

Table 6.3 Consumption Ratios of Fuel, 2002;
Level: National Data;
Row: Values of Shipments 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 United States					
	RSE Column Factors:	1	1	1	
311 - 339	ALL MANUFACTURING INDUSTRIES				
	Value of Shipments and Receipts (million dollars)				
	Under 20	281.0	3.9	2.2	3
	20-49	583.7	6.1	3.0	4.6
	50-99	889.2	8.1	3.8	4.9
	100-249	1,268.8	8.7	4.1	4.6
	250-499	2,146.6	11.2	5.3	7.6
	500 and Over	3,807.1	12.5	5.4	2.3
	Total	1,172.2	8.9	4.2	2
311	FOOD				
	Value of Shipments and Receipts (million dollars)				
	Under 20	486.8	6.1	3.0	13.3
	20-49	563.3	5.1	2.3	16.6
	50-99	789.3	8.1	2.7	15.3
	100-249	935.7	6.0	2.6	11.6
	250-499	1,318.8	5.4	2.6	16.6
	500 and Over	1,176.8	6.3	2.4	14.9
	Total	867.8	6.0	2.6	6.6
311221	Wet Corn Milling				
	Value of Shipments and Receipts (million dollars)				
	Under 20	3,479.9	21.5	7.8	1
	20-49	3,194.5	30.1	10.5	1
	50-99	12,635.3	42.3	23.5	22.2
	100-249	14,732.4	49.3	20.6	1
	250-499	18,658.9	54.9	21.5	1
	500 and Over	75,021.3	104.4	39.6	1
	Total	24,113.7	65.7	26.2	1.8
31131	Sugar				
	Value of Shipments and Receipts (million dollars)				
	Under 20	27,803.8	168.0	103.7	1
	20-49	10,431.3	76.6	29.1	1
	50-99	5,320.2	54.0	27.2	1
	100-249	11,001.6	56.7	22.2	1
	250-499	4,770.0	32.6	6.4	1
	500 and Over	0.0	0.0	0.0	0
	Total	8,414.5	54.2	17.9	1
311421	Fruit and Vegetable Canning				
	Value of Shipments and Receipts (million dollars)				
	Under 20	417.7	4.5	2.2	30.9
	20-49	806.0	6.2	3.0	18

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	50-99	812.8	5.5	2.8	29.3
	100-249	975.9	5.6	2.4	5
	250-499	716.3	3.3	1.8	10.1
	500 and Over	2,112.9	7.2	2.5	1
	Total	824.1	5.4	2.5	11
312	BEVERAGE AND TOBACCO PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	333.6	3.8	2.1	18.3
	20-49	341.9	3.5	1.2	20.8
	50-99	419.8	3.3	1.0	15
	100-249	717.3	2.4	1.1	6.5
	250-499	577.6	1.5	0.7	4.6
	500 and Over	1,209.8	1.1	0.9	1
	Total	670.4	1.6	1.0	3.1
3121	Beverages				
	Value of Shipments and Receipts (million dollars)				
	Under 20	320.2	3.6	2.0	19
	20-49	315.4	3.3	1.1	21.8
	50-99	429.3	3.6	1.0	16.5
	100-249	629.2	2.1	0.9	7.2
	250-499	648.3	1.4	0.7	5.5
	500 and Over	1,598.5	3.4	2.1	1
	Total	658.6	2.8	1.3	4.6
3122	Tobacco				
	Value of Shipments and Receipts (million dollars)				
	Under 20	611.7	11.3	4.7	1
	20-49	1,077.8	7.2	3.1	1
	50-99	297.7	1.3	0.7	1
	100-249	1,413.1	5.6	3.6	1
	250-499	333.9	2.4	0.6	1
	500 and Over	650.3	0.3	0.3	1
	Total	729.4	0.6	0.5	1
313	TEXTILE MILLS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	605.6	10.1	5.2	20.6
	20-49	702.6	12.1	4.3	16.6
	50-99	939.4	11.2	4.6	19.9
	100-249	847.1	9.0	3.2	20.8
	250-499	752.7	14.2	4.3	5.4
	500 and Over	4,718.7	17.9	6.8	1
	Total	798.7	11.2	4.3	9.3
314	TEXTILE PRODUCT MILLS				
	Value of Shipments and Receipts (million dollars)				

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	Under 20	113.2	2.1	1.2	14.6
	20-49	151.6	1.7	0.8	26.9
	50-99	432.3	7.2	1.7	38.3
	100-249	582.5	8.6	2.1	27.4
	250-499	633.4	3.9	1.6	16
	500 and Over	962.2	8.3	1.1	1
	Total	345.3	4.7	1.6	11.6
315	APPAREL				
	Value of Shipments and Receipts (million dollars)				
	Under 20	73.6	1.9	1.0	14.6
	20-49	175.9	2.0	1.0	18.6
	50-99	138.1	1.9	0.9	22.7
	100-249	116.3	1.9	0.6	31.5
	250-499	26.9	0.2	0.1	1
	500 and Over	0.0	0.0	0.0	0
	Total	101.7	1.8	0.9	10
316	LEATHER AND ALLIED PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	68.3	1.7	0.8	23.3
	20-49	159.4	2.3	1.0	15.2
	50-99	878.2	5.4	2.7	19.6
	100-249	145.9	1.3	0.6	13.6
	250-499	858.0	3.0	0.6	1
	500 and Over	0.0	0.0	0.0	0
	Total	152.1	2.4	1.1	12.1
321	WOOD PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	280.4	4.6	2.2	6.6
	20-49	1,051.7	14.8	5.4	7.3
	50-99	1,720.2	21.5	7.0	6
	100-249	1,494.2	13.6	4.2	21.8
	250-499	166.4	1.5	1.1	1
	500 and Over	185.5	1.5	0.7	1
	Total	741.7	10.6	4.2	4.9
321113	Sawmills				
	Value of Shipments and Receipts (million dollars)				
	Under 20	514.1	8.7	3.4	8
	20-49	2,084.2	30.0	8.3	6.3
	50-99	2,772.7	30.2	8.6	5.9
	100-249	2,570.3	24.7	7.6	9.2
	250-499	0.0	0.0	0.0	0
	500 and Over	0.0	0.0	0.0	0
	Total	1,383.0	20.3	6.5	4.6
3212	Veneer, Plywood, and Engineered Woods				

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	Value of Shipments and Receipts (million dollars)				
	Under 20	280.8	4.3	2.3	16
	20-49	2,568.6	35.5	13.0	14.2
	50-99	3,037.9	34.2	12.5	6.6
	100-249	1,568.3	Q	Q	20.2
	250-499	0.0	0.0	0.0	0
	500 and Over	0.0	0.0	0.0	0
	Total	1,574.9	19.1	7.2	13.1
3219	Other Wood Products				
	Value of Shipments and Receipts (million dollars)				
	Under 20	195.1	3.3	1.6	10
	20-49	172.0	2.4	1.1	12.3
	50-99	316.0	4.7	1.8	11.7
	100-249	1,145.6	16.1	7.2	9.3
	250-499	166.4	1.5	1.1	1
	500 and Over	185.5	1.5	0.7	1
	Total	245.5	3.7	1.7	6.3
322	PAPER				
	Value of Shipments and Receipts (million dollars)				
	Under 20	489.0	6.3	3.0	12.7
	20-49	874.4	9.1	3.4	9
	50-99	1,921.2	14.2	6.1	10.7
	100-249	8,363.0	41.6	20.7	12.6
	250-499	16,035.6	61.7	33.9	3.6
	500 and Over	11,349.3	28.4	16.9	1
	Total	5,038.0	31.1	15.2	4.3
322110	Pulp Mills				
	Value of Shipments and Receipts (million dollars)				
	Under 20	2,950.3	30.7	10.7	1
	20-49	5,139.5	33.3	11.9	9
	50-99	10,891.6	76.4	30.4	1
	100-249	34,589.1	158.5	71.2	1
	250-499	25,873.3	104.4	58.4	1
	500 and Over	0.0	0.0	0.0	0
	Total	24,711.6	116.6	56.0	1
322121	Paper Mills, except Newsprint				
	Value of Shipments and Receipts (million dollars)				
	Under 20	5,447.5	46.4	35.4	29.9
	20-49	3,178.4	30.2	14.3	25.3
	50-99	3,372.4	20.9	11.1	14.9
	100-249	8,676.2	45.1	24.7	4.3
	250-499	14,325.1	61.1	32.6	1.3
	500 and Over	10,873.6	27.1	15.7	1
	Total	10,401.1	40.4	22.5	2

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322122	Newsprint Mills				
	Value of Shipments and Receipts (million dollars)				
	Under 20	2,098.0	53.0	10.9	1
	20-49	0.0	0.0	0.0	0
	50-99	15,433.0	88.1	42.0	1
	100-249	13,108.0	60.3	27.0	1
	250-499	15,204.4	56.4	28.3	1
	500 and Over	0.0	0.0	0.0	0
	Total	13,933.8	62.1	29.1	1
322130	Paperboard Mills				
	Value of Shipments and Receipts (million dollars)				
	Under 20	1,976.3	20.8	Q	40.8
	20-49	6,533.5	48.8	25.0	13.9
	50-99	10,906.9	51.3	27.2	8
	100-249	22,868.5	89.2	45.1	3.4
	250-499	24,685.3	97.4	50.5	1
	500 and Over	31,772.5	89.0	49.2	1
	Total	18,603.0	82.1	42.1	4.2
323	PRINTING AND RELATED SUPPORT				
	Value of Shipments and Receipts (million dollars)				
	Under 20	102.0	1.4	0.9	8
	20-49	180.4	2.0	1.1	15
	50-99	202.9	2.0	1.2	17.2
	100-249	315.5	2.5	1.6	13.9
	250-499	317.4	2.8	1.4	34
	500 and Over	0.0	0.0	0.0	0
	Total	152.6	1.8	1.1	6
324	PETROLEUM AND COAL PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	3,106.0	20.0	7.3	14
	20-49	1,615.5	7.8	3.5	23.3
	50-99	8,191.8	40.3	12.4	18.6
	100-249	6,282.1	17.2	6.0	19.6
	250-499	22,148.9	45.3	7.0	24.5
	500 and Over	54,190.4	120.4	16.5	2.6
	Total	31,369.9	91.3	15.0	3.9
324110	Petroleum Refineries				
	Value of Shipments and Receipts (million dollars)				
	Under 20	Q	Q	Q	0
	20-49	1,085.5	3.8	1.9	35.2
	50-99	22,038.6	Q	Q	49.4
	100-249	19,409.8	95.1	18.2	14.3
	250-499	25,654.8	55.0	7.9	28.8
	500 and Over	54,190.4	120.4	16.5	2.6

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	Total	50,515.2	116.3	16.1	3
324199	Other Petroleum and Coal Products				
	Value of Shipments and Receipts (million dollars)				
	Under 20	11,577.4	157.7	42.7	1
	20-49	5,186.3	34.5	12.8	1
	50-99	14,822.6	53.9	25.1	1
	100-249	0.0	0.0	0.0	0
	250-499	11,463.4	45.7	2.7	11.1
	500 and Over	0.0	0.0	0.0	0
	Total	10,950.9	59.8	17.5	3.1
325	CHEMICALS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	1,454.8	11.7	6.5	10.3
	20-49	2,569.2	15.4	8.5	11.6
	50-99	3,484.6	17.2	8.4	9.6
	100-249	5,256.0	19.4	9.6	9
	250-499	5,779.5	18.7	9.3	14
	500 and Over	8,279.1	13.4	8.1	3.6
	Total	4,824.6	15.3	8.5	3.6
325110	Petrochemicals				
	Value of Shipments and Receipts (million dollars)				
	Under 20	3,712.0	Q	17.3	12.8
	20-49	11,722.4	16.8	12.4	1
	50-99	4,880.1	149.8	12.2	1
	100-249	38,375.2	94.2	34.0	1
	250-499	84,419.3	121.2	49.4	1
	500 and Over	50,564.2	71.0	20.6	1
	Total	50,352.3	77.4	23.2	1
325120	Industrial Gases				
	Value of Shipments and Receipts (million dollars)				
	Under 20	23,998.3	69.5	47.7	14
	20-49	39,328.0	39.2	27.4	36.9
	50-99	20,952.9	56.1	20.9	1
	100-249	20,830.4	30.3	18.5	1
	250-499	19,347.7	18.7	9.8	1
	500 and Over	1,998.2	7.6	5.6	1
	Total	21,565.2	44.1	28.4	11.9
325181	Alkalies and Chlorine				
	Value of Shipments and Receipts (million dollars)				
	Under 20	34,965.6	251.6	89.7	17
	20-49	10,666.5	82.2	36.5	14
	50-99	32,098.8	233.4	70.3	1
	100-249	29,286.0	106.2	56.9	1

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	250-499	0.0	0.0	0.0	0
	500 and Over	35,052.8	194.9	73.3	1
	Total	29,066.6	143.3	63.2	2.3
325182	Carbon Black				
	Value of Shipments and Receipts (million dollars)				
	Under 20	3,678.3	39.4	19.4	1
	20-49	38,533.4	169.1	70.6	1
	50-99	9,427.3	24.0	16.3	1
	100-249	15,566.7	30.7	18.9	1
	250-499	0.0	0.0	0.0	0
	500 and Over	0.0	0.0	0.0	0
	Total	22,898.4	77.3	42.0	1
325188	Other Basic Inorganic Chemicals				
	Value of Shipments and Receipts (million dollars)				
	Under 20	2,247.0	10.8	6.2	18
	20-49	7,600.7	33.5	17.4	10.6
	50-99	3,808.5	18.6	8.6	17.7
	100-249	9,279.0	27.5	16.3	10.3
	250-499	733.0	4.3	2.4	11.5
	500 and Over	3,453.6	28.4	15.8	1
	Total	4,156.1	21.4	11.7	5.2
325192	Cyclic Crudes and Intermediates				
	Value of Shipments and Receipts (million dollars)				
	Under 20	2,352.7	20.1	9.3	1
	20-49	3,931.3	17.2	6.1	1
	50-99	14,271.4	22.9	29.2	1
	100-249	9,968.3	53.4	22.8	1
	250-499	14,582.8	255.4	17.1	1
	500 and Over	8,547.1	12.5	5.5	1
	Total	11,541.3	36.8	12.6	1
325193	Ethyl Alcohol				
	Value of Shipments and Receipts (million dollars)				
	Under 20	12,811.4	161.7	28.7	1
	20-49	31,926.8	Q	41.8	38.8
	50-99	31,133.7	80.2	33.2	1
	100-249	12,425.3	46.1	11.9	1
	250-499	32,710.5	48.5	15.9	1
	500 and Over	0.0	0.0	0.0	0
	Total	26,688.9	65.4	24.4	8.4
325199	Other Basic Organic Chemicals				
	Value of Shipments and Receipts (million dollars)				
	Under 20	3,562.7	43.7	22.6	40.4
	20-49	9,592.5	51.8	28.0	18.3

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	50-99	5,685.8	22.7	10.2	14.6
	100-249	9,489.5	32.7	15.5	13.3
	250-499	Q	165.9	Q	14.1
	500 and Over	23,873.4	83.0	28.9	1
	Total	13,358.7	66.8	22.8	12.2
325211	Plastics Materials and Resins				
	Value of Shipments and Receipts (million dollars)				
	Under 20	269.2	3.2	1.6	33.9
	20-49	1,600.1	9.5	4.3	33.1
	50-99	3,033.1	11.0	4.1	22.1
	100-249	7,371.0	27.2	6.7	13.7
	250-499	7,356.6	33.5	7.7	3
	500 and Over	26,056.7	75.6	28.6	1
	Total	8,899.1	41.4	14.5	8.4
325212	Synthetic Rubber				
	Value of Shipments and Receipts (million dollars)				
	Under 20	389.3	4.5	1.9	12.9
	20-49	1,202.5	9.3	5.8	8.2
	50-99	4,774.0	17.7	7.4	24.6
	100-249	5,698.3	19.5	7.9	11.3
	250-499	Q	12.8	7.2	43.8
	500 and Over	17,007.7	39.9	15.7	1
	Total	4,584.0	16.7	8.0	21.3
325222	Noncellulosic Organic Fibers				
	Value of Shipments and Receipts (million dollars)				
	Under 20	509.2	7.4	3.9	1
	20-49	690.0	8.1	3.5	17.9
	50-99	1,573.4	12.4	5.7	1
	100-249	1,638.7	13.1	5.1	1
	250-499	5,608.4	31.8	13.5	1
	500 and Over	3,588.3	13.8	6.7	1
	Total	3,026.0	19.1	8.4	1.3
325311	Nitrogenous Fertilizers				
	Value of Shipments and Receipts (million dollars)				
	Under 20	9,383.1	104.6	43.8	1
	20-49	8,775.1	57.2	15.2	1
	50-99	59,851.3	330.8	72.3	1
	100-249	49,174.9	159.3	51.7	1
	250-499	123,736.2	282.8	78.4	1
	500 and Over	0.0	0.0	0.0	0
	Total	46,585.3	202.5	58.7	1
325312	Phosphatic Fertilizers				
	Value of Shipments and Receipts (million dollars)				

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	Under 20	714.3	-76.8	2.3	1
	20-49	0.0	0.0	0.0	0
	50-99	5,125.0	25.3	9.3	1
	100-249	3,735.4	19.2	7.6	1
	250-499	4,869.4	20.4	7.0	1
	500 and Over	2,776.9	12.3	3.4	1
	Total	4,095.1	19.5	6.6	1
3254	Pharmaceuticals and Medicines				
	Value of Shipments and Receipts (million dollars)				
	Under 20	183.0	1.5	1.1	20.6
	20-49	476.6	3.5	2.2	22
	50-99	670.8	3.9	2.4	22.6
	100-249	627.7	3.3	2.1	12.9
	250-499	711.5	1.9	1.5	14.9
	500 and Over	437.6	0.5	0.4	2
	Total	525.5	1.2	0.8	3.9
325412	Pharmaceutical Preparation				
	Value of Shipments and Receipts (million dollars)				
	Under 20	150.9	1.1	0.9	27.6
	20-49	656.9	4.4	2.7	27.3
	50-99	676.0	3.3	2.0	34.5
	100-249	690.1	3.2	2.1	14.9
	250-499	654.4	1.6	1.3	19
	500 and Over	396.0	0.4	0.3	2
	Total	514.0	1.0	0.7	4.9
325992	Photographic Film, Paper, Plate, and Chemicals				
	Value of Shipments and Receipts (million dollars)				
	Under 20	Q	Q	Q	0
	20-49	1,081.2	10.6	5.1	24.3
	50-99	434.9	2.8	1.2	24.8
	100-249	702.1	3.0	1.5	1
	250-499	913.2	2.4	1.1	1
	500 and Over	1,126.5	2.8	2.8	1
	Total	804.1	2.7	2.2	13.3
326	PLASTICS AND RUBBER PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	237.0	3.4	1.8	8.7
	20-49	347.4	3.5	1.8	10
	50-99	500.1	4.4	2.3	11.7
	100-249	472.1	4.1	2.3	16.3
	250-499	686.4	5.1	2.8	6.3
	500 and Over	660.8	4.2	2.3	11.5
	Total	375.5	3.9	2.1	5.3
327	NONMETALLIC MINERAL PRODUCTS				

Table 6.3 Consumption Ratios of Fuel, 2002;
Level: National Data;
Row: Values of Shipments 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
	Value of Shipments and Receipts (million dollars)				
	Under 20	690.6	7.3	4.1	8.3
	20-49	3,987.7	32.3	17.9	13.3
	50-99	6,613.7	38.4	20.9	7.7
	100-249	4,365.6	27.5	16.6	3.3
	250-499	4,046.8	16.4	11.1	1
	500 and Over	0.0	0.0	0.0	0
	Total	2,434.9	20.7	11.7	5.3
3272	Glass and Glass Products				
	Value of Shipments and Receipts (million dollars)				
	Under 20	388.4	5.4	3.5	16.6
	20-49	1,718.7	15.4	8.8	8
	50-99	3,267.3	20.8	12.7	6.6
	100-249	2,365.1	18.4	10.4	4.5
	250-499	2,542.8	14.2	8.6	1
	500 and Over	0.0	0.0	0.0	0
	Total	2,002.5	16.7	9.9	4.3
327211	Flat Glass				
	Value of Shipments and Receipts (million dollars)				
	Under 20	2,211.1	25.5	16.4	1
	20-49	4,080.1	31.7	20.2	1
	50-99	7,109.9	40.7	26.2	1
	100-249	7,155.4	33.7	19.3	1
	250-499	0.0	0.0	0.0	0
	500 and Over	0.0	0.0	0.0	0
	Total	6,783.2	36.9	22.5	1
327213	Glass Containers				
	Value of Shipments and Receipts (million dollars)				
	Under 20	0.0	0.0	0.0	0
	20-49	3,484.3	24.6	15.0	1
	50-99	4,073.0	22.8	14.4	1
	100-249	4,836.7	27.1	16.2	1
	250-499	0.0	0.0	0.0	0
	500 and Over	0.0	0.0	0.0	0
	Total	4,239.0	24.3	15.1	1
327310	Cements				
	Value of Shipments and Receipts (million dollars)				
	Under 20	3,691.1	36.6	Q	45.8
	20-49	24,441.5	124.9	73.7	4
	50-99	23,593.3	87.7	53.0	1
	100-249	34,856.1	89.1	57.8	1
	250-499	0.0	0.0	0.0	0
	500 and Over	0.0	0.0	0.0	0
	Total	24,086.5	95.5	56.0	3.2

Table 6.3 Consumption Ratios of Fuel, 2002;
Level: National Data;
Row: Values of Shipments 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
327410	Lime				
	Value of Shipments and Receipts (million dollars)				
	Under 20	30,521.5	225.4	115.0	1
	20-49	23,515.6	190.7	95.3	1
	50-99	23,780.5	135.8	77.6	1
	100-249	19,647.3	156.7	114.6	1
	250-499	0.0	0.0	0.0	0
	500 and Over	0.0	0.0	0.0	0
	Total	25,007.2	189.6	101.9	1
327993	Mineral Wool				
	Value of Shipments and Receipts (million dollars)				
	Under 20	686.2	11.2	5.6	41.8
	20-49	2,045.6	24.1	12.7	17.7
	50-99	3,195.9	22.7	12.8	1
	100-249	3,838.4	17.2	11.4	1
	250-499	2,943.3	12.6	9.8	1
	500 and Over	0.0	0.0	0.0	0
	Total	2,400.9	18.0	10.8	9
331	PRIMARY METALS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	750.8	10.6	5.7	8.7
	20-49	868.5	9.8	4.3	6.3
	50-99	1,411.2	14.5	5.5	4.6
	100-249	3,254.5	23.5	8.9	3.3
	250-499	5,220.8	34.9	11.7	1.3
	500 and Over	13,451.1	68.6	29.6	2
	Total	4,170.7	34.6	14.2	2.3
331111	Iron and Steel Mills				
	Value of Shipments and Receipts (million dollars)				
	Under 20	2,588.8	26.9	15.3	36.5
	20-49	1,089.1	11.6	4.1	42.3
	50-99	2,596.5	27.2	9.3	23.6
	100-249	5,028.4	33.1	12.6	5.6
	250-499	5,036.6	36.4	9.4	3
	500 and Over	15,829.9	80.8	36.3	2.5
	Total	11,293.6	66.5	27.8	3.6
331112	Electrometallurgical Ferroalloy Products				
	Value of Shipments and Receipts (million dollars)				
	Under 20	8,070.1	66.7	29.7	1
	20-49	2,502.4	19.0	8.5	1
	50-99	16,997.9	272.5	39.1	8.3
	100-249	0.0	0.0	0.0	0
	250-499	1,132.9	7.8	2.7	1
	500 and Over	0.0	0.0	0.0	0

Table 6.3 Consumption Ratios of Fuel, 2002;
Level: National Data;
Row: Values of Shipments 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	5,583.6	46.1	14.3	2.1
3312	Steel Products from Purchased Steel				
	Value of Shipments and Receipts (million dollars)				
	Under 20	457.1	5.9	2.8	20.5
	20-49	687.3	7.4	2.4	11.3
	50-99	631.5	5.4	2.0	10
	100-249	2,463.8	15.2	5.0	8
	250-499	1,103.6	5.4	1.8	1
	500 and Over	0.0	0.0	0.0	0
	Total	871.3	7.4	2.6	5.3
3313	Alumina and Aluminum				
	Value of Shipments and Receipts (million dollars)				
	Under 20	555.7	9.8	4.7	31.9
	20-49	1,182.2	13.6	4.8	19.4
	50-99	1,589.5	19.0	5.5	15.9
	100-249	7,902.3	42.1	13.9	4.8
	250-499	11,594.4	80.0	22.6	1.4
	500 and Over	5,300.0	16.9	7.7	1
	Total	4,496.8	34.3	12.2	5.8
331312	Primary Aluminum				
	Value of Shipments and Receipts (million dollars)				
	Under 20	Q	Q	Q	0
	20-49	0.0	0.0	0.0	0
	50-99	11,687.9	398.0	38.2	1
	100-249	16,482.7	98.9	35.0	1
	250-499	17,603.0	128.6	41.8	1
	500 and Over	12,137.6	63.8	31.0	1
	Total	16,159.7	112.3	38.5	2.3
3314	Nonferrous Metals, except Aluminum				
	Value of Shipments and Receipts (million dollars)				
	Under 20	569.9	6.4	2.8	25
	20-49	1,140.9	12.1	4.5	17.3
	50-99	1,185.7	12.0	3.9	11.3
	100-249	1,753.7	15.0	4.5	11.5
	250-499	2,277.0	13.4	5.2	1
	500 and Over	4,749.9	11.2	2.7	1
	Total	1,373.1	12.0	4.1	7
3315	Foundries				
	Value of Shipments and Receipts (million dollars)				
	Under 20	607.4	9.1	5.5	6.6
	20-49	675.7	8.1	5.0	5.6
	50-99	1,107.8	11.8	6.2	1.6
	100-249	1,114.1	9.6	4.9	2

Table 6.3 Consumption Ratios of Fuel, 2002;
Level: National Data;
Row: Values of Shipments 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
	250-499	1,991.9	15.9	8.6	1
	500 and Over	649.0	29.4	4.1	1
	Total	866.3	10.3	5.6	3
331511	Iron Foundries				
	Value of Shipments and Receipts (million dollars)				
	Under 20	1,093.0	17.3	10.6	8.7
	20-49	813.6	10.6	6.4	8.3
	50-99	1,561.7	15.1	8.2	1
	100-249	1,758.9	14.6	7.2	2.5
	250-499	1,762.0	16.5	9.3	1
	500 and Over	217.1	-25.3	1.7	1
	Total	1,224.5	15.0	7.7	3.6
331521	Aluminum Die-Casting Foundries				
	Value of Shipments and Receipts (million dollars)				
	Under 20	479.5	7.0	3.7	24
	20-49	701.5	7.8	4.5	7
	50-99	1,002.7	10.3	5.1	1
	100-249	789.8	7.5	3.4	1
	250-499	1,921.6	19.8	7.5	1
	500 and Over	1,476.4	18.3	6.9	1
	Total	814.2	9.5	4.7	7
331524	Aluminum Foundries, except Die-Casting				
	Value of Shipments and Receipts (million dollars)				
	Under 20	444.4	6.7	4.5	7
	20-49	614.9	7.2	4.7	15.7
	50-99	754.1	11.0	4.5	1
	100-249	1,097.1	8.8	4.8	1
	250-499	897.2	6.4	3.9	1
	500 and Over	0.0	0.0	0.0	0
	Total	642.8	7.6	4.5	5.2
332	FABRICATED METAL PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	225.4	3.2	1.9	6
	20-49	220.1	2.2	1.2	18.3
	50-99	376.7	3.7	1.9	22.7
	100-249	546.3	3.5	1.4	20
	250-499	719.6	3.8	2.0	29.7
	500 and Over	422.6	5.2	1.6	34
	Total	258.4	3.0	1.7	6.3
333	MACHINERY				
	Value of Shipments and Receipts (million dollars)				
	Under 20	98.4	1.4	0.8	9.3
	20-49	133.4	1.3	0.7	17.6

Table 6.3 Consumption Ratios of Fuel, 2002;
Level: National Data;
Row: Values of Shipments 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
	50-99	181.0	1.8	0.9	19.7
	100-249	190.0	1.6	0.7	18.3
	250-499	232.1	1.3	0.6	19.3
	500 and Over	282.4	1.2	0.5	14.6
	Total	157.5	1.4	0.7	7
334	COMPUTER AND ELECTRONIC PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	162.6	1.9	1.2	12.3
	20-49	98.4	1.2	0.6	17.3
	50-99	100.5	1.0	0.5	24.8
	100-249	180.5	1.4	0.8	15.6
	250-499	137.6	0.9	0.4	29.1
	500 and Over	153.5	0.5	0.3	4.9
	Total	141.1	0.9	0.5	7.3
334413	Semiconductors and Related Devices				
	Value of Shipments and Receipts (million dollars)				
	Under 20	523.4	4.7	3.9	32.6
	20-49	225.6	3.6	1.8	27.9
	50-99	431.7	4.8	3.2	10.3
	100-249	451.3	4.6	1.8	9.5
	250-499	343.2	1.8	1.2	6.6
	500 and Over	400.3	0.7	0.6	2
	Total	387.7	1.3	1.0	4.1
335	ELEC. EQUIP., APPLIANCES, COMPONENTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	178.8	2.5	1.2	17.2
	20-49	207.5	2.3	1.3	16
	50-99	303.3	2.7	1.3	12.6
	100-249	237.9	1.7	0.9	12.7
	250-499	146.1	0.9	0.5	14.3
	500 and Over	223.2	1.7	0.8	1
	Total	211.2	1.9	1.0	6.3
336	TRANSPORTATION EQUIPMENT				
	Value of Shipments and Receipts (million dollars)				
	Under 20	145.7	2.3	1.2	13
	20-49	211.7	2.6	1.3	19.3
	50-99	249.9	2.4	1.2	19.3
	100-249	329.6	2.7	1.3	16.6
	250-499	241.7	2.1	0.7	29.4
	500 and Over	329.3	1.5	0.5	3.3
	Total	278.6	1.8	0.7	4.6
336112	Light Trucks and Utility Vehicles				
	Value of Shipments and Receipts (million dollars)				

Table 6.3 Consumption Ratios of Fuel, 2002;
Level: National Data;
Row: Values of Shipments 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
	Under 20	54.7	0.5	0.1	1
	20-49	219.1	0.0	1.3	1
	50-99	0.0	0.0	0.0	0
	100-249	0.0	0.0	0.0	0
	250-499	691.5	15.1	2.4	1
	500 and Over	616.8	1.5	0.4	1
	Total	618.0	1.5	0.4	1
337	FURNITURE AND RELATED PRODUCTS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	74.1	1.3	0.7	8.7
	20-49	91.0	1.4	0.7	18.6
	50-99	185.7	2.6	1.4	14.3
	100-249	175.2	1.3	0.8	22.3
	250-499	221.4	1.9	1.1	17.9
	500 and Over	263.3	2.1	1.2	1
	Total	113.7	1.6	0.9	7
339	MISCELLANEOUS				
	Value of Shipments and Receipts (million dollars)				
	Under 20	67.3	1.1	0.7	9.7
	20-49	119.2	1.2	0.7	20.6
	50-99	179.6	1.3	0.8	19.6
	100-249	113.4	0.7	0.4	13.7
	250-499	143.2	0.6	0.4	16
	500 and Over	95.5	0.3	0.2	9.5
	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) Value of Shipments and Receipts 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.'