

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
20-39	ALL INDUSTRY GROUPS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	244.3	5.4	2.8	W	13.2	6.2
	20-49	531.0	8.3	3.7	0.6	10.3	6.3
	50-99	702.8	9.2	4.2	4.6	12.3	5.0
	100-249	1,365.5	13.0	6.1	16.4	10.0	4.4
	250-499	2,680.8	20.3	9.4	24.5	12.8	3.9
	500 and Over	2,702.9	16.5	7.1	31.0	6.8	2.8
	Total	979.6	12.0	5.5	19.1	10.0	2.2
20	FOOD and KINDRED PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	445.3	8.8	3.2	0.0	12.3	11.1
	20-49	445.5	6.2	2.0	0.1	14.5	12.7
	50-99	618.8	6.9	2.5	0.0	9.3	7.5
	100-249	802.6	5.6	2.2	*	W	14.8
	250-499	1,480.5	6.9	2.9	0.2	W	8.6
	500 and Over	1,187.6	5.3	2.2	0.8	W	9.4
	Total	704.0	6.3	2.4	W	8.7	6.1
2011	Meat Packing Plants						
	Value of Shipments and Receipts (million dollars)						
	Under 20	212.0	6.7	1.6	0.0	18.7	14.0
	20-49	350.4	8.6	1.2	0.0	W	12.6
	50-99	340.7	7.6	1.2	0.0	W	6.7
	100-249	467.8	8.3	1.0	0.0	3.1	6.9
	250-499	478.3	8.4	1.1	1.4	12.0	6.1
	500 and Over	438.1	8.2	0.9	W	5.7	7.0
	Total	418.5	8.1	1.0	W	7.9	4.8
2033	Canned Fruits and Vegetables						
	Value of Shipments and Receipts (million dollars)						
	Under 20	689.1	11.1	4.2	0.0	7.2	19.9
	20-49	655.0	10.1	3.8	0.0	4.1	10.1
	50-99	552.3	5.7	2.5	0.0	9.9	8.3
	100-249	792.9	5.5	2.6	0.0	8.1	6.7
	250-499	W	W	W	0.0	W	11.0
	500 and Over	W	W	W	0.0	W	2.7
	Total	702.5	6.7	2.9	0.0	7.1	5.9
2037	Frozen Fruits and Vegetables						
	Value of Shipments and Receipts (million dollars)						
	Under 20	439.8	9.7	4.3	0.0	Q	29.1
	20-49	506.9	7.8	3.3	0.0	8.0	21.1
	50-99	854.9	15.0	5.3	0.0	14.8	8.5
	100-249	1,179.9	14.9	5.6	0.6	3.3	10.3
	250-499	881.3	10.8	2.7	0.0	1.0	4.2
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	795.3	12.8	4.9	0.2	9.6	11.7

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
2046	Wet Corn Milling						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	W	11.5
	20-49	W	W	W	0.0	W	21.7
	50-99	W	W	W	0.0	W	5.0
	100-249	11,854.7	43.0	18.7	0.0	0.1	6.1
	250-499	12,325.9	37.9	19.3	W	0.8	8.7
	500 and Over	W	W	W	0.0	W	8.9
	Total	15,301.7	43.0	20.2	W	0.7	7.1
2051	Bread, Cake, and Related Products						
	Value of Shipments and Receipts (million dollars)						
	Under 20	233.7	5.3	2.9	0.0	3.1	12.8
	20-49	244.6	3.5	2.1	0.0	3.3	6.9
	50-99	239.3	2.5	1.6	0.0	2.4	6.1
	100-249	208.1	1.7	1.2	0.0	4.5	5.7
	250-499	W	W	W	0.0	W	2.5
	500 and Over	W	W	W	0.0	W	3.2
	Total	230.7	3.2	2.0	0.0	3.3	5.5
2063	Beet Sugar						
	Value of Shipments and Receipts (million dollars)						
	Under 20	0.0	0.0	0.0	0.0	0.0	NF
	20-49	8,096.2	98.9	33.2	0.0	W	4.9
	50-99	8,962.3	81.7	27.2	0.0	3.2	3.7
	100-249	9,350.4	77.7	28.7	0.0	W	4.5
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	8,855.0	83.7	28.7	0.0	W	3.1
2075	Soybean Oil Mills						
	Value of Shipments and Receipts (million dollars)						
	Under 20	2,560.1	41.8	9.7	0.0	*	26.2
	20-49	2,781.1	13.3	4.9	0.0	0.0	4.8
	50-99	W	W	W	0.0	W	2.9
	100-249	7,894.3	48.6	4.7	0.0	W	2.5
	250-499	8,593.2	44.3	5.1	0.0	W	3.2
	500 and Over	W	W	W	W	W	0.9
	Total	7,865.1	42.6	5.1	W	1.8	2.7
2082	Malt Beverages						
	Value of Shipments and Receipts (million dollars)						
	Under 20	461.5	7.2	3.0	0.0	0.0	16.4
	20-49	W	W	W	0.0	0.0	18.4
	50-99	1,281.0	8.5	3.9	0.0	W	7.3
	100-249	1,267.0	8.9	3.5	0.0	W	5.2
	250-499	1,407.6	4.7	2.5	0.0	W	5.6
	500 and Over	1,627.0	5.0	3.0	W	W	6.5
	Total	1,511.2	5.3	3.0	W	13.0	6.3

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
21	TOBACCO PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	226.2	4.0	2.3	0.0	W	19.6
	20-49	696.6	7.4	3.8	0.0	2.0	29.8
	50-99	347.3	2.7	1.2	0.0	W	13.0
	100-249	W	W	W	0.0	W	4.9
	250-499	W	W	W	0.0	W	3.3
	500 and Over	538.1	0.6	0.5	0.0	W	3.4
	Total	629.2	1.0	0.8	0.0	26.1	5.8
22	TEXTILE MILL PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	283.4	8.7	4.1	0.0	22.9	13.0
	20-49	454.8	11.3	4.8	0.0	24.6	5.3
	50-99	559.6	11.3	4.4	0.0	13.3	5.0
	100-249	W	W	W	0.0	W	5.7
	250-499	853.2	14.8	5.5	0.0	7.3	14.2
	500 and Over	W	W	W	0.0	W	7.9
	Total	459.4	10.6	4.3	0.0	17.2	4.7
23	APPAREL and OTHER TEXTILE PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	39.3	1.6	0.9	0.0	Q	12.5
	20-49	47.7	1.2	0.6	0.0	7.5	16.8
	50-99	80.7	1.3	0.6	0.0	4.3	17.9
	100-249	125.2	1.6	0.7	0.0	30.8	30.2
	250-499	73.8	0.6	0.3	0.0	86.9	21.7
	500 and Over	331.8	Q	Q	0.0	3.5	12.2
	Total	49.7	1.4	0.7	0.0	14.6	11.5
24	LUMBER and WOOD PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	465.2	13.8	5.3	0.0	39.5	17.4
	20-49	1,428.1	23.4	8.7	0.0	34.8	15.5
	50-99	1,243.6	23.5	9.0	0.0	50.2	22.7
	100-249	1,235.0	21.9	6.5	0.0	43.9	25.5
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	284.3	2.3	1.0	0.0	5.0	6.4
	Total	791.0	18.2	6.8	0.0	39.2	10.6
25	FURNITURE and FIXTURES						
	Value of Shipments and Receipts (million dollars)						
	Under 20	165.7	4.1	2.0	0.0	19.1	33.1
	20-49	139.2	3.2	1.6	0.0	11.5	14.7
	50-99	173.8	3.9	2.0	0.0	1.7	16.9
	100-249	149.3	2.1	1.0	0.0	8.0	18.5
	250-499	96.0	1.1	0.6	0.0	3.0	16.5
	500 and Over	277.2	3.7	2.4	0.0	1.2	3.0
	Total	159.0	3.5	1.8	0.0	11.3	17.2

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
26	PAPER and ALLIED PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	443.6	8.4	3.7	0.0	22.2	13.2
	20-49	679.8	9.9	3.8	0.0	19.8	9.3
	50-99	2,927.4	33.0	14.2	17.0	20.2	10.9
	100-249	9,468.0	75.2	35.0	38.2	33.8	4.3
	250-499	12,181.4	79.3	39.5	41.3	W	3.4
	500 and Over	5,900.1	21.0	12.7	32.8	W	5.9
	Total	4,234.5	43.9	20.1	34.7	30.2	3.6
2611	Pulp Mills						
	Value of Shipments and Receipts (million dollars)						
	Under 20	0.0	0.0	0.0	0.0	0.0	NF
	20-49	4,725.7	25.5	10.8	0.0	1.9	23.2
	50-99	15,957.9	172.7	54.3	62.7	50.6	9.6
	100-249	21,823.3	140.5	63.0	58.3	85.8	5.5
	250-499	21,254.2	108.9	58.8	61.0	158.9	5.6
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	20,034.8	127.0	58.0	59.3	89.9	4.6
2621	Paper Mills						
	Value of Shipments and Receipts (million dollars)						
	Under 20	3,489.0	46.4	19.3	0.0	W	14.3
	20-49	2,818.2	32.9	14.5	0.0	84.6	8.3
	50-99	5,691.5	56.5	24.3	10.0	W	6.2
	100-249	8,669.1	71.9	32.8	22.0	28.8	2.4
	250-499	11,994.8	95.6	45.2	36.4	W	2.0
	500 and Over	11,611.3	73.4	41.7	40.3	W	2.4
	Total	9,433.1	78.7	36.7	29.4	W	2.3
2631	Paperboard Mills						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	W	13.0
	20-49	6,641.8	57.8	30.4	0.0	17.3	5.6
	50-99	11,172.7	76.8	39.7	5.7	W	5.4
	100-249	21,884.3	152.9	68.8	48.4	29.6	3.6
	250-499	23,318.1	129.3	62.7	45.7	W	2.7
	500 and Over	W	W	W	W	W	NF
	Total	17,291.7	116.8	56.6	39.1	W	2.9
27	PRINTING and PUBLISHING						
	Value of Shipments and Receipts (million dollars)						
	Under 20	60.8	1.3	0.8	0.0	1.8	13.7
	20-49	100.6	1.4	0.9	0.0	6.8	14.1
	50-99	108.3	1.1	0.7	0.0	Q	25.5
	100-249	139.4	1.5	1.0	0.8	7.0	15.5
	250-499	68.4	0.5	0.4	0.0	W	19.0
	500 and Over	53.0	0.5	0.4	0.0	W	12.3
	Total	82.6	1.2	0.8	0.1	4.4	11.6

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
28	CHEMICALS and ALLIED PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	1,100.1	11.5	5.3	W	6.3	15.7
	20-49	3,454.2	26.6	11.4	1.2	W	18.1
	50-99	3,568.4	25.2	11.4	1.8	7.7	12.9
	100-249	4,064.3	22.2	11.3	4.4	W	9.9
	250-499	5,815.1	27.5	13.9	6.4	4.4	8.7
	500 and Over	5,670.1	17.9	11.0	19.2	1.9	6.5
	Total	4,205.7	21.0	11.1	9.9	3.6	5.0
2812	Alkalies and Chlorine						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	0.0	8.6
	20-49	20,003.5	157.6	57.9	0.0	W	15.6
	50-99	17,223.2	88.1	41.6	0.0	W	7.8
	100-249	W	W	W	0.0	W	9.7
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	W	W	W	0.0	W	2.5
	Total	26,321.3	129.0	66.0	0.0	W	5.9
2813	Industrial Gases						
	Value of Shipments and Receipts (million dollars)						
	Under 20	5,310.2	39.4	24.5	0.0	Q	11.1
	20-49	24,315.7	44.5	30.9	0.0	0.0	5.2
	50-99	26,119.6	87.6	48.9	W	0.0	8.7
	100-249	55,761.1	68.9	51.3	0.0	W	6.5
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	11,072.8	51.0	33.1	W	0.2	14.8
2819	Industrial Inorganic Chemicals, nec						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	*	W	15.2
	20-49	4,349.5	32.5	14.8	W	W	7.2
	50-99	3,334.4	24.3	12.3	0.0	W	6.1
	100-249	8,143.2	41.9	23.5	W	W	8.6
	250-499	9,827.6	67.2	36.4	W	0.9	9.6
	500 and Over	W	W	W	0.0	W	15.5
	Total	4,144.4	30.4	18.5	1.2	5.0	7.0
2821	Plastics Materials and Resins						
	Value of Shipments and Receipts (million dollars)						
	Under 20	1,066.4	12.8	4.6	0.0	Q	18.4
	20-49	1,626.2	12.5	4.0	W	W	9.1
	50-99	2,409.7	15.1	5.9	W	11.0	8.7
	100-249	4,328.1	25.7	7.8	W	9.6	4.8
	250-499	8,577.3	41.4	15.5	8.2	W	5.8
	500 and Over	6,497.1	23.0	11.0	W	W	6.5
	Total	4,797.3	26.0	9.8	6.8	3.7	4.6

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
2822	Synthetic Rubber						
	Value of Shipments and Receipts (million dollars)						
	Under 20	1,518.9	26.0	6.2	0.0	*	20.4
	20-49	1,682.0	15.3	5.7	0.0	W	12.1
	50-99	4,090.2	26.9	10.8	0.0	W	7.6
	100-249	3,320.8	27.9	12.5	0.0	W	7.0
	250-499	18,099.4	85.7	41.6	0.0	W	15.9
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	10,047.4	60.5	27.3	0.0	1.2	13.4
2823	Cellulosic Manmade Fibers						
	Value of Shipments and Receipts (million dollars)						
	Under 20	341.1	5.7	1.6	0.0	0.0	23.4
	20-49	0.0	0.0	0.0	0.0	0.0	NF
	50-99	2,362.4	82.7	49.2	0.0	79.5	4.0
	100-249	5,319.5	W	69.9	0.0	W	4.0
	250-499	5,110.1	40.4	25.4	0.0	1.3	2.2
	500 and Over	1,211.4	17.3	7.8	0.0	14.9	5.7
	Total	2,869.3	44.4	20.8	0.0	W	16.2
2824	Organic Fibers, Noncellulosic						
	Value of Shipments and Receipts (million dollars)						
	Under 20	475.3	Q	3.9	0.0	Q	44.3
	20-49	563.1	9.8	5.5	0.0	W	2.8
	50-99	1,172.8	13.6	5.8	0.0	W	3.1
	100-249	W	W	W	0.0	W	2.6
	250-499	2,547.8	23.2	10.8	0.0	8.0	2.6
	500 and Over	W	W	W	W	W	3.2
	Total	2,143.3	16.2	9.0	1.0	W	3.4
2865	Cyclic Crudes and Intermediates						
	Value of Shipments and Receipts (million dollars)						
	Under 20	1,453.7	12.7	5.7	W	Q	29.9
	20-49	W	W	W	0.0	W	9.9
	50-99	3,680.9	27.9	11.5	W	W	8.6
	100-249	3,510.1	28.3	10.3	0.0	16.8	8.0
	250-499	16,280.6	51.9	17.2	W	W	8.8
	500 and Over	W	W	W	W	W	8.9
	Total	7,348.4	43.9	15.6	W	9.3	7.4
2869	Industrial Organic Chemicals, nec						
	Value of Shipments and Receipts (million dollars)						
	Under 20	2,489.9	27.3	12.2	W	9.3	20.0
	20-49	4,414.5	28.2	13.1	W	Q	42.5
	50-99	3,143.9	17.2	7.3	W	14.4	4.6
	100-249	9,356.0	44.5	20.0	14.0	W	4.2
	250-499	10,590.6	48.2	19.7	17.9	W	5.3
	500 and Over	19,805.2	65.5	27.8	24.6	W	3.6
	Total	11,886.6	52.2	22.3	20.9	2.1	4.1

See footnotes at end of table.

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RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
2873	Nitrogenous Fertilizers						
	Value of Shipments and Receipts (million dollars)						
	Under 20	973.9	12.0	3.9	0.0	Q	29.0
	20-49	39,593.0	255.7	98.2	1.1	0.1	23.9
	50-99	43,614.8	209.7	89.9	0.6	*	17.3
	100-249	59,577.3	283.6	102.3	0.7	*	21.4
	250-499	124,935.2	207.7	109.2	0.0	*	4.8
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	43,985.2	229.2	91.0	0.7	0.1	12.6
2874	Phosphatic Fertilizers						
	Value of Shipments and Receipts (million dollars)						
	Under 20	1,525.6	22.6	7.9	0.0	13.4	14.4
	20-49	W	W	W	0.0	W	1.6
	50-99	2,917.1	46.6	7.2	0.0	Q	19.2
	100-249	W	W	W	0.0	W	3.2
	250-499	4,534.3	30.2	9.5	0.0	W	2.7
	500 and Over	W	W	W	0.0	W	2.2
	Total	3,396.7	25.4	7.0	0.0	12.9	5.5
29	PETROLEUM and COAL PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	3,078.8	32.6	11.5	W	W	17.8
	20-49	1,820.8	16.7	4.5	W	53.7	29.8
	50-99	5,470.8	37.4	10.4	5.3	W	16.1
	100-249	14,572.2	63.6	13.0	37.2	W	7.7
	250-499	30,983.5	135.7	17.6	55.1	W	1.6
	500 and Over	42,403.1	148.9	20.3	43.7	W	1.4
	Total	25,608.9	120.5	18.6	42.8	12.9	3.1
2911	Petroleum Refining						
	Value of Shipments and Receipts (million dollars)						
	Under 20	26,582.5	647.7	98.8	W	W	16.7
	20-49	28,571.9	129.7	28.5	W	158.3	24.5
	50-99	7,731.8	57.2	9.2	19.9	W	3.1
	100-249	20,313.9	107.7	17.5	37.8	W	2.3
	250-499	30,983.5	135.7	17.6	55.1	W	1.6
	500 and Over	42,403.1	148.9	20.3	43.7	W	1.4
	Total	39,377.8	146.0	20.0	44.1	9.3	1.4
30	RUBBER and MISC. PLASTICS PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	204.6	4.2	2.1	0.0	6.3	8.5
	20-49	286.4	4.3	2.1	0.1	14.6	12.0
	50-99	321.8	5.0	2.4	*	W	12.6
	100-249	679.6	7.4	3.8	W	W	9.5
	250-499	W	W	W	W	W	4.2
	500 and Over	W	W	W	0.0	W	1.7
	Total	294.2	4.8	2.4	0.1	11.3	6.6

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
3011	Tires and Inner Tubes						
	Value of Shipments and Receipts (million dollars)						
	Under 20	322.3	Q	3.8	0.0	0.0	42.5
	20-49	571.7	10.8	5.4	0.0	W	7.0
	50-99	W	W	W	0.0	W	2.9
	100-249	671.0	8.4	4.4	0.0	W	2.6
	250-499	662.6	6.0	3.4	W	W	3.0
	500 and Over	W	W	W	0.0	W	1.7
	Total	658.3	6.4	3.6	W	16.9	3.1
308	Miscellaneous Plastic Products, nec						
	Value of Shipments and Receipts (million dollars)						
	Under 20	185.5	3.8	1.9	0.0	4.7	9.9
	20-49	274.9	4.0	1.9	W	12.2	15.2
	50-99	304.3	4.7	2.2	*	W	17.0
	100-249	817.3	7.5	4.0	W	W	13.9
	250-499	238.3	2.1	1.4	0.0	0.5	13.3
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	252.5	4.3	2.1	0.1	W	9.0
31	LEATHER and LEATHER PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	93.8	3.1	1.5	0.0	Q	35.8
	20-49	130.3	3.0	1.5	0.0	19.0	22.6
	50-99	212.6	3.0	1.2	0.0	264.7	23.6
	100-249	209.1	2.8	1.1	0.0	108.9	17.3
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	125.5	3.0	1.4	0.0	51.7	17.4
32	STONE, CLAY and GLASS PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	981.2	18.6	9.7	0.0	15.7	15.9
	20-49	4,818.1	62.8	33.3	W	5.7	11.9
	50-99	2,993.4	33.9	19.4	0.0	W	4.8
	100-249	2,042.8	21.4	12.7	0.0	0.5	4.0
	250-499	W	W	W	0.0	W	11.9
	500 and Over	W	W	W	0.0	W	2.6
	Total	2,051.2	30.5	16.6	W	7.3	9.0
3211	Flat Glass						
	Value of Shipments and Receipts (million dollars)						
	Under 20	723.9	18.0	7.2	0.0	0.0	9.1
	20-49	4,269.9	54.1	31.7	0.0	0.1	2.2
	50-99	4,470.3	42.0	25.5	0.0	W	3.4
	100-249	3,605.3	34.8	21.1	0.0	W	2.5
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	3,934.5	40.1	24.0	0.0	W	2.5

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
3221	Glass Containers						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	0.0	5.9
	20-49	W	W	W	0.0	*	3.4
	50-99	2,709.3	32.3	17.6	0.0	W	3.0
	100-249	W	W	W	0.0	W	5.7
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	2,549.9	32.6	17.8	0.0	2.7	2.8
3229	Pressed and Blown Glass, nec.						
	Value of Shipments and Receipts (million dollars)						
	Under 20	632.6	14.3	8.7	0.0	Q	33.9
	20-49	1,685.7	19.2	13.7	0.0	W	5.4
	50-99	W	W	W	0.0	W	3.5
	100-249	2,152.3	26.3	16.1	0.0	0.7	3.4
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	W	W	W	0.0	W	6.0
3241	Cement, Hydraulic						
	Value of Shipments and Receipts (million dollars)						
	Under 20	11,578.2	146.0	74.3	0.0	3.7	19.7
	20-49	20,365.2	181.5	89.8	0.0	W	6.3
	50-99	27,077.4	139.5	83.4	0.0	W	5.7
	100-249	0.0	0.0	0.0	0.0	0.0	NF
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	20,082.6	169.3	87.2	0.0	11.3	5.6
3274	Lime						
	Value of Shipments and Receipts (million dollars)						
	Under 20	16,353.3	231.6	115.3	0.0	W	13.5
	20-49	W	W	W	0.0	37.8	8.4
	50-99	W	W	W	0.0	W	18.4
	100-249	0.0	0.0	0.0	0.0	0.0	NF
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	17,432.6	228.7	119.3	0.0	W	10.0
3296	Mineral Wool						
	Value of Shipments and Receipts (million dollars)						
	Under 20	2,533.0	34.5	19.4	0.0	0.4	5.9
	20-49	2,409.6	30.1	15.7	0.0	W	1.1
	50-99	2,661.5	28.5	16.2	0.0	W	1.1
	100-249	W	W	W	0.0	W	1.3
	250-499	W	W	W	0.0	W	1.4
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	2,619.8	26.3	15.5	0.0	W	1.5

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
33	PRIMARY METAL INDUSTRIES						
	Value of Shipments and Receipts (million dollars)						
	Under 20	581.3	12.8	5.9	*	W	13.6
	20-49	983.3	16.7	6.1	W	W	11.5
	50-99	1,636.5	23.5	7.9	13.5	2.4	8.7
	100-249	3,531.5	48.2	14.3	5.6	1.8	7.0
	250-499	5,155.5	63.1	19.8	12.2	3.3	4.4
	500 and Over	10,264.8	99.2	34.2	27.8	12.1	3.1
	Total	3,526.9	50.5	17.6	18.7	6.4	3.7
3312	Blast Furnaces and Steel Mills						
	Value of Shipments and Receipts (million dollars)						
	Under 20	771.2	12.1	5.0	0.0	W	33.2
	20-49	4,659.3	78.9	27.0	W	W	13.9
	50-99	5,641.4	76.1	23.2	35.1	W	5.8
	100-249	4,609.2	74.6	20.9	13.8	W	4.0
	250-499	6,306.0	85.0	27.0	21.8	W	4.2
	500 and Over	11,909.7	125.6	49.7	29.8	W	2.6
	Total	8,953.8	108.1	38.6	27.2	9.2	2.3
3313	Electrometallurgical Products						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	W	7.2
	20-49	7,149.9	120.5	32.6	0.0	17.5	5.8
	50-99	W	W	W	0.0	W	6.3
	100-249	W	W	W	0.0	W	12.2
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	8,194.4	104.2	37.4	0.0	9.9	6.2
3321	Gray and Ductile Iron Foundries						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	Q	9.4
	20-49	959.7	18.8	10.1	0.0	W	4.8
	50-99	1,313.5	20.4	10.5	0.0	2.7	4.0
	100-249	1,217.1	25.1	12.8	0.0	W	6.5
	250-499	W	W	W	0.0	W	4.8
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	1,033.2	20.4	10.6	0.0	3.0	5.3
3331	Primary Copper						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	W	NF
	20-49	0.0	0.0	0.0	0.0	0.0	NF
	50-99	W	W	W	0.0	W	NF
	100-249	W	W	W	0.0	W	NF
	250-499	5,121.3	17.1	6.8	W	W	1.0
	500 and Over	W	W	W	0.0	W	NF
	Total	4,840.7	22.9	5.5	W	W	1.0

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
3334	Primary Aluminum						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	Q	W	0.0	0.0	3.6
	20-49	W	W	W	0.0	0.0	2.0
	50-99	0.0	0.0	0.0	0.0	0.0	NF
	100-249	12,787.4	162.2	46.1	0.0	1.5	1.5
	250-499	W	W	W	0.0	W	1.6
	500 and Over	W	W	W	0.0	W	2.1
	Total	12,816.0	155.0	41.1	0.0	3.5	1.5
3339	Primary Nonferrous Metals, nec						
	Value of Shipments and Receipts (million dollars)						
	Under 20	W	W	W	0.0	4.5	9.6
	20-49	2,723.8	25.9	10.8	0.0	W	9.7
	50-99	5,860.1	82.5	25.5	0.0	2.9	NF
	100-249	4,523.3	61.4	17.2	W	1.2	NF
	250-499	0.0	0.0	0.0	0.0	0.0	NF
	500 and Over	W	W	W	0.0	W	NF
	Total	4,239.7	45.6	12.0	W	1.9	2.6
3353	Aluminum Sheet, Plate, and Foil						
	Value of Shipments and Receipts (million dollars)						
	Under 20	Q	Q	Q	0.0	0.0	NF
	20-49	1,112.6	35.2	5.7	0.0	2.2	NF
	50-99	1,907.7	20.4	5.4	0.0	0.7	NF
	100-249	2,920.7	44.7	7.4	0.0	0.3	NF
	250-499	2,471.5	33.2	7.1	0.0	W	NF
	500 and Over	2,554.3	19.0	4.9	0.0	W	NF
	Total	2,450.2	23.8	5.7	0.0	0.9	2.2
34	FABRICATED METAL PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	175.8	3.8	2.0	0.0	7.7	9.0
	20-49	252.1	3.9	1.8	0.0	2.7	8.6
	50-99	323.2	4.5	2.1	0.0	2.0	10.6
	100-249	459.3	5.5	2.5	0.0	W	8.8
	250-499	293.1	4.3	1.8	0.0	6.1	10.6
	500 and Over	259.0	2.2	1.4	0.0	W	11.3
	Total	236.6	4.1	2.0	0.0	5.1	5.4
35	INDUSTRIAL MACHINERY and EQUIPMENT						
	Value of Shipments and Receipts (million dollars)						
	Under 20	97.3	1.9	1.1	0.0	5.5	9.3
	20-49	134.7	2.1	1.1	0.0	W	12.7
	50-99	173.6	2.6	1.2	0.0	6.6	11.8
	100-249	193.9	2.4	1.1	0.0	9.3	8.2
	250-499	254.3	2.4	1.0	0.0	9.0	8.1
	500 and Over	201.9	1.5	0.7	0.0	W	8.3
	Total	143.4	2.0	1.0	0.0	6.7	5.1

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
357	Computer and Office Equipment						
	Value of Shipments and Receipts (million dollars)						
	Under 20	77.0	1.5	0.8	0.0	11.1	18.5
	20-49	78.9	1.0	0.6	0.0	Q	26.9
	50-99	87.7	1.4	0.6	0.0	1.3	11.5
	100-249	82.6	1.1	0.5	0.0	1.0	12.6
	250-499	128.5	0.8	0.3	0.0	4.2	11.4
	500 and Over	86.0	0.6	0.3	0.0	2.3	10.9
	Total	86.2	0.8	0.4	0.0	2.9	7.8
36	ELECTRONIC and OTHER ELECTRIC EQUIPMENT						
	Value of Shipments and Receipts (million dollars)						
	Under 20	93.3	1.9	1.1	0.0	3.2	18.2
	20-49	128.4	2.1	1.0	0.0	8.2	17.8
	50-99	198.4	2.6	1.4	0.0	7.7	9.8
	100-249	197.2	1.9	1.1	0.0	6.5	10.6
	250-499	194.4	1.8	0.9	0.0	2.7	9.9
	500 and Over	208.9	1.6	0.8	0.0	20.7	8.5
	Total	158.9	1.9	1.0	0.0	8.0	6.3
37	TRANSPORTATION EQUIPMENT						
	Value of Shipments and Receipts (million dollars)						
	Under 20	122.9	2.6	1.2	0.0	9.0	15.5
	20-49	181.8	3.3	1.4	0.0	W	13.8
	50-99	204.0	3.2	1.5	W	W	11.6
	100-249	213.2	2.6	1.2	0.0	W	7.4
	250-499	242.6	2.9	1.3	0.0	4.0	4.6
	500 and Over	245.1	2.1	0.8	W	20.7	4.0
	Total	222.9	2.3	1.0	W	14.2	3.7
3711	Motor Vehicles and Car Bodies						
	Value of Shipments and Receipts (million dollars)						
	Under 20	54.7	1.2	0.5	0.0	W	13.0
	20-49	134.0	2.8	0.8	0.0	16.9	5.0
	50-99	199.3	8.8	0.7	0.0	W	4.1
	100-249	134.3	1.3	0.4	0.0	W	3.7
	250-499	166.4	2.4	0.5	0.0	9.4	3.0
	500 and Over	523.7	2.3	0.8	W	6.3	3.2
	Total	494.0	2.3	0.8	W	6.5	3.1
3714	Motor Vehicle Parts and Accessories						
	Value of Shipments and Receipts (million dollars)						
	Under 20	180.5	3.8	1.7	0.0	0.8	18.0
	20-49	220.3	4.1	1.6	0.0	W	18.1
	50-99	276.9	4.5	1.9	W	0.6	11.6
	100-249	354.3	4.0	1.7	0.0	0.3	7.0
	250-499	380.8	4.5	1.9	0.0	W	5.7
	500 and Over	365.2	4.7	1.7	0.0	W	4.1
	Total	311.2	4.4	1.8	W	2.4	5.9

See footnotes at end of table.

Table A50. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group, Selected Industries, and Economic Characteristics of the Establishment, 1991 (Continued)

SIC Code ^a	Economic Characteristics ^b	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts ^c as a Percent of Consumption (percent)	Fuel Oil ^d as a Percent of Natural Gas (percent)	RSE Row Factors
RSE Column Factors:		0.8	0.8	0.8	1.3	1.7	
38	INSTRUMENTS and RELATED PRODUCTS						
	Value of Shipments and Receipts (million dollars)						
	Under 20	60.7	1.0	0.7	0.0	W	22.1
	20-49	66.3	1.0	0.6	0.0	W	17.3
	50-99	87.8	1.2	0.7	0.0	23.7	13.7
	100-249	103.6	1.1	0.7	0.0	W	10.3
	250-499	128.3	1.0	0.7	0.0	W	11.4
	500 and Over	220.9	1.6	1.1	0.0	W	15.1
	Total	116.5	1.2	0.8	0.0	W	8.4
3841	Surgical and Medical Instruments						
	Value of Shipments and Receipts (million dollars)						
	Under 20	64.6	1.2	0.7	0.0	20.0	16.8
	20-49	83.1	1.3	0.8	0.0	19.6	8.9
	50-99	77.7	1.0	0.7	0.0	8.6	9.5
	100-249	80.4	0.7	0.5	0.0	7.3	14.0
	250-499	155.8	0.4	0.4	0.0	0.0	17.1
	500 and Over	56.0	0.2	0.2	0.0	0.0	9.2
	Total	77.0	0.9	0.6	0.0	12.8	7.3
39	MISC. MANUFACTURING INDUSTRIES						
	Value of Shipments and Receipts (million dollars)						
	Under 20	70.6	1.7	0.9	0.0	W	11.8
	20-49	118.7	1.8	1.0	0.0	W	17.2
	50-99	206.6	2.3	1.2	0.0	W	13.4
	100-249	159.0	1.5	0.8	0.0	14.0	12.2
	250-499	282.9	2.3	1.4	0.0	6.3	17.7
	500 and Over	0.0	0.0	0.0	0.0	0.0	NF
	Total	108.3	1.8	1.0	0.0	W	7.7

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b Value of Shipments and Receipts were supplied by the Bureau of the Census. See Appendix B.

^c "Major Byproduct" fuels include coke oven gas and blast furnace gas (produced primarily in the blast furnace industry, SIC 3312); still gas (produced primarily in petroleum refineries, SIC 2911); and pulping liquor (produced primarily in pulp and paper mills, SIC 2611 and 2621).

^d "Fuel Oil" includes distillate and residual fuel oils.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5. Data are included in higher level totals.

W=Withheld to avoid disclosing data for individual establishments. Data are included in higher level totals.

Notes: • To obtain a 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 input energy estimates reported in Table A4.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1991 Manufacturing Energy Consumption Survey," and Bureau of the Census, Industry Division, data files for the "1991 Annual Survey of Manufactures."