.9	2.4
50-99	4.5	0.0	3.6	2.2	30.3	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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