

Released: March 2026  
 Next MECS will be fielded in 2027

**Table 6.2 Consumption ratios of fuel, 2022**

Level: National and regional data  
 Row: Values of shipments and employment sizes  
 Column: Energy consumption ratios  
 Unit: British thermal units (Btu)

Economic characteristic <sup>a</sup>	Consumption per employee (million Btu)	Consumption per dollar of value added (thousand Btu)	Consumption per dollar of value of shipments (thousand Btu)
<b>Total United States</b>			
<b>Value of shipments and receipts (million dollars)</b>			
Under 20	472.0	4.0	2.2
20-49	614.2	3.6	1.9
50-99	907.8	4.8	2.3
100-249	1,113.0	4.9	2.2
250-499	2,050.3	7.1	3.0
500 and over	3,628.2	6.3	2.4
Total	1,528.4	5.6	2.4
<b>Employment size</b>			
Under 50	906.8	5.1	2.4
50-99	1,097.9	4.9	2.2
100-249	1,406.2	6.0	2.7
250-499	1,841.4	6.4	2.9
500-999	2,431.7	7.4	2.6
1,000 and over	1,446.1	4.1	1.6
Total	1,528.4	5.6	2.4
<b>Northeast Census Region</b>			
<b>Value of shipments and receipts (million dollars)</b>			
Under 20	649.5	5.5	3.2
20-49	523.5	2.8	1.5
50-99	615.0	2.7	1.6
100-249	755.1	3.4	1.6
250-499	1,259.0	3.9	2.0
500 and over	1,490.5	2.6	1.4
Total	845.8	3.2	1.7
<b>Employment size</b>			
Under 50	848.7	5.4	2.9
50-99	777.1	3.8	1.8
100-249	557.7	2.4	1.2
250-499	1,123.0	2.8	1.7
500-999	1,282.9	6.4	2.7
1,000 and over	719.7	2.1	1.2
Total	845.8	3.2	1.7
<b>Midwest Census Region</b>			
<b>Value of shipments and receipts (million dollars)</b>			
Under 20	408.1	3.7	2.0
20-49	656.0	4.1	2.1

50-99	757.7	4.2	1.8
100-249	1,031.0	4.9	2.0
250-499	2,300.6	7.4	2.7
500 and over	2,592.4	5.6	2.0
Total	1,261.0	5.2	2.1

**Employment size**

Under 50	1,108.2	6.4	2.8
50-99	1,304.0	6.2	2.4
100-249	873.8	4.6	1.9
250-499	1,759.1	6.3	2.6
500-999	1,220.1	4.2	1.8
1,000 and over	1,428.9	4.5	1.6
Total	1,261.0	5.2	2.1

**South Census Region**

**Value of shipments and receipts  
(million dollars)**

Under 20	630.7	5.4	2.9
20-49	712.7	4.0	2.1
50-99	1,120.6	6.6	3.1
100-249	1,505.7	7.2	3.0
250-499	3,082.6	10.9	4.4
500 and over	6,112.4	9.7	3.3
Total	2,459.3	8.4	3.3

**Employment size**

Under 50	1,072.1	5.8	2.7
50-99	1,405.6	5.6	2.6
100-249	2,761.4	10.4	4.4
250-499	2,399.5	9.3	4.1
500-999	4,104.9	12.0	4.0
1,000 and over	2,219.2	5.7	2.0
Total	2,459.3	8.4	3.3

**West Census Region**

**Value of shipments and receipts  
(million dollars)**

Under 20	278.9	2.2	1.3
20-49	438.7	2.5	1.3
50-99	876.0	4.1	2.1
100-249	883.7	3.1	1.6
250-499	736.3	2.9	1.4
500 and over	2,148.1	3.3	1.3
Total	939.1	3.2	1.4

**Employment size**

Under 50	491.3	2.5	1.3
50-99	504.4	2.3	1.0
100-249	1,114.7	4.0	2.3
250-499	1,373.4	5.0	2.2
500-999	1,495.0	3.2	Q
1,000 and over	666.4	1.8	0.9
Total	939.1	3.2	1.4

Data Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey, and the Bureau of the Census, data files for the 2022 Economic Census, Manufacturing – Industry Series.

Note: 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.

<sup>a</sup> Value of shipments and receipts and employment size categories were supplied by the Bureau of the Census

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\* Estimate less than 0.5

D=Withheld to avoid disclosing data for individual establishments

Q=Withheld because relative standard error (RSE) is greater than 50%

NA=Not available

*The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).*

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## RSE Table 6.2 Relative standard errors for Table 6.2

Unit: Percentage

Economic characteristic <sup>a</sup>	Consumption per employee	Consumption per dollar of value added	Consumption per dollar of value of shipments
<b>Total United States</b>			
<b>Value of shipments and receipts (million dollars)</b>			
Under 20	10.4	10.4	10.4
20-49	11.3	11.3	10.9
50-99	12.4	12.5	11.7
100-249	7.2	7.7	6.2
250-499	6.9	6.3	5.1
500 and over	4.4	4.9	5.6
Total	2.6	3.0	3.3
<b>Employment size</b>			
Under 50	8.0	8.6	8.3
50-99	7.8	8.2	7.9
100-249	8.1	7.3	7.0
250-499	7.4	8.4	5.9
500-999	6.9	9.1	14.1
1,000 and over	4.3	4.8	4.2
Total	2.6	3.0	3.3
<b>Northeast Census Region</b>			
<b>Value of shipments and receipts (million dollars)</b>			
Under 20	31.7	31.7	31.4
20-49	19.1	18.7	17.0
50-99	17.5	20.3	15.0
100-249	14.1	11.8	10.4
250-499	25.9	23.8	16.8
500 and over	15.0	24.3	19.8
Total	8.0	10.8	9.5
<b>Employment size</b>			
Under 50	31.2	31.5	31.2
50-99	20.3	14.8	15.5
100-249	11.7	10.4	8.8
250-499	18.5	37.1	26.8
500-999	20.3	15.0	12.0
1,000 and over	15.5	17.8	22.6
Total	8.0	10.8	9.5
<b>Midwest Census Region</b>			
<b>Value of shipments and receipts (million dollars)</b>			
Under 20	10.1	10.0	9.7
20-49	23.3	23.1	22.6
50-99	12.7	13.8	12.5
100-249	11.6	11.5	10.2
250-499	9.3	10.2	7.3

500 and over	6.7	9.6	6.3
Total	4.1	5.2	4.1
<b>Employment size</b>			
Under 50	7.9	10.3	9.4
50-99	12.9	13.0	11.4
100-249	13.4	12.7	11.8
250-499	10.3	12.3	9.2
500-999	10.7	15.5	9.4
1,000 and over	6.9	12.0	8.6
Total	4.1	5.2	4.1

#### South Census Region

<b>Value of shipments and receipts (million dollars)</b>			
Under 20	19.5	19.6	19.4
20-49	18.4	19.3	18.2
50-99	19.4	19.2	17.7
100-249	10.4	9.0	8.4
250-499	9.8	9.0	8.5
500 and over	7.6	4.5	4.4
Total	4.5	3.6	3.4

<b>Employment size</b>			
Under 50	16.2	16.5	16.3
50-99	14.6	15.2	13.2
100-249	12.6	10.5	9.8
250-499	12.1	8.0	6.3
500-999	11.2	8.9	6.9
1,000 and over	7.4	5.2	6.1
Total	4.5	3.6	3.4

#### West Census Region

<b>Value of shipments and receipts (million dollars)</b>			
Under 20	16.7	17.0	17.0
20-49	16.2	14.7	12.8
50-99	45.3	45.5	44.0
100-249	28.2	29.9	22.4
250-499	17.8	14.9	13.7
500 and over	10.9	13.4	26.0
Total	8.0	9.3	14.3

<b>Employment size</b>			
Under 50	14.5	16.2	15.2
50-99	13.6	17.9	24.6
100-249	25.8	23.7	23.4
250-499	25.1	26.9	18.3
500-999	20.9	34.9	72.2
1,000 and over	9.9	11.0	7.0
Total	8.0	9.3	14.3

Data Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey, and the Bureau of the Census, data files for the 2022 Economic Census, Manufacturing – Industry Series.

Note: 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.

<sup>a</sup> 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 (RSE) is greater than 50%

NA=Not available

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

*The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).*