

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

Table 6.2 Consumption Ratios of Fuel, 2018;

Level: National and Regional Data;
 Row: Values of Shipments and Employment Sizes;
 Column: Energy-Consumption Ratios;
 Unit: Varies.

Economic Characteristic(a)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)
Total United States			
Value of Shipments and Receipts (million dollars)			
Under 20	274.3	2.1	1.6
20-49	455.4	2.9	1.5
50-99	830.2	4.8	2.2
100-249	1,150.5	5.3	2.3
250-499	1,940.5	6.9	3.0
500 and Over	4,122.8	8.1	3.1
Total	1,285.1	5.6	2.6
Employment Size			
Under 50	666.4	2.8	1.9
50-99	801.5	4.6	2.0
100-249	991.6	5.4	2.4
250-499	1,541.9	6.9	3.1
500-999	2,388.3	9.6	3.8
1000 and Over	1,469.1	4.9	2.0
Total	1,285.1	5.6	2.6
Northeast Census Region			
Value of Shipments and Receipts (million dollars)			
Under 20	171.8	2.6	1.5
20-49	269.4	1.7	1.0
50-99	628.4	3.2	1.6
100-249	668.6	2.9	1.4
250-499	975.0	2.9	1.3
500 and Over	2,179.9	4.6	2.3
Total	519.1	3.1	1.6
Employment Size			
Under 50	394.6	1.9	1.0
50-99	426.0	2.6	1.2
100-249	411.9	2.5	1.4
250-499	402.1	3.0	1.7
500-999	716.0	4.1	2.0
1000 and Over	884.5	5.2	2.3
Total	519.1	3.1	1.6
Midwest Census Region			
Value of Shipments and Receipts (million dollars)			
Under 20	352.5	3.3	1.8
20-49	423.5	2.9	1.4
50-99	655.0	4.0	1.8

100-249	1,370.6	6.7	2.8
250-499	1,107.2	4.4	1.7
500 and Over	2,376.1	7.0	2.3
Total	1,025.3	5.3	2.1

Employment Size

Under 50	875.4	5.7	2.6
50-99	909.7	4.9	2.0
100-249	765.4	4.4	1.9
250-499	980.4	5.1	2.3
500-999	1,143.7	5.1	2.0
1000 and Over	1,491.5	6.2	2.0
Total	1,025.3	5.3	2.1

South Census Region

Value of Shipments and Receipts (million dollars)

Under 20	358.3	Q	2.0
20-49	781.5	4.9	2.5
50-99	1,137.9	6.4	2.8
100-249	1,314.3	5.8	2.5
250-499	3,409.0	12.1	5.6
500 and Over	6,947.1	10.8	4.0
Total	2,245.7	7.5	3.5

Employment Size

Under 50	858.6	Q	2.2
50-99	1,243.4	6.2	2.9
100-249	1,822.0	7.8	3.3
250-499	2,603.4	9.6	4.3
500-999	5,020.3	15.8	5.7
1000 and Over	2,147.5	6.3	2.5
Total	2,245.7	7.5	3.5

West Census Region

Value of Shipments and Receipts (million dollars)

Under 20	206.5	1.8	1.1
20-49	272.4	1.8	0.9
50-99	828.6	5.0	2.4
100-249	783.7	3.7	1.8
250-499	1,489.8	4.8	2.3
500 and Over	3,312.3	5.0	2.4
Total	935.1	4.0	2.0

Employment Size

Under 50	348.1	2.2	1.2
50-99	367.3	2.8	1.3
100-249	818.2	5.1	2.4
250-499	1,902.7	6.5	2.7
500-999	2,460.4	8.6	3.6
1000 and Over	428.5	1.0	0.7
Total	935.1	4.0	2.0

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

* 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. Operating ratios were calculated using the estimates of fuel consumption reported in Table 3.2

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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 6.2 Relative Standard Errors for Table 6.2;

Unit: Percents.

Economic Characteristic(a)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)
Total United States			
Value of Shipments and Receipts (million dollars)			
Under 20	7.0	39.3	5.2
20-49	7.8	7.5	6.8
50-99	7.2	6.8	6.1
100-249	5.2	5.8	4.8
250-499	8.7	6.7	7.9
500 and Over	4.1	2.7	2.2
Total	2.2	5.4	1.6
Employment Size			
Under 50	5.2	40.6	6.1
50-99	4.7	5.2	4.8
100-249	5.5	5.1	4.4
250-499	6.7	4.6	4.1
500-999	8.1	4.7	4.6
1000 and Over	6.7	3.6	3.2
Total	2.2	5.4	1.6
Northeast Census Region			
Value of Shipments and Receipts (million dollars)			
Under 20	16.7	10.1	9.3
20-49	12.8	12.6	10.3
50-99	14.9	16.1	16.0
100-249	16.4	16.5	15.5
250-499	23.5	18.4	16.8
500 and Over	13.0	9.3	7.5
Total	7.6	5.0	4.7
Employment Size			
Under 50	11.2	16.6	16.4
50-99	9.9	11.9	13.5
100-249	13.6	11.5	10.7
250-499	23.2	12.8	11.1
500-999	28.3	12.4	11.9
1000 and Over	37.2	12.5	9.3
Total	7.6	5.0	4.7
Midwest Census Region			
Value of Shipments and Receipts (million dollars)			
Under 20	11.7	11.0	10.9
20-49	11.0	11.2	9.1
50-99	11.2	10.8	8.5
100-249	8.7	9.8	7.5
250-499	20.8	11.8	18.3
500 and Over	8.3	5.0	4.4

Total	3.8	3.3	3.3
Employment Size			
Under 50	8.8	8.7	8.6
50-99	7.2	8.9	7.7
100-249	9.1	9.1	6.9
250-499	11.2	8.9	9.0
500-999	13.2	8.3	12.4
1000 and Over	8.7	6.1	5.1
Total	3.8	3.3	3.3

South Census Region

Value of Shipments and Receipts (million dollars)			
Under 20	11.5	148.9	6.9
20-49	15.8	14.5	13.8
50-99	11.1	10.6	9.7
100-249	8.5	9.6	8.8
250-499	9.6	8.9	7.6
500 and Over	5.8	4.6	3.7
Total	3.9	14.3	2.7

Employment Size			
Under 50	9.9	132.2	12.6
50-99	9.7	10.0	8.4
100-249	8.2	8.4	7.4
250-499	10.2	7.0	6.2
500-999	10.4	5.8	2.8
1000 and Over	12.2	6.6	5.9
Total	3.9	14.3	2.7

West Census Region

Value of Shipments and Receipts (million dollars)			
Under 20	17.5	17.2	17.1
20-49	13.4	12.6	10.4
50-99	27.5	24.7	23.2
100-249	14.4	16.2	10.8
250-499	12.9	23.6	19.4
500 and Over	7.8	5.3	3.2
Total	5.4	4.6	3.8

Employment Size			
Under 50	7.2	7.8	6.3
50-99	11.2	11.5	10.4
100-249	17.0	15.7	14.1
250-499	16.0	11.7	8.0
500-999	21.2	19.2	10.4
1000 and Over	9.6	6.8	5.3
Total	5.4	4.6	3.8

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

* 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. Operating ratios were calculated using the estimates of fuel consumption reported in Table 3.2.

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

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