

Table 6.1 Consumption Ratios of Fuel, 2010;**Level: National and Regional Data;****Row: NAICS Codes; Column: Energy-Consumption Ratios;****Unit: Varies.**

NAICS Code(a)	Subsector and Industry	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				
311	Food	871.7	4.3	1.8
3112	Grain and Oilseed Milling	6,239.5	10.5	3.6
311221	Wet Corn Milling	28,965.0	27.1	12.6
31131	Sugar Manufacturing	7,755.9	32.6	13.4
3114	Fruit and Vegetable Preserving and Specialty Foods	861.3	4.8	2.2
3115	Dairy Products	854.8	3.5	1.1
3116	Animal Slaughtering and Processing	442.9	3.5	1.2
312	Beverage and Tobacco Products	652.7	1.1	0.7
3121	Beverages	645.7	1.7	0.9
3122	Tobacco	714.9	0.3	0.2
313	Textile Mills	847.0	7.1	3.3
314	Textile Product Mills	224.1	2.4	1.2
315	Apparel	78.9	0.9	0.5
316	Leather and Allied Products	77.3	1.0	0.4
321	Wood Products	1,508.3	16.3	6.9
321113	Sawmills	3,633.2	35.9	14.4
3212	Veneer, Plywood, and Engineered Woods	3,320.6	32.6	12.9
321219	Reconstituted Wood Products	5,999.2	39.8	15.9
3219	Other Wood Products	260.0	3.1	1.4
322	Paper	6,021.8	26.4	12.1
322110	Pulp Mills	38,433.9	148.6	60.8
322121	Paper Mills, except Newsprint	12,886.3	34.1	18.4
322122	Newsprint Mills	18,286.1	71.0	27.5
322130	Paperboard Mills	24,767.1	62.7	31.3
323	Printing and Related Support	207.2	1.9	1.1
324	Petroleum and Coal Products	34,542.7	35.1	5.3
324110	Petroleum Refineries	50,778.2	39.5	5.4
324121	Asphalt Paving Mixture and Block	4,824.5	11.4	4.3
324199	Other Petroleum and Coal Products	20,463.3	44.0	14.5
325	Chemicals	5,007.7	7.3	3.9
325110	Petrochemicals	66,746.2	16.9	7.3
325120	Industrial Gases	12,315.8	24.3	15.3
325181	Alkalies and Chlorine	W	W	W
325182	Carbon Black	W	W	W
325188	Other Basic Inorganic Chemicals	6,266.7	12.8	8.5
325192	Cyclic Crudes and Intermediates	17,409.4	15.6	8.5
325193	Ethyl Alcohol	40,003.6	57.9	15.6
325199	Other Basic Organic Chemicals	10,450.3	Q	Q
325211	Plastics Materials and Resins	8,582.5	17.3	6.2
325212	Synthetic Rubber	3,676.8	12.9	4.5
325222	Noncellulosic Organic Fibers	3,295.1	20.4	6.5
325311	Nitrogenous Fertilizers	44,495.9	49.0	26.5
325312	Phosphatic Fertilizers	5,867.2	12.0	4.0
3254	Pharmaceuticals and Medicines	407.6	0.7	0.5
325412	Pharmaceutical Preparation	368.9	0.5	0.3
325992	Photographic Film, Paper, Plate, and Chemicals	1,476.9	4.0	2.3
326	Plastics and Rubber Products	417.2	3.2	1.6
327	Nonmetallic Mineral Products	2,220.3	15.7	8.3
327121	Brick and Structural Clay Tile	2,790.2	25.5	17.8
327211	Flat Glass	5,875.3	33.1	17.2
327212	Other Pressed and Blown Glass and Glassware	2,511.0	17.2	10.2
327213	Glass Containers	4,379.5	20.2	12.2
327215	Glass Products from Purchased Glass	369.0	2.9	1.6
327310	Cements	18,282.5	83.3	43.3
327410	Lime	22,456.3	84.1	48.1
327420	Gypsum	5,873.3	39.5	15.3
327993	Mineral Wool	2,520.2	15.2	8.5
331	Primary Metals	4,984.1	18.3	6.3
331111	Iron and Steel Mills	12,696.8	29.8	9.3
331112	Electrometallurgical Ferroalloy Products	8,098.9	31.7	10.9
3312	Steel Products from Purchased Steel	1,343.2	6.1	2.2
3313	Alumina and Aluminum	4,516.7	25.7	6.8
331314	Secondary Smelting and Alloying of Aluminum	5,721.8	32.5	5.0
331315	Aluminum Sheet, Plate and Foils	3,633.4	16.6	3.7

Table 6.1 Consumption Ratios of Fuel, 2010;**Level: National and Regional Data;****Row: NAICS Codes; Column: Energy-Consumption Ratios;****Unit: Varies.**

NAICS Code(a)	Subsector and Industry	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)
331316	Aluminum Extruded Products	1,064.7	7.0	2.6
3314	Nonferrous Metals, except Aluminum	2,522.1	5.7	2.0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	8,897.6	18.1	9.2
3315	Foundries	888.8	7.1	3.7
331511	Iron Foundries	1,261.2	10.3	4.8
331521	Aluminum Die-Casting Foundries	925.8	7.7	3.7
331524	Aluminum Foundries, except Die-Casting	745.9	6.0	3.8
332	Fabricated Metal Products	285.3	1.9	0.9
333	Machinery	183.0	0.9	0.5
334	Computer and Electronic Products	151.9	0.7	0.4
334413	Semiconductors and Related Devices	617.7	1.0	0.8
335	Electrical Equip., Appliances, and Components	258.5	1.7	0.8
336	Transportation Equipment	253.0	1.0	0.5
336111	Automobiles	512.1	1.3	0.4
336112	Light Trucks and Utility Vehicles	626.8	0.9	0.3
3364	Aerospace Product and Parts	177.6	0.7	0.4
336411	Aircraft	135.1	0.4	0.2
337	Furniture and Related Products	110.1	1.1	0.6
339	Miscellaneous	98.7	0.6	0.4
	Total	1,449.6	6.4	2.8

Northeast Census Region

311	Food	553.1	2.4	1.2
3112	Grain and Oilseed Milling	1,010.3	1.9	0.8
311221	Wet Corn Milling	2,160.6	19.1	3.9
31131	Sugar Manufacturing	1,020.5	35.5	8.2
3114	Fruit and Vegetable Preserving and Specialty Foods	726.0	3.9	1.7
3115	Dairy Products	615.7	2.7	1.0
3116	Animal Slaughtering and Processing	367.9	3.1	1.0
312	Beverage and Tobacco Products	498.2	1.5	0.9
3121	Beverages	488.6	1.6	0.8
3122	Tobacco	715.6	1.1	0.9
313	Textile Mills	583.9	5.7	2.6
314	Textile Product Mills	458.4	4.7	2.0
315	Apparel	Q	Q	Q
316	Leather and Allied Products	75.3	0.8	0.4
321	Wood Products	2,748.2	31.8	12.6
321113	Sawmills	818.0	8.4	3.0
3212	Veneer, Plywood, and Engineered Woods	25,449.3	272.7	119.4
321219	Reconstituted Wood Products	32,467.2	214.6	83.3
3219	Other Wood Products	247.1	3.1	1.3
322	Paper	5,255.2	24.7	11.7
322110	Pulp Mills	53,637.3	481.1	163.8
322121	Paper Mills, except Newsprint	11,264.3	31.2	16.6
322122	Newsprint Mills	W	W	W
322130	Paperboard Mills	7,343.0	28.2	12.0
323	Printing and Related Support	249.6	2.6	1.4
324	Petroleum and Coal Products	23,251.8	74.4	5.9
324110	Petroleum Refineries	47,994.1	139.9	6.1
324121	Asphalt Paving Mixture and Block	4,433.1	20.4	5.6
324199	Other Petroleum and Coal Products	22,763.3	79.1	27.3
325	Chemicals	1,238.1	2.4	1.6
325110	Petrochemicals	2,535.5	2.8	1.4
325120	Industrial Gases	4,773.7	13.6	9.9
325181	Alkalies and Chlorine	17,413.6	33.0	23.3
325182	Carbon Black	341.7	0.5	0.4
325188	Other Basic Inorganic Chemicals	2,454.8	3.9	2.8
325192	Cyclic Crudes and Intermediates	14,844.6	8.4	7.4
325193	Ethyl Alcohol	17,143.8	42.9	10.2
325199	Other Basic Organic Chemicals	2,921.3	6.3	3.2
325211	Plastics Materials and Resins	1,616.3	6.0	2.5
325212	Synthetic Rubber	193.3	1.3	0.5
325222	Noncellulosic Organic Fibers	492.2	3.1	2.0
325311	Nitrogenous Fertilizers	2,189.7	4.8	2.3
325312	Phosphatic Fertilizers	53.1	0.3	0.1

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NAICS Code(a)	Subsector and Industry	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)
3254	Pharmaceuticals and Medicines	476.5	0.8	0.5
325412	Pharmaceutical Preparation	327.1	0.4	0.3
325992	Photographic Film, Paper, Plate, and Chemicals	2,190.7	5.2	3.2
326	Plastics and Rubber Products	323.1	2.5	1.4
327	Nonmetallic Mineral Products	2,123.8	15.1	8.1
327121	Brick and Structural Clay Tile	3,923.4	45.8	23.9
327211	Flat Glass	8,758.0	46.4	20.4
327212	Other Pressed and Blown Glass and Glassware	1,850.0	12.5	7.4
327213	Glass Containers	3,513.5	18.7	10.9
327215	Glass Products from Purchased Glass	409.7	3.6	2.1
327310	Cements	16,611.0	70.1	36.9
327410	Lime	13,877.5	67.2	37.8
327420	Gypsum	11,856.9	42.1	18.7
327993	Mineral Wool	2,043.4	8.4	5.4
331	Primary Metals	3,184.9	15.6	5.0
331111	Iron and Steel Mills	8,136.3	26.8	9.0
331112	Electrometallurgical Ferroalloy Products	4,193.1	14.2	7.0
3312	Steel Products from Purchased Steel	970.9	5.3	2.1
3313	Alumina and Aluminum	4,192.4	180.3	4.6
331314	Secondary Smelting and Alloying of Aluminum	9,870.1	7,118.5	14.0
331315	Aluminum Sheet, Plate and Foils	4,320.3	S	2.8
331316	Aluminum Extruded Products	1,846.3	9.6	4.0
3314	Nonferrous Metals, except Aluminum	1,199.9	5.1	1.6
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	930.7	2.9	0.6
3315	Foundries	567.0	4.6	2.8
331511	Iron Foundries	775.9	6.4	3.5
331521	Aluminum Die-Casting Foundries	496.4	5.3	3.3
331524	Aluminum Foundries, except Die-Casting	374.0	3.6	2.6
332	Fabricated Metal Products	209.6	1.2	0.5
333	Machinery	174.4	0.9	0.4
334	Computer and Electronic Products	145.6	0.8	0.5
334413	Semiconductors and Related Devices	434.8	1.7	0.9
335	Electrical Equip., Appliances, and Components	221.2	1.5	0.7
336	Transportation Equipment	227.0	0.9	0.4
336111	Automobiles	79.9	0.7	0.2
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0
3364	Aerospace Product and Parts	251.7	1.1	0.5
336411	Aircraft	223.0	1.0	0.4
337	Furniture and Related Products	82.9	0.6	0.3
339	Miscellaneous	119.5	0.6	0.4
	Total	881.6	4.2	2.0

Midwest Census Region

311	Food	1,281.4	5.6	2.1
3112	Grain and Oilseed Milling	9,189.2	13.8	4.7
311221	Wet Corn Milling	31,361.3	27.4	13.1
31131	Sugar Manufacturing	9,054.5	37.1	15.3
3114	Fruit and Vegetable Preserving and Specialty Foods	594.7	3.5	1.5
3115	Dairy Products	861.0	3.3	1.0
3116	Animal Slaughtering and Processing	564.2	4.0	1.2
312	Beverage and Tobacco Products	929.8	2.1	1.1
3121	Beverages	935.7	2.4	1.2
3122	Tobacco	487.7	0.1	0.1
313	Textile Mills	371.0	2.2	1.2
314	Textile Product Mills	64.6	0.6	0.4
315	Apparel	73.9	Q	Q
316	Leather and Allied Products	117.5	1.7	0.7
321	Wood Products	658.8	7.4	3.3
321113	Sawmills	3,159.2	28.9	13.8
3212	Veneer, Plywood, and Engineered Woods	824.6	9.1	4.0
321219	Reconstituted Wood Products	2,502.9	21.4	9.1
3219	Other Wood Products	238.3	2.8	1.3
322	Paper	2,698.0	12.1	5.4
322110	Pulp Mills	9,590.6	26.9	9.5
322121	Paper Mills, except Newsprint	9,451.5	29.5	14.8

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322122	Newsprint Mills	8,176.0	43.9	14.7
322130	Paperboard Mills	8,921.0	29.6	15.0
323	Printing and Related Support	156.8	1.4	0.9
324	Petroleum and Coal Products	25,700.7	27.3	4.9
324110	Petroleum Refineries	45,532.6	36.9	5.3
324121	Asphalt Paving Mixture and Block	4,452.0	4.7	2.5
324199	Other Petroleum and Coal Products	10,638.9	26.3	6.2
325	Chemicals	3,346.6	7.3	3.5
325110	Petrochemicals	12,162.9	12.6	6.6
325120	Industrial Gases	14,364.0	37.4	21.4
325181	Alkalies and Chlorine	W	W	W
325182	Carbon Black	W	W	W
325188	Other Basic Inorganic Chemicals	14,243.5	21.0	12.7
325192	Cyclic Crudes and Intermediates	28,741.8	11.1	8.2
325193	Ethyl Alcohol	42,749.2	53.5	16.1
325199	Other Basic Organic Chemicals	3,795.8	15.2	5.8
325211	Plastics Materials and Resins	3,043.3	9.3	3.6
325212	Synthetic Rubber	2,308.5	7.0	3.0
325222	Noncellulosic Organic Fibers	3,008.7	12.4	4.8
325311	Nitrogenous Fertilizers	42,397.3	51.0	28.7
325312	Phosphatic Fertilizers	867.4	1.7	0.8
3254	Pharmaceuticals and Medicines	458.5	0.9	0.6
325412	Pharmaceutical Preparation	445.0	0.8	0.6
325992	Photographic Film, Paper, Plate, and Chemicals	679.5	2.3	1.3
326	Plastics and Rubber Products	388.3	3.3	1.5
327	Nonmetallic Mineral Products	2,267.8	16.9	8.6
327121	Brick and Structural Clay Tile	2,733.3	41.0	23.6
327211	Flat Glass	4,586.8	25.4	14.8
327212	Other Pressed and Blown Glass and Glassware	2,177.3	20.9	11.0
327213	Glass Containers	4,489.5	20.4	12.6
327215	Glass Products from Purchased Glass	365.6	2.8	1.5
327310	Cements	23,649.8	92.6	55.0
327410	Lime	26,530.1	113.5	61.2
327420	Gypsum	4,782.7	33.8	13.7
327993	Mineral Wool	3,288.2	20.5	10.3
331	Primary Metals	6,191.3	21.1	6.7
331111	Iron and Steel Mills	15,380.7	28.8	9.1
331112	Electrometallurgical Ferroalloy Products	9,874.2	31.4	9.1
3312	Steel Products from Purchased Steel	1,707.2	9.1	3.0
3313	Alumina and Aluminum	4,370.0	22.3	6.9
331314	Secondary Smelting and Alloying of Aluminum	4,351.0	21.0	4.3
331315	Aluminum Sheet, Plate and Foils	3,042.9	12.5	3.6
331316	Aluminum Extruded Products	W	W	W
3314	Nonferrous Metals, except Aluminum	2,172.2	5.5	1.3
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	7,325.7	8.5	5.5
3315	Foundries	1,052.1	8.5	4.3
331511	Iron Foundries	1,521.8	12.9	5.7
331521	Aluminum Die-Casting Foundries	1,061.7	8.7	3.7
331524	Aluminum Foundries, except Die-Casting	812.5	7.2	4.4
332	Fabricated Metal Products	387.3	2.5	1.3
333	Machinery	227.2	1.2	0.6
334	Computer and Electronic Products	125.8	0.8	0.4
334413	Semiconductors and Related Devices	595.0	3.0	1.6
335	Electrical Equip., Appliances, and Components	272.1	1.7	0.9
336	Transportation Equipment	322.4	1.3	0.5
336111	Automobiles	570.6	1.6	0.4
336112	Light Trucks and Utility Vehicles	700.0	0.8	0.3
3364	Aerospace Product and Parts	218.1	1.0	0.5
336411	Aircraft	171.6	0.7	0.2
337	Furniture and Related Products	161.3	1.0	0.6
339	Miscellaneous	82.6	0.8	0.4
	Total	1,176.4	5.7	2.4

South Census Region

311	Food	607.0	3.3	1.5
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Unit: Varies.

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3112	Grain and Oilseed Milling	3,632.1	6.9	2.2
311221	Wet Corn Milling	16,917.0	24.3	8.6
31131	Sugar Manufacturing	7,599.7	31.4	10.8
3114	Fruit and Vegetable Preserving and Specialty Foods	670.7	3.1	1.6
3115	Dairy Products	532.7	2.8	1.0
3116	Animal Slaughtering and Processing	363.0	3.1	1.3
312	Beverage and Tobacco Products	842.3	0.8	0.6
3121	Beverages	888.4	1.8	1.0
3122	Tobacco	723.5	0.3	0.2
313	Textile Mills	982.3	8.2	3.7
314	Textile Product Mills	297.9	3.8	1.6
315	Apparel	97.0	1.3	0.6
316	Leather and Allied Products	64.9	1.1	0.3
321	Wood Products	1,894.8	20.2	8.5
321113	Sawmills	4,518.8	46.5	19.3
3212	Veneer, Plywood, and Engineered Woods	2,646.4	24.8	9.9
321219	Reconstituted Wood Products	5,692.6	35.0	13.9
3219	Other Wood Products	322.4	3.9	1.8
322	Paper	8,967.1	37.0	17.2
322110	Pulp Mills	38,994.6	144.2	60.3
322121	Paper Mills, except Newsprint	17,573.2	41.6	23.6
322122	Newsprint Mills	W	W	W
322130	Paperboard Mills	30,319.5	68.3	35.5
323	Printing and Related Support	240.3	2.1	1.1
324	Petroleum and Coal Products	40,232.3	35.0	5.0
324110	Petroleum Refineries	55,073.2	37.2	5.1
324121	Asphalt Paving Mixture and Block	4,796.0	17.6	4.8
324199	Other Petroleum and Coal Products	26,652.3	52.2	21.6
325	Chemicals	9,890.2	9.5	4.8
325110	Petrochemicals	68,686.0	17.0	7.3
325120	Industrial Gases	18,192.7	23.2	14.5
325181	Alkalies and Chlorine	W	W	W
325182	Carbon Black	W	W	W
325188	Other Basic Inorganic Chemicals	5,148.8	11.6	7.9
325192	Cyclic Crudes and Intermediates	15,328.0	25.5	9.0
325193	Ethyl Alcohol	35,539.0	75.0	15.4
325199	Other Basic Organic Chemicals	15,161.0	Q	Q
325211	Plastics Materials and Resins	14,566.7	21.1	7.3
325212	Synthetic Rubber	7,925.6	22.3	5.8
325222	Noncellulosic Organic Fibers	3,362.0	20.9	6.6
325311	Nitrogenous Fertilizers	66,821.1	55.2	30.8
325312	Phosphatic Fertilizers	7,010.3	14.1	4.2
3254	Pharmaceuticals and Medicines	533.3	0.7	0.5
325412	Pharmaceutical Preparation	532.8	0.6	0.3
325992	Photographic Film, Paper, Plate, and Chemicals	471.0	1.8	0.7
326	Plastics and Rubber Products	624.7	4.1	2.0
327	Nonmetallic Mineral Products	2,520.5	16.5	9.0
327121	Brick and Structural Clay Tile	2,780.2	21.9	16.4
327211	Flat Glass	6,422.7	34.1	17.1
327212	Other Pressed and Blown Glass and Glassware	3,288.3	18.6	11.6
327213	Glass Containers	5,063.2	24.2	14.2
327215	Glass Products from Purchased Glass	438.9	3.3	1.9
327310	Cements	15,775.7	75.6	37.7
327410	Lime	18,269.6	75.5	42.1
327420	Gypsum	7,445.7	55.0	18.6
327993	Mineral Wool	3,054.5	17.0	9.2
331	Primary Metals	5,154.1	21.0	7.0
331111	Iron and Steel Mills	12,116.1	35.7	11.0
331112	Electrometallurgical Ferroalloy Products	10,298.4	69.3	20.1
3312	Steel Products from Purchased Steel	1,351.7	4.6	1.8
3313	Alumina and Aluminum	4,773.7	24.8	7.3
331314	Secondary Smelting and Alloying of Aluminum	5,278.9	19.2	3.1
331315	Aluminum Sheet, Plate and Foils	3,909.7	13.5	3.9
331316	Aluminum Extruded Products	1,359.1	8.6	2.8
3314	Nonferrous Metals, except Aluminum	3,734.9	10.9	3.3
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	26,408.6	92.9	53.1
3315	Foundries	915.5	7.1	3.6

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NAICS Code(a)	Subsector and Industry	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)
331511	Iron Foundries	974.7	7.4	3.7
331521	Aluminum Die-Casting Foundries	905.1	7.2	3.8
331524	Aluminum Foundries, except Die-Casting	2,039.0	10.7	5.1
332	Fabricated Metal Products	303.0	2.1	1.1
333	Machinery	154.0	0.8	0.4
334	Computer and Electronic Products	141.7	0.7	0.5
334413	Semiconductors and Related Devices	904.5	2.3	1.4
335	Electrical Equip., Appliances, and Components	381.4	2.2	1.0
336	Transportation Equipment	239.3	1.1	0.4
336111	Automobiles	505.0	0.9	0.3
336112	Light Trucks and Utility Vehicles	589.2	1.0	0.3
3364	Aerospace Product and Parts	190.6	1.1	0.5
336411	Aircraft	151.0	0.8	0.4
337	Furniture and Related Products	101.0	1.8	0.8
339	Miscellaneous	117.5	0.9	0.5
	Total	2,212.5	8.7	3.7
West Census Region				
311	Food	878.9	4.7	1.9
3112	Grain and Oilseed Milling	2,006.8	4.2	1.6
311221	Wet Corn Milling	8,633.7	25.5	8.6
31131	Sugar Manufacturing	8,022.8	29.5	16.8
3114	Fruit and Vegetable Preserving and Specialty Foods	1,239.6	7.7	3.5
3115	Dairy Products	1,280.3	4.8	1.4
3116	Animal Slaughtering and Processing	471.9	4.1	1.1
312	Beverage and Tobacco Products	435.0	1.3	0.6
3121	Beverages	435.6	1.3	0.6
3122	Tobacco	41.5	0.2	0.1
313	Textile Mills	383.5	3.9	1.6
314	Textile Product Mills	68.8	0.5	0.4
315	Apparel	29.8	0.6	0.2
316	Leather and Allied Products	25.6	0.4	0.2
321	Wood Products	1,196.6	12.3	5.1
321113	Sawmills	3,262.0	30.9	11.2
3212	Veneer, Plywood, and Engineered Woods	1,863.8	18.0	6.4
321219	Reconstituted Wood Products	4,765.5	32.0	12.3
3219	Other Wood Products	203.0	2.3	1.1
322	Paper	5,040.3	23.9	10.8
322110	Pulp Mills	25,059.9	119.1	43.9
322121	Paper Mills, except Newsprint	11,113.0	25.4	14.5
322122	Newsprint Mills	20,555.2	59.9	24.7
322130	Paperboard Mills	30,669.3	87.6	35.2
323	Printing and Related Support	Q	Q	Q
324	Petroleum and Coal Products	37,173.2	35.5	6.0
324110	Petroleum Refineries	46,758.3	37.7	6.0
324121	Asphalt Paving Mixture and Block	6,122.7	15.0	5.0
324199	Other Petroleum and Coal Products	36,827.5	43.5	21.4
325	Chemicals	1,268.2	2.7	1.7
325110	Petrochemicals	0.0	0.0	0.0
325120	Industrial Gases	9,635.3	30.7	17.9
325181	Alkalies and Chlorine	27,026.9	64.9	40.9
325182	Carbon Black	1,895.8	9.4	4.0
325188	Other Basic Inorganic Chemicals	6,646.3	15.1	9.3
325192	Cyclic Crudes and Intermediates	7,840.9	18.9	13.0
325193	Ethyl Alcohol	21,404.2	S	9.0
325199	Other Basic Organic Chemicals	1,875.6	3.9	2.2
325211	Plastics Materials and Resins	440.1	2.0	0.8
325212	Synthetic Rubber	85.7	0.5	0.4
325222	Noncellulosic Organic Fibers	375.9	4.9	1.6
325311	Nitrogenous Fertilizers	2,850.0	8.0	3.1
325312	Phosphatic Fertilizers	3,031.2	6.2	3.1
3254	Pharmaceuticals and Medicines	149.6	0.2	0.2
325412	Pharmaceutical Preparation	143.9	0.2	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	840.9	2.4	1.5
326	Plastics and Rubber Products	246.0	2.0	1.2

Table 6.1 Consumption Ratios of Fuel, 2010;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy-Consumption Ratios;
Unit: Varies.

NAICS Code(a)	Subsector and Industry	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)
327	Nonmetallic Mineral Products	1,699.8	13.0	6.7
327121	Brick and Structural Clay Tile	2,293.0	24.7	15.4
327211	Flat Glass	5,760.7	45.1	22.0
327212	Other Pressed and Blown Glass and Glassware	2,372.2	15.2	10.4
327213	Glass Containers	4,172.8	16.9	10.4
327215	Glass Products from Purchased Glass	211.4	1.6	0.8
327310	Cements	18,973.0	101.0	46.7
327410	Lime	34,258.2	58.1	39.7
327420	Gypsum	3,535.5	25.6	10.7
327993	Mineral Wool	1,097.1	9.6	5.9
331	Primary Metals	2,555.5	6.7	3.6
331111	Iron and Steel Mills	5,321.3	19.4	4.9
331112	Electrometallurgical Ferroalloy Products	94.5	0.4	0.2
3312	Steel Products from Purchased Steel	369.3	3.9	0.9
3313	Alumina and Aluminum	4,205.8	22.6	7.5
331314	Secondary Smelting and Alloying of Aluminum	2,767.8	17.2	2.8
331315	Aluminum Sheet, Plate and Foils	3,483.5	14.1	5.5
331316	Aluminum Extruded Products	W	W	W
3314	Nonferrous Metals, except Aluminum	4,063.2	3.5	2.5
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	6,444.0	16.3	9.3
3315	Foundries	513.7	3.9	2.4
331511	Iron Foundries	1,472.8	12.3	5.8
331521	Aluminum Die-Casting Foundries	432.0	3.7	2.1
331524	Aluminum Foundries, except Die-Casting	403.5	3.1	2.3
332	Fabricated Metal Products	143.9	1.0	0.6
333	Machinery	80.4	0.4	0.2
334	Computer and Electronic Products	183.9	0.6	0.4
334413	Semiconductors and Related Devices	612.8	0.7	0.6
335	Electrical Equip., Appliances, and Components	56.8	0.6	0.3
336	Transportation Equipment	137.4	0.5	0.3
336111	Automobiles	36.5	0.5	0.1
336112	Light Trucks and Utility Vehicles	55.2	0.3	0.1
3364	Aerospace Product and Parts	134.4	0.4	0.3
336411	Aircraft	76.3	0.2	0.1
337	Furniture and Related Products	73.8	0.7	0.4
339	Miscellaneous	79.4	0.3	0.2
	Total	995.1	4.3	2.2

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

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: 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.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2010 Annual Survey of Manufacturers.'