

**Table 6.4 Consumption Ratios of Fuel, 2002;**  
**Level: National Data;**  
**Row: Employment Sizes within NAICS Codes;**  
**Column: Energy-Consumption Ratios;**  
**Unit: Varies.**

NAICS Code(a)	Economic Characteristic(b)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	RSE Row Factors
<b>Total United States</b>					
	<b>RSE Column Factors:</b>	1.1	1	1	
<b>311 - 339</b>	<b>ALL MANUFACTURING INDUSTRIES</b>				
	<b>Employment Size</b>				
	Under 50	395.7	4.3	2.3	3.6
	50-99	663.4	6.8	3.3	5
	100-249	905.8	7.9	3.8	3.6
	250-499	1,407.1	11.1	5.1	4.3
	500-999	1,999.6	12.4	5.9	5.6
	1000 and Over	1,597.7	8.5	3.9	2.5
	Total	1,172.2	8.9	4.2	2
<b>311</b>	<b>FOOD</b>				
	<b>Employment Size</b>				
	Under 50	893.5	6.6	2.4	13.5
	50-99	1,435.0	6.2	2.9	19.7
	100-249	1,031.0	7.6	2.9	11.6
	250-499	1,392.0	8.9	3.9	13.6
	500-999	581.2	3.3	1.8	18.3
	1000 and Over	365.0	3.8	1.4	13.7
	Total	867.8	6.0	2.6	6.6
<b>311221</b>	<b>Wet Corn Milling</b>				
	<b>Employment Size</b>				
	Under 50	4,139.1	22.3	8.1	1
	50-99	16,459.1	67.2	23.3	1
	100-249	20,431.1	51.1	21.4	1
	250-499	37,891.9	86.1	33.4	3.6
	500-999	12,505.9	44.0	18.2	1
	1000 and Over	0.0	0.0	0.0	0
	Total	24,113.7	65.7	26.2	1.8
<b>31131</b>	<b>Sugar</b>				
	<b>Employment Size</b>				
	Under 50	14,475.5	70.6	27.0	1
	50-99	4,753.7	26.6	11.6	1
	100-249	12,060.1	81.3	21.6	1
	250-499	9,638.3	52.5	17.1	1
	500-999	2,123.2	29.6	22.2	1
	1000 and Over	2,589.6	23.8	8.8	1
	Total	8,414.5	54.2	17.9	1
<b>311421</b>	<b>Fruit and Vegetable Canning</b>				
	<b>Employment Size</b>				
	Under 50	627.2	2.6	1.5	41.9
	50-99	1,118.6	9.2	4.3	28.9
	100-249	801.4	6.1	2.8	10
	250-499	754.4	5.6	2.5	31.9
	500-999	674.2	3.2	1.6	1
	1000 and Over	1,209.5	8.5	3.1	1
	Total	824.1	5.4	2.5	11

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<b>NAICS Code(a)</b>	<b>Economic Characteristic(b)</b>	<b>Consumption per Employee (million Btu)</b>	<b>Consumption per Dollar of Value Added (thousand Btu)</b>	<b>Consumption per Dollar of Value of Shipments (thousand Btu)</b>	<b>RSE Row Factors</b>
<b>312</b>	<b>BEVERAGE AND TOBACCO PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	436.0	2.8	1.5	20
	50-99	616.0	2.4	1.1	20.9
	100-249	457.7	2.2	0.9	9.1
	250-499	521.7	2.1	1.1	6.2
	500-999	1,391.4	3.4	2.0	1
	1000 and Over	899.4	0.7	0.6	1
	Total	670.4	1.6	1.0	3.1
<b>3121</b>	<b>Beverages</b>				
	<b>Employment Size</b>				
	Under 50	442.1	3.0	1.6	21.3
	50-99	620.0	2.4	1.1	21.9
	100-249	439.6	2.2	0.8	10.1
	250-499	452.1	2.2	1.0	7.6
	500-999	1,511.0	3.2	2.0	1
	1000 and Over	1,212.7	4.0	2.3	1
	Total	658.6	2.8	1.3	4.6
<b>3122</b>	<b>Tobacco</b>				
	<b>Employment Size</b>				
	Under 50	245.6	0.5	0.3	1
	50-99	563.1	2.8	1.5	1
	100-249	848.8	2.2	1.0	1
	250-499	1,043.6	1.8	1.3	1
	500-999	831.0	5.8	2.0	1
	1000 and Over	629.1	0.3	0.3	1
	Total	729.4	0.6	0.5	1
<b>313</b>	<b>TEXTILE MILLS</b>				
	<b>Employment Size</b>				
	Under 50	333.6	3.2	1.8	34.8
	50-99	596.3	8.5	4.2	23.3
	100-249	828.7	11.8	3.8	22.6
	250-499	768.5	11.8	4.4	14.3
	500-999	1,146.9	14.2	5.6	16.9
	1000 and Over	736.0	10.8	4.8	17.2
	Total	798.7	11.2	4.3	9.3
<b>314</b>	<b>TEXTILE PRODUCT MILLS</b>				
	<b>Employment Size</b>				
	Under 50	113.4	1.9	1.1	18.9
	50-99	136.4	2.2	1.2	30
	100-249	87.6	1.5	0.5	31.6
	250-499	570.1	5.5	1.7	19.3
	500-999	567.7	7.8	1.9	25.3
	1000 and Over	856.2	6.8	2.8	23.5
	Total	345.3	4.7	1.6	11.6
<b>315</b>	<b>APPAREL</b>				

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<b>NAICS Code(a)</b>	<b>Economic Characteristic(b)</b>	<b>Consumption per Employee (million Btu)</b>	<b>Consumption per Dollar of Value Added (thousand Btu)</b>	<b>Consumption per Dollar of Value of Shipments (thousand Btu)</b>	<b>RSE Row Factors</b>
	<b>Employment Size</b>				
	Under 50	106.2	2.5	1.0	20.2
	50-99	75.5	1.4	0.6	23.8
	100-249	113.2	1.6	1.0	20.9
	250-499	131.8	2.6	1.4	21.1
	500-999	120.6	1.8	0.8	19.3
	1000 and Over	61.3	1.6	0.6	42.2
	Total	101.7	1.8	0.9	10
<b>316</b>	<b>LEATHER AND ALLIED PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	55.6	1.4	0.6	30.5
	50-99	536.4	8.6	4.8	43.2
	100-249	181.2	1.9	0.9	12.6
	250-499	158.0	1.5	0.6	15
	500-999	60.3	0.8	0.4	36.3
	1000 and Over	135.5	2.0	0.8	14
	Total	152.1	2.4	1.1	12.1
<b>321</b>	<b>WOOD PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	293.5	4.5	2.0	7.6
	50-99	503.2	6.4	2.3	17.2
	100-249	1,215.5	17.3	6.4	7.3
	250-499	899.3	13.6	5.1	9.7
	500-999	1,282.6	20.4	8.5	6.3
	1000 and Over	155.8	1.9	0.9	1
	Total	741.7	10.6	4.2	4.9
<b>321113</b>	<b>Sawmills</b>				
	<b>Employment Size</b>				
	Under 50	484.1	8.1	3.0	10.3
	50-99	1,267.3	17.8	6.2	10.6
	100-249	1,943.5	26.6	7.8	5.9
	250-499	1,885.6	26.6	7.5	2.3
	500-999	3,183.2	62.6	20.5	1
	1000 and Over	0.0	0.0	0.0	0
	Total	1,383.0	20.3	6.5	4.6
<b>3212</b>	<b>Veneer, Plywood, and Engineered Woods</b>				
	<b>Employment Size</b>				
	Under 50	109.0	1.6	0.9	24.6
	50-99	543.9	5.0	Q	30
	100-249	3,709.5	41.4	16.0	7
	250-499	1,537.8	23.1	8.2	14.9
	500-999	1,479.1	24.0	7.5	1
	1000 and Over	0.0	0.0	0.0	0
	Total	1,574.9	19.1	7.2	13.1
<b>3219</b>	<b>Other Wood Products</b>				
	<b>Employment Size</b>				
	Under 50	248.6	3.8	1.9	11
	50-99	176.8	2.7	1.2	20.6

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	100-249	156.0	2.4	1.1	13.3
	250-499	222.4	3.4	1.5	15
	500-999	1,033.0	16.1	7.7	9
	1000 and Over	155.8	1.9	0.9	1
	Total	245.5	3.7	1.7	6.3
<b>322</b>	<b>PAPER</b>				
	<b>Employment Size</b>				
	Under 50	463.6	5.2	2.4	16.6
	50-99	1,258.4	12.4	4.7	14.6
	100-249	1,403.7	11.9	4.9	7.3
	250-499	6,572.7	32.9	17.3	13.7
	500-999	12,832.3	56.7	29.3	4
	1000 and Over	10,910.4	39.0	23.8	1
	Total	5,038.0	31.1	15.2	4.3
<b>322110</b>	<b>Pulp Mills</b>				
	<b>Employment Size</b>				
	Under 50	4,553.3	37.7	10.1	1
	50-99	3,218.9	22.2	7.2	33.9
	100-249	21,284.1	114.9	40.0	1
	250-499	26,771.1	122.3	61.8	1
	500-999	25,761.2	116.8	61.6	1
	1000 and Over	0.0	0.0	0.0	0
	Total	24,711.6	116.6	56.0	1
<b>322121</b>	<b>Paper Mills, except Newsprint</b>				
	<b>Employment Size</b>				
	Under 50	Q	28.4	73.8	37.1
	50-99	4,285.0	Q	21.3	28.1
	100-249	2,968.1	14.9	8.5	14.9
	250-499	8,033.1	34.8	18.9	5
	500-999	12,833.6	52.5	24.7	1
	1000 and Over	11,595.3	38.5	24.0	1
	Total	10,401.1	40.4	22.5	2
<b>322122</b>	<b>Newsprint Mills</b>				
	<b>Employment Size</b>				
	Under 50	0.0	0.0	0.0	0
	50-99	2,098.0	53.0	10.9	1
	100-249	13,954.8	49.7	26.5	1
	250-499	14,373.4	62.7	28.2	1
	500-999	0.0	0.0	0.0	0
	1000 and Over	12,866.4	82.9	41.0	1
	Total	13,933.8	62.1	29.1	1
<b>322130</b>	<b>Paperboard Mills</b>				
	<b>Employment Size</b>				
	Under 50	Q	Q	Q	0
	50-99	9,157.2	39.1	22.2	10.5
	100-249	9,513.9	49.3	26.0	8.7
	250-499	22,106.7	80.4	40.6	1
	500-999	28,966.1	101.7	54.9	1

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	1000 and Over	18,361.3	113.8	51.1	1
	Total	18,603.0	82.1	42.1	4.2
<b>323</b>	<b>PRINTING AND RELATED SUPPORT</b>				
	<b>Employment Size</b>				
	Under 50	116.3	1.6	1.1	8.7
	50-99	101.8	1.2	0.7	16.3
	100-249	169.4	1.8	1.0	13.7
	250-499	167.8	1.9	1.2	16.9
	500-999	206.5	2.3	1.5	19.9
	1000 and Over	348.0	3.4	2.1	11.6
	Total	152.6	1.8	1.1	6
<b>324</b>	<b>PETROLEUM AND COAL PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	4,718.1	20.0	6.0	15.6
	50-99	4,188.8	19.5	6.3	22.3
	100-249	16,998.3	56.0	12.1	8.3
	250-499	38,801.2	108.0	13.8	10
	500-999	52,258.4	149.0	16.4	1
	1000 and Over	58,905.3	103.6	18.8	1
	Total	31,369.9	91.3	15.0	3.9
<b>324110</b>	<b>Petroleum Refineries</b>				
	<b>Employment Size</b>				
	Under 50	24,477.5	Q	Q	38.4
	50-99	Q	75.2	13.4	47.5
	100-249	42,558.3	94.2	14.5	9.9
	250-499	45,976.5	110.7	13.7	10.3
	500-999	52,258.4	149.0	16.4	1
	1000 and Over	58,905.3	103.6	18.8	1
	Total	50,515.2	116.3	16.1	3
<b>324199</b>	<b>Other Petroleum and Coal Products</b>				
	<b>Employment Size</b>				
	Under 50	9,728.5	23.8	10.4	1
	50-99	10,335.9	57.0	9.6	5.7
	100-249	5,510.3	83.8	22.2	1
	250-499	23,081.1	174.0	81.7	1
	500-999	0.0	0.0	0.0	0
	1000 and Over	0.0	0.0	0.0	0
	Total	10,950.9	59.8	17.5	3.1
<b>325</b>	<b>CHEMICALS</b>				
	<b>Employment Size</b>				
	Under 50	2,757.4	12.5	6.7	11.6
	50-99	4,727.4	24.0	10.3	10.4
	100-249	3,835.1	13.2	7.1	9.6
	250-499	7,352.4	23.2	11.9	5.9
	500-999	6,720.0	14.8	8.3	9
	1000 and Over	4,175.0	12.4	7.8	4.6
	Total	4,824.6	15.3	8.5	3.6

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<b>325110</b>	<b>Petrochemicals</b>				
	<b>Employment Size</b>				
	Under 50	93,098.2	114.9	42.3	4.9
	50-99	439,677.1	117.8	73.8	1
	100-249	37,251.8	82.9	21.6	1
	250-499	72,328.0	182.0	39.9	1
	500-999	54,493.6	68.6	22.0	1
	1000 and Over	26,058.9	32.0	10.6	1
	Total	50,352.3	77.4	23.2	1
<b>325120</b>	<b>Industrial Gases</b>				
	<b>Employment Size</b>				
	Under 50	32,418.0	50.1	35.3	18.5
	50-99	11,882.9	27.8	16.8	3.6
	100-249	17,882.9	46.7	22.6	4.2
	250-499	12,026.5	276.9	19.1	1
	500-999	0.0	0.0	0.0	0
	1000 and Over	1,998.2	7.6	5.6	1
	Total	21,565.2	44.1	28.4	11.9
<b>325181</b>	<b>Alkalies and Chlorine</b>				
	<b>Employment Size</b>				
	Under 50	32,609.3	196.0	76.6	13.3
	50-99	17,768.4	49.9	29.3	1
	100-249	28,615.7	128.9	54.5	3.8
	250-499	28,101.2	121.3	63.9	1
	500-999	18,724.2	124.1	71.6	1
	1000 and Over	35,052.8	194.9	73.3	1
	Total	29,066.6	143.3	63.2	2.3
<b>325182</b>	<b>Carbon Black</b>				
	<b>Employment Size</b>				
	Under 50	209.4	1.2	1.0	1
	50-99	33,747.9	165.1	68.4	1
	100-249	10,834.6	25.8	17.1	1
	250-499	0.0	0.0	0.0	0
	500-999	0.0	0.0	0.0	0
	1000 and Over	0.0	0.0	0.0	0
	Total	22,898.4	77.3	42.0	1
<b>325188</b>	<b>Other Basic Inorganic Chemicals</b>				
	<b>Employment Size</b>				
	Under 50	3,681.0	13.2	6.6	17.1
	50-99	10,663.9	52.0	25.7	16.6
	100-249	7,492.8	27.2	14.9	7
	250-499	3,300.2	12.9	8.0	13
	500-999	1,023.2	17.6	3.5	1
	1000 and Over	2,808.3	20.2	12.8	4.9
	Total	4,156.1	21.4	11.7	5.2
<b>325192</b>	<b>Cyclic Crudes and Intermediates</b>				
	<b>Employment Size</b>				

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	Under 50	4,537.9	25.4	9.4	1
	50-99	6,466.7	8.6	10.0	1
	100-249	29,663.8	36.7	12.9	1
	250-499	13,612.1	1,132.3	20.5	1
	500-999	6,006.8	31.7	9.1	1
	1000 and Over	9,440.1	15.9	8.1	1
	Total	11,541.3	36.8	12.6	1
<b>325193</b>	<b>Ethyl Alcohol</b>				
	<b>Employment Size</b>				
	Under 50	23,138.8	83.1	29.4	1
	50-99	Q	Q	46.6	42.6
	100-249	24,525.9	56.7	18.3	1
	250-499	0.0	0.0	0.0	0
	500-999	0.0	0.0	0.0	0
	1000 and Over	0.0	0.0	0.0	0
	Total	26,688.9	65.4	24.4	8.4
<b>325199</b>	<b>Other Basic Organic Chemicals</b>				
	<b>Employment Size</b>				
	Under 50	3,767.7	12.1	4.9	18.4
	50-99	9,422.5	35.6	13.6	12.2
	100-249	9,345.0	34.3	16.7	13.2
	250-499	19,845.4	84.0	29.7	4.9
	500-999	Q	105.6	29.4	17.5
	1000 and Over	7,161.6	84.3	16.4	1
	Total	13,358.7	66.8	22.8	12.2
<b>325211</b>	<b>Plastics Materials and Resins</b>				
	<b>Employment Size</b>				
	Under 50	1,935.1	8.6	3.5	26.8
	50-99	2,538.9	17.7	5.8	27.4
	100-249	2,455.5	12.3	4.0	18.2
	250-499	11,066.1	38.0	12.3	1.8
	500-999	8,591.3	104.1	11.3	1
	1000 and Over	24,721.0	90.5	37.4	1
	Total	8,899.1	41.4	14.5	8.4
<b>325212</b>	<b>Synthetic Rubber</b>				
	<b>Employment Size</b>				
	Under 50	393.5	2.9	1.4	20
	50-99	3,040.0	6.2	2.9	25
	100-249	5,419.5	19.0	8.4	6.1
	250-499	5,849.7	26.0	11.8	1
	500-999	Q	Q	Q	0
	1000 and Over	0.0	0.0	0.0	0
	Total	4,584.0	16.7	8.0	21.3
<b>325222</b>	<b>Noncellulosic Organic Fibers</b>				
	<b>Employment Size</b>				
	Under 50	154.1	2.4	1.3	1
	50-99	1,009.6	9.7	4.2	1
	100-249	928.1	5.6	2.6	12.1

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	250-499	2,406.2	17.7	6.9	1
	500-999	2,747.2	14.7	7.2	1
	1000 and Over	4,919.3	33.6	12.7	1
	Total	3,026.0	19.1	8.4	1.3
<b>325311</b>	<b>Nitrogenous Fertilizers</b>				
	<b>Employment Size</b>				
	Under 50	4,821.3	18.0	7.4	1
	50-99	50,567.2	272.8	66.3	1
	100-249	52,166.2	166.1	58.0	1
	250-499	62,938.2	370.5	77.5	1
	500-999	0.0	0.0	0.0	0
	1000 and Over	0.0	0.0	0.0	0
	Total	46,585.3	202.5	58.7	1
<b>325312</b>	<b>Phosphatic Fertilizers</b>				
	<b>Employment Size</b>				
	Under 50	2,344.0	15.8	3.4	1
	50-99	517.3	21.2	2.7	1
	100-249	8,415.7	40.9	9.0	1
	250-499	3,305.0	14.9	6.3	1
	500-999	2,776.9	12.3	3.4	1
	1000 and Over	3,542.2	18.3	7.9	1
	Total	4,095.1	19.5	6.6	1
<b>3254</b>	<b>Pharmaceuticals and Medicines</b>				
	<b>Employment Size</b>				
	Under 50	179.2	1.1	0.7	24.3
	50-99	973.9	4.6	2.7	25.5
	100-249	495.2	1.4	1.0	15.9
	250-499	668.3	1.7	1.3	9.3
	500-999	653.1	0.9	0.6	7.7
	1000 and Over	444.1	1.2	0.8	3.8
	Total	525.5	1.2	0.8	3.9
<b>325412</b>	<b>Pharmaceutical Preparation</b>				
	<b>Employment Size</b>				
	Under 50	125.7	0.7	0.5	33.6
	50-99	935.8	4.4	2.7	30.4
	100-249	480.1	1.1	0.8	18.6
	250-499	402.9	0.9	0.7	11.6
	500-999	632.3	0.8	0.6	9.2
	1000 and Over	491.2	1.1	0.8	4
	Total	514.0	1.0	0.7	4.9
<b>325992</b>	<b>Photographic Film, Paper, Plate, and Chemicals</b>				
	<b>Employment Size</b>				
	Under 50	Q	Q	Q	0
	50-99	300.6	2.0	1.0	24
	100-249	907.3	2.7	1.7	14.9
	250-499	613.2	2.7	1.5	1
	500-999	606.1	-21.3	1.1	1
	1000 and Over	1,126.5	2.8	2.8	1



**Table 6.4 Consumption Ratios of Fuel, 2002;**  
**Level: National Data;**  
**Row: Employment Sizes within NAICS Codes;**  
**Column: Energy-Consumption Ratios;**  
**Unit: Varies.**

NAICS Code(a)	Economic Characteristic(b)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	RSE Row Factors
	Total	804.1	2.7	2.2	13.3
<b>326</b>	<b>PLASTICS AND RUBBER PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	280.9	3.1	1.6	11.7
	50-99	297.6	3.5	1.7	12.7
	100-249	357.5	3.5	1.9	9
	250-499	470.1	4.7	2.8	14.3
	500-999	389.4	3.8	2.2	13
	1000 and Over	478.6	5.2	2.6	10.8
	Total	375.5	3.9	2.1	5.3
<b>327</b>	<b>NONMETALLIC MINERAL PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	672.6	6.1	3.1	10.3
	50-99	1,871.7	18.5	10.2	16.3
	100-249	5,169.3	37.5	23.3	9
	250-499	3,227.0	25.1	14.7	6.1
	500-999	2,519.2	20.4	12.9	5.2
	1000 and Over	1,061.5	11.3	7.0	1
	Total	2,434.9	20.7	11.7	5.3
<b>3272</b>	<b>Glass and Glass Products</b>				
	<b>Employment Size</b>				
	Under 50	318.9	3.6	2.6	32
	50-99	609.0	7.4	4.5	25.4
	100-249	2,462.7	18.0	10.7	8.3
	250-499	2,863.0	20.6	12.1	5.2
	500-999	1,902.9	16.8	9.7	6.8
	1000 and Over	1,061.0	11.5	6.9	1
	Total	2,002.5	16.7	9.9	4.3
<b>327211</b>	<b>Flat Glass</b>				
	<b>Employment Size</b>				
	Under 50	1,718.1	20.9	14.0	1
	50-99	5,083.6	41.8	22.9	1
	100-249	8,424.1	38.3	22.3	1
	250-499	6,545.9	36.3	22.8	1
	500-999	5,520.9	36.6	22.3	1
	1000 and Over	0.0	0.0	0.0	0
	Total	6,783.2	36.9	22.5	1
<b>327213</b>	<b>Glass Containers</b>				
	<b>Employment Size</b>				
	Under 50	0.0	0.0	0.0	0
	50-99	0.0	0.0	0.0	0
	100-249	4,703.6	24.6	14.7	1
	250-499	4,135.1	23.8	15.2	1
	500-999	2,941.6	32.4	15.9	1
	1000 and Over	0.0	0.0	0.0	0
	Total	4,239.0	24.3	15.1	1
<b>327310</b>	<b>Cements</b>				

**Table 6.4 Consumption Ratios of Fuel, 2002;**  
**Level: National Data;**  
**Row: Employment Sizes within NAICS Codes;**  
**Column: Energy-Consumption Ratios;**  
**Unit: Varies.**

NAICS Code(a)	Economic Characteristic(b)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	RSE Row Factors
	<b>Employment Size</b>				
	Under 50	Q	Q	Q	0
	50-99	26,066.7	101.4	58.3	7.7
	100-249	24,525.2	92.8	57.8	1.6
	250-499	34,100.1	145.7	80.6	1
	500-999	0.0	0.0	0.0	0
	1000 and Over	0.0	0.0	0.0	0
	Total	24,086.5	95.5	56.0	3.2
<b>327410</b>	<b>Lime</b>				
	<b>Employment Size</b>				
	Under 50	47,374.2	262.3	130.0	1
	50-99	25,329.1	158.0	91.3	1
	100-249	17,607.1	176.6	84.8	1
	250-499	0.0	0.0	0.0	0
	500-999	19,647.3	156.7	114.6	1
	1000 and Over	0.0	0.0	0.0	0
	Total	25,007.2	189.6	101.9	1
<b>327993</b>	<b>Mineral Wool</b>				
	<b>Employment Size</b>				
	Under 50	538.1	6.6	3.5	38.5
	50-99	Q	Q	Q	0
	100-249	4,459.9	23.9	15.0	1.3
	250-499	2,746.0	17.5	10.5	4.9
	500-999	3,337.2	19.8	13.3	1
	1000 and Over	0.0	0.0	0.0	0
	Total	2,400.9	18.0	10.8	9
<b>331</b>	<b>PRIMARY METALS</b>				
	<b>Employment Size</b>				
	Under 50	931.1	10.7	4.5	13.3
	50-99	1,148.6	13.3	4.9	9.9
	100-249	1,127.7	11.3	4.5	5.9
	250-499	2,602.7	20.3	8.5	4.6
	500-999	4,245.0	28.0	11.0	2
	1000 and Over	10,737.9	76.3	33.8	1
	Total	4,170.7	34.6	14.2	2.3
<b>331111</b>	<b>Iron and Steel Mills</b>				
	<b>Employment Size</b>				
	Under 50	3,552.0	40.3	18.6	47.3
	50-99	1,220.4	Q	4.4	31.6
	100-249	1,410.2	14.1	4.7	35
	250-499	4,935.1	22.2	9.7	8.8
	500-999	7,840.7	35.3	12.0	1
	1000 and Over	15,979.6	101.3	45.3	1
	Total	11,293.6	66.5	27.8	3.6
<b>331112</b>	<b>Electrometallurgical Ferroalloy Products</b>				
	<b>Employment Size</b>				
	Under 50	6,272.0	77.5	25.0	1

**Table 6.4 Consumption Ratios of Fuel, 2002;**  
**Level: National Data;**  
**Row: Employment Sizes within NAICS Codes;**  
**Column: Energy-Consumption Ratios;**  
**Unit: Varies.**

<b>NAICS Code(a)</b>	<b>Economic Characteristic(b)</b>	<b>Consumption per Employee (million Btu)</b>	<b>Consumption per Dollar of Value Added (thousand Btu)</b>	<b>Consumption per Dollar of Value of Shipments (thousand Btu)</b>	<b>RSE Row Factors</b>
	50-99	9,266.4	65.6	28.1	1
	100-249	10,588.2	117.2	28.5	5.2
	250-499	0.0	0.0	0.0	0
	500-999	1,132.9	7.8	2.7	1
	1000 and Over	0.0	0.0	0.0	0
	Total	5,583.6	46.1	14.3	2.1
<b>3312</b>	<b>Steel Products from Purchased Steel</b>				
	<b>Employment Size</b>				
	Under 50	821.0	5.4	1.4	27.7
	50-99	684.7	6.3	2.2	15.7
	100-249	739.3	7.1	2.7	9.3
	250-499	1,150.3	8.9	3.3	7.5
	500-999	1,047.6	7.2	2.2	2.3
	1000 and Over	0.0	0.0	0.0	0
	Total	871.3	7.4	2.6	5.3
<b>3313</b>	<b>Alumina and Aluminum</b>				
	<b>Employment Size</b>				
	Under 50	Q	7.9	3.2	33.7
	50-99	1,502.1	21.7	6.1	32.9
	100-249	1,503.8	14.5	4.5	14.8
	250-499	5,375.8	49.3	17.8	10.6
	500-999	10,244.6	48.3	18.8	1.4
	1000 and Over	6,156.4	36.4	13.9	1
	Total	4,496.8	34.3	12.2	5.8
<b>331312</b>	<b>Primary Aluminum</b>				
	<b>Employment Size</b>				
	Under 50	Q	Q	Q	0
	50-99	0.0	0.0	0.0	0
	100-249	12,943.1	30.5	22.8	1
	250-499	21,423.3	167.7	44.1	1
	500-999	16,775.3	121.2	39.3	1
	1000 and Over	14,200.6	97.6	37.4	1
	Total	16,159.7	112.3	38.5	2.3
<b>3314</b>	<b>Nonferrous Metals, except Aluminum</b>				
	<b>Employment Size</b>				
	Under 50	682.4	5.6	2.2	34
	50-99	1,353.1	12.6	3.3	17.5
	100-249	1,099.8	9.6	3.2	14.3
	250-499	1,629.9	14.4	4.4	5.4
	500-999	1,883.8	19.2	7.7	15.9
	1000 and Over	1,834.4	14.0	7.5	1
	Total	1,373.1	12.0	4.1	7
<b>3315</b>	<b>Foundries</b>				
	<b>Employment Size</b>				
	Under 50	338.5	5.1	2.7	14.4
	50-99	916.7	12.0	6.7	12.6
	100-249	732.1	8.4	5.2	4.9
	250-499	1,117.1	12.9	7.0	3.6

**Table 6.4 Consumption Ratios of Fuel, 2002;**  
**Level: National Data;**  
**Row: Employment Sizes within NAICS Codes;**  
**Column: Energy-Consumption Ratios;**  
**Unit: Varies.**

NAICS Code(a)	Economic Characteristic(b)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	RSE Row Factors
	500-999	906.2	9.1	5.1	1
	1000 and Over	1,091.9	13.4	6.3	1
	Total	866.3	10.3	5.6	3
<b>331511</b>	<b>Iron Foundries</b>				
	<b>Employment Size</b>				
	Under 50	444.4	8.3	Q	22.5
	50-99	1,631.7	23.9	13.4	17.3
	100-249	947.0	11.2	7.2	5.9
	250-499	1,378.9	15.3	8.5	5.9
	500-999	1,363.5	13.4	7.6	1
	1000 and Over	1,193.5	17.3	7.2	1
	Total	1,224.5	15.0	7.7	3.6
<b>331521</b>	<b>Aluminum Die-Casting Foundries</b>				
	<b>Employment Size</b>				
	Under 50	303.7	7.3	2.4	38.2
	50-99	646.8	7.0	4.0	34.3
	100-249	686.7	7.7	4.4	6.6
	250-499	866.2	9.8	5.1	1
	500-999	741.5	7.7	3.6	1
	1000 and Over	1,608.5	18.8	7.1	1
	Total	814.2	9.5	4.7	7
<b>331524</b>	<b>Aluminum Foundries, except Die-Casting</b>				
	<b>Employment Size</b>				
	Under 50	352.2	5.1	3.6	11.3
	50-99	508.0	8.2	5.1	9
	100-249	562.0	6.4	4.1	17.9
	250-499	675.0	9.3	5.0	1.6
	500-999	877.7	8.2	4.6	1
	1000 and Over	915.1	9.1	5.5	1
	Total	642.8	7.6	4.5	5.2
<b>332</b>	<b>FABRICATED METAL PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	173.5	2.0	1.3	8.4
	50-99	218.3	2.7	1.4	12.7
	100-249	241.3	2.8	1.5	12.7
	250-499	546.0	6.9	3.5	23.3
	500-999	265.4	2.9	1.7	26.7
	1000 and Over	297.3	2.9	1.4	27.6
	Total	258.4	3.0	1.7	6.3
<b>333</b>	<b>MACHINERY</b>				
	<b>Employment Size</b>				
	Under 50	90.3	1.2	0.7	10.9
	50-99	124.5	1.5	0.8	18.3
	100-249	148.9	1.3	0.7	15.6
	250-499	199.5	1.7	0.7	18.6
	500-999	150.8	1.4	0.6	18
	1000 and Over	231.4	1.4	0.6	12.6
	Total	157.5	1.4	0.7	7

**Table 6.4 Consumption Ratios of Fuel, 2002;**  
**Level: National Data;**  
**Row: Employment Sizes within NAICS Codes;**  
**Column: Energy-Consumption Ratios;**  
**Unit: Varies.**

NAICS Code(a)	Economic Characteristic(b)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	RSE Row Factors
<b>334</b>	<b>COMPUTER AND ELECTRONIC PRODUCTS</b>				
	<b>Employment Size</b>				
	Under 50	100.5	0.9	0.6	16.5
	50-99	258.7	2.8	1.4	21
	100-249	85.3	0.9	0.5	16.3
	250-499	153.0	1.2	0.5	16
	500-999	138.9	0.8	0.4	25.9
	1000 and Over	145.2	0.7	0.4	6.2
	Total	141.1	0.9	0.5	7.3
<b>334413</b>	<b>Semiconductors and Related Devices</b>				
	<b>Employment Size</b>				
	Under 50	Q	Q	Q	0
	50-99	Q	Q	Q	0
	100-249	265.1	3.0	1.6	21.7
	250-499	472.9	4.1	2.8	13
	500-999	378.8	1.2	0.8	10.9
	1000 and Over	375.4	1.1	0.9	1.3
	Total	387.7	1.3	1.0	4.1
<b>335</b>	<b>ELEC. EQUIP., APPLIANCES, COMPONENTS</b>				
	<b>Employment Size</b>				
	Under 50	129.5	1.4	0.7	26.9
	50-99	221.0	2.7	1.2	24.9
	100-249	258.0	2.6	1.3	13.3
	250-499	241.9	1.8	1.1	14
	500-999	169.5	1.3	0.7	14.6
	1000 and Over	186.2	1.6	0.8	10
	Total	211.2	1.9	1.0	6.3
<b>336</b>	<b>TRANSPORTATION EQUIPMENT</b>				
	<b>Employment Size</b>				
	Under 50	156.9	2.0	1.0	14.7
	50-99	158.9	2.1	1.1	27.3
	100-249	211.8	2.1	1.1	18.3
	250-499	282.6	2.4	1.0	14.7
	500-999	361.8	2.4	1.2	15.3
	1000 and Over	292.9	1.5	0.6	4.8
	Total	278.6	1.8	0.7	4.6
<b>336112</b>	<b>Light Trucks and Utility Vehicles</b>				
	<b>Employment Size</b>				
	Under 50	54.7	0.5	0.1	1
	50-99	0.0	0.0	0.0	0
	100-249	219.1	0.0	1.3	1
	250-499	0.0	0.0	0.0	0
	500-999	0.0	0.0	0.0	0
	1000 and Over	619.6	1.5	0.4	1
	Total	618.0	1.5	0.4	1
<b>337</b>	<b>FURNITURE AND RELATED PRODUCTS</b>				

**Table 6.4 Consumption Ratios of Fuel, 2002;**  
**Level: National Data;**  
**Row: Employment Sizes within NAICS Codes;**  
**Column: Energy-Consumption Ratios;**  
**Unit: Varies.**

NAICS Code(a)	Economic Characteristic(b)	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	RSE Row Factors
	<b>Employment Size</b>				
	Under 50	61.8	1.0	0.6	10.7
	50-99	60.8	0.9	0.5	22.3
	100-249	109.6	1.7	1.0	15
	250-499	131.7	1.6	0.9	17.6
	500-999	149.2	1.8	1.0	21.2
	1000 and Over	208.5	2.5	1.4	12.5
	Total	113.7	1.6	0.9	7
<b>339</b>	<b>MISCELLANEOUS</b>				
	<b>Employment Size</b>				
	Under 50	68.1	1.0	0.6	10.9
	50-99	56.1	0.6	0.4	23.9
	100-249	109.9	0.9	0.5	19.6
	250-499	131.6	1.2	0.7	15.9
	500-999	148.2	0.9	0.6	13.7
	1000 and Over	111.7	0.6	0.4	8.6
	Total	101.5	0.9	0.6	6.3

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).

(b) Employment Size categories were supplied by the Bureau of the Census.

NF=No applicable RSE row/column factor.

\* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

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

NA=Not available.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.

Operating ratios were calculated using the estimates of fuel consumption reported in Table N3.2.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2002 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2002 Economic Census, Manufacturing - Industry Series.'