

Table 3.2 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
Total United States											
RSE Column Factors:		0.8	0.8	1.1	1.6	0.9	1.8	0.7	0.7	1.1	
311	Food	1,116	230	13	19	575	5	184	1	90	7.6
311221	Wet Corn Milling	217	23	*	*	61	*	121	0	11	1.2
31131	Sugar	111	2	2	1	22	*	37	1	46	1
311421	Fruit and Vegetable Canning	47	7	1	1	36	Q	0	0	1	12.5
312	Beverage and Tobacco Products	104	26	2	2	46	1	17	0	10	4.4
3121	Beverages	85	22	1	2	42	1	8	0	10	5.9
3122	Tobacco	19	4	1	*	4	*	10	0	*	1
313	Textile Mills	205	86	4	2	74	2	22	0	15	15.7
314	Textile Product Mills	60	17	2	Q	29	1	Q	0	Q	21.7
315	Apparel	30	12	*	1	16	*	0	0	*	23.2
316	Leather and Allied Products	7	2	*	*	4	*	0	0	*	8.5
321	Wood Products	375	72	1	10	57	5	1	0	229	4.5
321113	Sawmills	128	20	*	5	10	1	0	0	92	5.4
3212	Veneer, Plywood, and Engineered Woods	167	33	1	2	33	3	1	0	95	5.2
3219	Other Wood Products	73	18	*	2	11	1	0	0	40	9
322	Paper	2,361	223	100	13	504	6	234	4	1,276	2
322110	Pulp Mills	224	5	W	5	24	*	W	0	175	1
322121	Paper Mills, except Newsprint	1,002	78	47	4	206	1	139	4	522	1.9
322122	Newsprint Mills	94	38	W	*	16	*	W	0	27	1
322130	Paperboard Mills	907	56	34	4	188	*	83	0	542	2.3
323	Printing and Related Support	98	50	*	*	46	1	0	0	1	11.7
324	Petroleum and Coal Products	3,202	127	25	16	878	24	13	*	2,119	3.6
324110	Petroleum Refineries	3,086	121	21	5	821	20	1	0	2,097	3.3
324199	Other Petroleum and Coal Products	34	-2	*	*	5	*	11	*	19	1.4
325	Chemicals	3,769	522	43	14	1,678	37	314	1	1,158	4.7
325110	Petrochemicals	474	W	W	*	172	W	W	0	233	1
325120	Industrial Gases	177	W	0	*	52	*	0	0	W	6.2
325181	Alkalies and Chlorine	173	42	*	*	94	*	20	0	16	1.4
325182	Carbon Black	42	2	14	*	10	*	0	0	16	0.9
325188	Other Basic Inorganic Chemicals	210	88	2	2	68	*	19	*	30	3
325192	Cyclic Crudes and Intermediates	72	12	*	*	37	*	0	0	23	0.9
325193	Ethyl Alcohol	60	W	0	*	30	*	19	0	W	5.7
325199	Other Basic Organic Chemicals	1,184	78	13	2	425	W	W	0	514	13.3
325211	Plastics Materials and Resins	665	73	1	1	348	*	27	*	214	6.7
325212	Synthetic Rubber	52	6	*	*	28	*	5	0	12	7.4
325222	Noncellulosic Organic Fibers	61	W	W	*	30	*	W	0	3	1.6
325311	Nitrogenous Fertilizers	205	12	0	*	189	*	0	0	4	0.9
325312	Phosphatic Fertilizers	27	3	1	1	19	*	1	1	1	1
3254	Pharmaceuticals and Medicines	121	37	2	3	62	*	9	0	9	5.1
325412	Pharmaceutical Preparation	84	28	2	1	40	*	9	0	4	6
325992	Photographic Film, Paper, Plate, and Chemicals	29	W	1	*	7	*	W	0	*	6.3
326	Plastics and Rubber Products	348	181	7	2	128	3	Q	0	5	9.5
327	Nonmetallic Mineral Products	1,052	141	3	31	421	3	309	11	133	4
3272	Glass and Glass Products	200	42	W	W	152	1	0	0	4	2.4
327211	Flat Glass	62	6	W	W	52	*	0	0	2	0.9
327213	Glass Containers	66	13	0	*	52	*	0	0	*	0.9
327310	Cements	409	43	1	6	21	*	236	8	95	2.1
327410	Lime	106	5	1	1	8	*	66	*	26	1
327993	Mineral Wool	51	13	0	*	35	*	0	3	*	2.9
331	Primary Metals	2,123	493	1	15	669	3	47	553	342	2.1
331111	Iron and Steel Mills	1,455	184	1	10	388	*	36	526	311	2.6
331112	Electrometallurgical Ferroalloy Products	24	12	0	*	7	*	2	*	2	2.6
3312	Steel Products from Purchased Steel	41	16	*	*	24	*	0	0	1	12.3
3313	Alumina and Aluminum	351	193	*	1	130	1	0	*	26	1.9
331312	Primary Aluminum	208	W	*	*	20	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	95	34	*	2	44	1	8	4	3	4.6
3315	Foundries	157	54	*	1	77	1	1	23	*	3.8
331511	Iron Foundries	81	28	0	1	27	*	1	23	*	4.7
331521	Aluminum Die-Casting Foundries	23	6	*	*	16	*	0	0	*	2.4
331524	Aluminum Foundries, except Die-Casting	19	5	*	*	14	*	0	0	*	4.8
332	Fabricated Metal Products	387	161	Q	6	209	3	1	Q	2	17.2
333	Machinery	175	84	*	2	82	2	1	0	4	11.5
334	Computer and Electronic Products	200	131	1	1	65	*	*	0	2	17.7
334413	Semiconductors and Related Devices	66	44	*	*	21	*	0	0	Q	3.9
335	Electrical Equip., Appliances, and Components	103	47	*	1	53	1	*	0	1	6.8

Table 3.2 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
336	Transportation Equipment	424	172	6	3	203	4	8	0	28	5.8
336112	Light Trucks and Utility Vehicles	57	W	*	*	36	*	W	0	3	1
337	Furniture and Related Products	63	24	*	1	25	1	1	0	11	10.1
339	Miscellaneous	71	35	*	*	32	1	0	0	2	9.3
	Total	16,276	2,839	211	142	5,794	103	1,182	574	5,431	2.9
Northeast Census Region											
	RSE Column Factors:	1	1.1	1	1.6	1	1.8	0.8	0.6	0.8	
311	Food	90	22	5	3	55	*	2	0	Q	23
311221	Wet Corn Milling	*	W	W	W	0	0	0	0	W	1
31131	Sugar	W	W	*	*	W	*	0	0	*	0.9
311421	Fruit and Vegetable Canning	5	1	Q	*	3	*	0	0	*	10.9
312	Beverage and Tobacco Products	13	3	1	*	7	*	0	0	1	4.9
3121	Beverages	12	W	1	W	W	W	0	0	1	5.4
3122	Tobacco	1	W	*	W	W	W	0	0	*	0.9
313	Textile Mills	24	5	3	1	14	1	0	0	*	25.4
314	Textile Product Mills	4	1	*	*	2	*	*	0	*	4.3
315	Apparel	6	2	0	*	4	*	0	0	0	27.6
316	Leather and Allied Products	W	*	*	*	W	*	0	0	*	11
321	Wood Products	22	4	*	2	4	1	0	0	11	12.7
321113	Sawmills	7	1	*	2	*	*	0	0	4	5.7
3212	Veneer, Plywood, and Engineered Woods	5	1	*	*	2	*	0	0	2	11.8
3219	Other Wood Products	10	2	*	1	2	*	0	0	5	20.3
322	Paper	284	28	37	2	W	1	W	0	127	3.7
322110	Pulp Mills	W	*	W	0	W	*	0	0	0	8.7
322121	Paper Mills, except Newsprint	218	10	25	1	48	1	15	0	118	3.2
322122	Newsprint Mills	7	W	W	*	0	0	0	0	0	0.9
322130	Paperboard Mills	28	3	5	*	W	W	W	0	W	2.7
323	Printing and Related Support	23	11	W	*	W	*	0	0	*	15
324	Petroleum and Coal Products	223	11	4	7	44	1	3	*	153	3.2
324110	Petroleum Refineries	202	9	3	1	36	1	1	0	151	1.5
324199	Other Petroleum and Coal Products	4	*	*	*	*	*	1	*	1	1
325	Chemicals	163	42	W	4	W	1	W	0	21	7.4
325110	Petrochemicals	W	*	0	*	W	0	0	0	0	1.8
325120	Industrial Gases	9	7	0	W	W	0	0	0	2	1
325181	Alkalies and Chlorine	W	W	*	*	*	*	0	0	W	1
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	13	3	W	1	W	*	0	0	Q	2.8
325192	Cyclic Crudes and Intermediates	6	1	W	*	W	*	0	0	W	0.9
325193	Ethyl Alcohol	*	W	0	0	*	0	0	0	W	1.1
325199	Other Basic Organic Chemicals	17	3	W	*	W	*	0	0	6	8.2
325211	Plastics Materials and Resins	14	3	W	1	W	*	0	0	3	12.9
325212	Synthetic Rubber	1	*	0	0	*	*	0	0	*	0.9
325222	Noncellulosic Organic Fibers	*	W	W	0	W	*	0	0	*	5.8
325311	Nitrogenous Fertilizers	2	*	0	*	1	*	0	0	*	0.9
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	43	10	W	*	W	*	0	0	2	7.6
325412	Pharmaceutical Preparation	31	7	1	*	21	*	0	0	1	10.2
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	W	*	W	*	W	0	*	4.3
326	Plastics and Rubber Products	46	26	2	*	14	1	2	0	1	8.4
327	Nonmetallic Mineral Products	151	22	W	3	W	1	42	1	18	5.2
3272	Glass and Glass Products	40	7	W	W	W	*	0	0	2	3.6
327211	Flat Glass	11	1	0	W	W	W	0	0	W	0.9
327213	Glass Containers	13	3	0	W	W	*	0	0	*	0.9
327310	Cements	56	6	W	W	*	*	W	1	14	1
327410	Lime	6	W	0	W	*	W	W	0	1	0.9
327993	Mineral Wool	5	1	0	*	3	*	0	*	*	3.3
331	Primary Metals	241	51	*	2	W	1	W	36	71	5.8
331111	Iron and Steel Mills	152	21	0	1	W	*	W	27	W	2.9
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	W	*	0	0	W	0.9
3312	Steel Products from Purchased Steel	W	W	*	*	W	*	0	0	W	15.2
3313	Alumina and Aluminum	37	W	*	*	W	*	0	0	W	1.2
331312	Primary Aluminum	W	W	*	*	W	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	24	6	*	*	W	*	7	1	W	4.1
3315	Foundries	W	4	*	*	W	*	*	Q	*	4.3
331511	Iron Foundries	13	2	0	*	3	*	*	Q	*	5.3
331521	Aluminum Die-Casting Foundries	1	*	0	*	*	*	0	0	*	3.4

Table 3.2 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
331524	Aluminum Foundries, except Die-Casting	3	1	*	*	2	*	0	0	*	1.4
332	Fabricated Metal Products	55	22	W	2	W	*	*	*	1	19
333	Machinery	27	13	*	*	12	*	0	0	Q	14.8
334	Computer and Electronic Products	61	38	1	1	21	*	*	0	1	30.4
334413	Semiconductors and Related Devices	14	8	*	*	5	*	0	0	Q	2.3
335	Electrical Equip., Appliances, and Components	17	7	*	*	10	*	0	0	*	15.9
336	Transportation Equipment	49	14	4	*	20	*	0	0	11	5.6
336112	Light Trucks and Utility Vehicles	2	W	0	W	W	*	0	0	W	0.9
337	Furniture and Related Products	W	3	0	*	W	*	0	0	1	12.3
339	Miscellaneous	21	9	W	*	W	*	0	0	2	13.5
	Total	1,530	334	68	30	538	9	92	38	422	4.2
Midwest Census Region											
	RSE Column Factors:	1.1	1.1	0.9	1.3	1.2	2	0.5	0.6	1.1	
311	Food	533	97	4	2	246	1	159	1	24	10.6
311221	Wet Corn Milling	191	20	W	*	52	W	113	0	6	0.9
31131	Sugar	29	1	1	*	5	*	21	1	*	1
311421	Fruit and Vegetable Canning	7	1	*	*	5	*	0	0	*	3.1
312	Beverage and Tobacco Products	22	5	*	Q	10	*	6	0	1	3.4
3121	Beverages	22	W	*	W	W	W	6	0	1	3.4
3122	Tobacco	*	W	0	W	W	W	0	0	*	0.8
313	Textile Mills	3	1	0	*	W	W	0	0	*	6.5
314	Textile Product Mills	2	1	0	0	W	W	0	0	W	9.4
315	Apparel	1	1	0	0	W	W	0	0	W	13.9
316	Leather and Allied Products	4	1	0	*	3	*	0	0	*	13.3
321	Wood Products	47	10	*	1	W	1	W	0	20	5.2
321113	Sawmills	5	1	0	*	1	*	0	0	3	9.5
3212	Veneer, Plywood, and Engineered Woods	23	4	*	*	W	1	W	0	11	3.4
3219	Other Wood Products	17	5	0	*	5	*	0	0	Q	11.7
322	Paper	337	51	7	1	100	Q	80	4	93	3.4
322110	Pulp Mills	W	*	0	*	W	*	W	0	W	0.9
322121	Paper Mills, except Newsprint	212	28	5	1	52	*	63	4	60	2.3
322122	Newsprint Mills	4	W	0	*	W	*	W	0	W	0.9
322130	Paperboard Mills	60	8	W	*	W	W	W	0	W	6.1
323	Printing and Related Support	34	18	0	*	15	*	0	0	1	13.4
324	Petroleum and Coal Products	485	23	8	2	102	6	0	0	344	4.4
324110	Petroleum Refineries	457	21	8	1	84	5	0	0	339	2.5
324199	Other Petroleum and Coal Products	4	*	0	*	1	*	0	0	4	0.8
325	Chemicals	493	100	W	3	188	W	58	*	141	7.3
325110	Petrochemicals	W	W	0	*	W	W	0	0	*	0.8
325120	Industrial Gases	Q	21	0	0	W	0	0	0	W	1.3
325181	Alkalies and Chlorine	W	W	0	*	W	*	W	0	*	4.2
325182	Carbon Black	W	*	W	0	1	*	0	0	1	0.9
325188	Other Basic Inorganic Chemicals	42	7	W	*	W	*	W	*	14	2.8
325192	Cyclic Crudes and Intermediates	9	W	W	W	W	*	0	0	W	0.8
325193	Ethyl Alcohol	57	4	0	*	28	*	19	0	6	5.6
325199	Other Basic Organic Chemicals	74	14	0	W	20	*	W	0	Q	2.9
325211	Plastics Materials and Resins	75	15	W	*	W	*	6	*	33	3.6
325212	Synthetic Rubber	4	1	0	*	W	*	W	0	*	3.4
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	36	4	0	*	31	0	0	0	1	0.9
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	44	14	W	2	W	*	9	0	1	6.7
325412	Pharmaceutical Preparation	34	12	*	*	13	*	9	0	*	2.6
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	0	0	W	*	0	0	0	3.6
326	Plastics and Rubber Products	137	67	1	*	48	1	Q	0	1	12.3
327	Nonmetallic Mineral Products	303	36	W	Q	W	1	85	2	59	5.2
3272	Glass and Glass Products	58	12	0	*	44	*	0	0	1	1.5
327211	Flat Glass	19	2	0	*	16	*	0	0	1	0.8
327213	Glass Containers	16	3	0	W	W	*	0	0	*	0.8
327310	Cements	117	10	0	W	W	*	55	*	45	3.6
327410	Lime	48	2	W	*	4	W	30	*	12	1
327993	Mineral Wool	20	5	0	*	14	*	0	1	*	1.3
331	Primary Metals	1,186	189	*	8	334	1	28	409	215	2
331111	Iron and Steel Mills	937	77	*	8	223	*	24	396	209	2.3
331112	Electrometallurgical Ferroalloy Products	19	8	0	*	W	*	2	*	W	1
3312	Steel Products from Purchased Steel	22	7	0	*	W	*	0	0	W	7.8

Table 3.2 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
3313	Alumina and Aluminum	89	54	0	*	W	*	0	0	W	3
331312	Primary Aluminum	53	47	0	*	W	*	0	0	W	0.8
3314	Nonferrous Metals, except Aluminum	26	9	*	*	W	1	0	2	W	5.7
3315	Foundries	93	33	*	*	47	*	1	10	*	3
331511	Iron Foundries	47	19	0	*	16	*	1	10	*	4.3
331521	Aluminum Die-Casting Foundries	17	5	*	*	12	*	0	0	*	3.1
331524	Aluminum Foundries, except Die-Casting	11	3	0	*	8	*	0	0	*	2.8
332	Fabricated Metal Products	182	73	W	Q	W	1	1	Q	1	15.5
333	Machinery	92	39	0	1	47	1	1	0	2	12.3
334	Computer and Electronic Products	32	18	0	*	W	W	0	0	1	7.2
334413	Semiconductors and Related Devices	3	2	0	*	1	*	0	0	0	1.5
335	Electrical Equip., Appliances, and Components	36	17	0	*	19	*	*	0	*	4.7
336	Transportation Equipment	238	94	*	1	W	2	W	0	14	12.4
336112	Light Trucks and Utility Vehicles	36	10	*	*	W	*	W	0	W	0.9
337	Furniture and Related Products	25	8	0	*	W	*	W	0	5	13.8
339	Miscellaneous	19	10	W	*	W	*	0	0	*	8.9
	Total	4,213	858	24	30	1,494	20	445	419	921	4.6

South Census Region

	RSE Column Factors:	0.9	1.1	0.9	1.3	1.1	1.8	0.7	0.7	1	
311	Food	322	78	Q	6	169	2	10	0	53	8.3
311221	Wet Corn Milling	20	4	0	*	5	*	8	0	4	0.9
31131	Sugar	57	1	1	1	10	*	2	0	42	0.9
311421	Fruit and Vegetable Canning	14	2	*	Q	11	Q	0	0	*	8.4
312	Beverage and Tobacco Products	45	12	1	Q	19	*	11	0	2	3.4
3121	Beverages	27	8	*	Q	15	*	1	0	2	3.8
3122	Tobacco	18	4	1	*	3	*	10	0	*	0.9
313	Textile Mills	168	77	1	1	52	*	22	0	15	18.4
314	Textile Product Mills	51	13	2	Q	24	W	Q	0	W	21.5
315	Apparel	15	7	*	Q	W	*	0	0	W	22.7
316	Leather and Allied Products	1	*	0	*	*	*	0	0	*	9.1
321	Wood Products	213	39	*	4	W	2	W	0	142	7
321113	Sawmills	70	11	0	2	3	*	0	0	54	9.7
3212	Veneer, Plywood, and Engineered Woods	101	20	*	1	W	1	W	0	60	8
3219	Other Wood Products	38	7	0	1	3	*	0	0	27	12.3
322	Paper	1,434	103	51	9	243	2	137	0	888	2.1
322110	Pulp Mills	194	4	10	5	W	*	W	0	156	0.9
322121	Paper Mills, except Newsprint	473	31	15	2	79	*	61	0	284	1.6
322122	Newsprint Mills	48	17	*	*	W	*	W	0	W	0.9
322130	Paperboard Mills	673	34	27	2	108	W	W	0	433	2.6
323	Printing and Related Support	28	15	W	*	W	*	0	0	*	7.6
324	Petroleum and Coal Products	1,798	76	8	6	563	7	10	0	1,128	4.4
324110	Petroleum Refineries	1,749	73	5	2	544	6	0	0	1,119	1.9
324199	Other Petroleum and Coal Products	20	*	0	*	2	*	10	0	8	2.4
325	Chemicals	2,958	341	W	6	1,336	W	218	1	988	5.8
325110	Petrochemicals	470	W	W	*	W	W	W	0	233	0.9
325120	Industrial Gases	85	37	0	W	47	*	0	0	W	4.3
325181	Alkalies and Chlorine	131	30	0	*	W	*	W	0	W	0.9
325182	Carbon Black	W	2	W	*	9	*	0	0	16	0.9
325188	Other Basic Inorganic Chemicals	114	68	W	1	W	*	W	0	11	2
325192	Cyclic Crudes and Intermediates	57	10	W	W	26	*	0	0	21	0.9
325193	Ethyl Alcohol	*	W	0	*	*	*	0	0	W	0.9
325199	Other Basic Organic Chemicals	1,087	61	12	W	395	W	W	0	474	14.8
325211	Plastics Materials and Resins	573	54	W	W	321	*	Q	0	177	3.9
325212	Synthetic Rubber	47	5	*	*	W	*	W	0	12	8.5
325222	Noncellulosic Organic Fibers	60	14	W	*	W	*	W	0	3	0.9
325311	Nitrogenous Fertilizers	137	6	0	*	128	*	0	0	2	0.9
325312	Phosphatic Fertilizers	19	2	1	1	13	*	1	1	*	1
3254	Pharmaceuticals and Medicines	25	9	1	*	8	*	0	0	6	7.9
325412	Pharmaceutical Preparation	14	6	1	*	4	*	0	0	3	12.3
325992	Photographic Film, Paper, Plate, and Chemicals	5	3	W	*	W	*	0	0	*	5.4
326	Plastics and Rubber Products	141	73	5	1	57	1	0	0	2	13.5
327	Nonmetallic Mineral Products	421	61	W	10	184	W	116	8	42	5.7
3272	Glass and Glass Products	80	17	W	W	W	*	0	0	1	2.2
327211	Flat Glass	25	3	W	W	W	W	0	0	1	0.9
327213	Glass Containers	22	4	0	*	18	*	0	0	*	0.9
327310	Cements	149	17	0	2	10	*	89	7	24	3.8

Table 3.2 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
327410	Lime	39	2	0	*	3	*	23	0	11	0.9
327993	Mineral Wool	21	5	0	*	15	*	0	1	*	3.7
331	Primary Metals	606	206	*	3	227	1	7	107	55	1.6
331111	Iron and Steel Mills	333	74	*	1	W	*	7	103	W	1.8
331112	Electrometallurgical Ferroalloy Products	4	W	0	*	W	*	0	0	W	11
3312	Steel Products from Purchased Steel	11	W	0	*	W	*	0	0	W	19.6
3313	Alumina and Aluminum	195	99	0	*	W	*	0	*	W	2.6
331312	Primary Aluminum	110	85	0	*	W	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	27	11	0	*	W	*	1	Q	W	8.1
3315	Foundries	37	14	0	*	18	*	*	4	*	1.5
331511	Iron Foundries	18	6	0	*	8	*	0	4	*	1.7
331521	Aluminum Die-Casting Foundries	4	1	0	*	3	*	0	0	*	1.7
331524	Aluminum Foundries, except Die-Casting	4	1	0	*	3	*	0	0	*	3.6
332	Fabricated Metal Products	120	52	W	1	W	2	*	0	Q	15.1
333	Machinery	43	25	0	*	17	1	0	0	*	9.9
334	Computer and Electronic Products	40	31	0	*	8	*	0	0	*	6.6
334413	Semiconductors and Related Devices	16	12	0	*	3	*	0	0	*	3.1
335	Electrical Equip., Appliances, and Components	40	21	*	*	18	1	0	0	1	10.1
336	Transportation Equipment	101	48	2	1	W	1	W	0	3	5.9
336112	Light Trucks and Utility Vehicles	19	W	0	*	W	*	0	0	1	0.9
337	Furniture and Related Products	25	11	0	*	W	1	W	0	5	18.3
339	Miscellaneous	19	10	W	*	W	*	0	0	*	15.1
	Total	8,589	1,300	107	54	3,086	58	540	116	3,327	3.4

West Census Region

RSE Column Factors:		1.2	1.2	0.7	1.4	1.3	1.9	0.6	0.5	1	
311	Food	170	34	*	7	105	Q	13	*	9	7.5
311221	Wet Corn Milling	5	W	0	W	4	W	0	0	W	3.6
31131	Sugar	W	W	*	*	W	*	13	*	3	1
311421	Fruit and Vegetable Canning	20	2	*	*	17	*	0	0	*	7.1
312	Beverage and Tobacco Products	23	6	0	*	10	*	0	0	7	3.9
3121	Beverages	23	6	0	*	10	*	0	0	7	3.9
3122	Tobacco	*	*	0	0	0	0	0	0	0	0.8
313	Textile Mills	11	3	0	0	W	W	0	0	1	9.4
314	Textile Product Mills	2	1	0	0	W	W	0	0	0	17.2
315	Apparel	8	3	0	*	W	W	0	0	*	28.7
316	Leather and Allied Products	W	*	0	*	W	0	0	0	0	29.1
321	Wood Products	93	17	*	3	15	1	0	0	56	6.8
321113	Sawmills	46	6	*	2	6	*	0	0	32	6.5
3212	Veneer, Plywood, and Engineered Woods	38	8	0	*	7	*	0	0	22	5.1
3219	Other Wood Products	8	3	0	*	2	*	0	0	Q	12
322	Paper	307	42	5	1	W	1	W	0	168	1.4
322110	Pulp Mills	W	1	W	*	W	*	0	0	W	0.8
322121	Paper Mills, except Newsprint	99	9	3	*	27	*	0	0	60	1.8
322122	Newsprint Mills	34	16	W	*	W	*	0	0	W	0.8
322130	Paperboard Mills	145	11	W	1	W	*	W	0	87	1
323	Printing and Related Support	14	6	0	*	8	*	0	0	*	17.1
324	Petroleum and Coal Products	696	17	5	2	168	9	0	0	495	8
324110	Petroleum Refineries	677	19	5	1	157	8	0	0	488	5.8
324199	Other Petroleum and Coal Products	6	-2	0	*	2	0	0	0	6	0.8
325	Chemicals	155	40	W	1	W	W	W	0	9	4.6
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	15	W	0	0	W	0	0	0	0	1.5
325181	Alkalies and Chlorine	31	6	0	*	W	*	W	0	W	0.9
325182	Carbon Black	*	*	0	0	*	*	0	0	0	0.7
325188	Other Basic Inorganic Chemicals	41	10	W	*	W	*	W	0	3	1.5
325192	Cyclic Crudes and Intermediates	*	W	0	*	W	*	0	0	W	0.8
325193	Ethyl Alcohol	2	*	0	*	1	*	0	0	1	0.8
325199	Other Basic Organic Chemicals	5	1	W	W	W	*	0	0	1	7.6
325211	Plastics Materials and Resins	4	1	0	W	W	*	0	0	1	4.7
325212	Synthetic Rubber	*	*	0	0	*	*	0	0	*	0.8
325222	Noncellulosic Organic Fibers	*	*	0	0	0	*	0	0	0	0.7
325311	Nitrogenous Fertilizers	30	2	0	*	28	*	0	0	*	0.8
325312	Phosphatic Fertilizers	8	2	0	*	6	*	0	0	*	0.8
3254	Pharmaceuticals and Medicines	9	4	0	*	5	*	0	0	*	4.1
325412	Pharmaceutical Preparation	5	2	0	*	3	*	0	0	*	5.7
325992	Photographic Film, Paper, Plate, and Chemicals	3	W	0	*	W	*	0	0	0	0.7

Table 3.2 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
326	Plastics and Rubber Products	24	15	0	*	9	*	0	0	*	13.1
327	Nonmetallic Mineral Products	178	22	W	10	W	W	67	*	14	3.6
3272	Glass and Glass Products	23	5	W	W	W	*	0	0	*	1
327211	Flat Glass	7	1	W	W	W	W	0	0	W	0.8
327213	Glass Containers	14	3	0	W	W	*	0	0	*	0.8
327310	Cements	87	9	W	2	W	*	W	*	12	1.3
327410	Lime	14	W	W	W	1	*	W	0	2	0.9
327993	Mineral Wool	5	2	0	*	3	*	0	*	*	1.1
331	Primary Metals	91	46	0	2	W	*	W	1	1	2
331111	Iron and Steel Mills	32	13	0	*	W	*	W	*	W	2.1
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	W	*	0	0	W	0.8
3312	Steel Products from Purchased Steel	W	W	0	*	W	*	0	0	*	2.6
3313	Alumina and Aluminum	31	W	0	*	W	*	0	0	W	2.9
331312	Primary Aluminum	W	W	0	*	W	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	18	8	0	2	8	*	0	0	*	4.4
3315	Foundries	W	2	0	*	W	*	*	1	*	2.4
331511	Iron Foundries	2	1	0	*	1	*	*	1	*	1.2
331521	Aluminum Die-Casting Foundries	1	*	0	0	*	*	0	0	*	12.1
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	1	*	0	0	*	2.2
332	Fabricated Metal Products	30	14	0	*	15	*	0	0	*	11.9
333	Machinery	13	7	0	*	6	*	0	0	*	10.2
334	Computer and Electronic Products	67	43	*	*	W	W	0	0	*	6.5
334413	Semiconductors and Related Devices	34	22	0	*	12	*	0	0	*	6
335	Electrical Equip., Appliances, and Components	10	3	0	*	Q	*	0	0	*	5.6
336	Transportation Equipment	36	16	0	*	18	*	0	0	1	12.8
336112	Light Trucks and Utility Vehicles	*	W	0	W	*	*	0	0	*	0.8
337	Furniture and Related Products	W	3	*	*	W	*	0	0	*	13.4
339	Miscellaneous	12	7	0	*	5	*	0	0	*	15.2
	Total	1,945	347	12	28	676	16	105	1	761	3.3

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

(b) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

(c) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(d) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(e) Examples of Liquefied Petroleum Gases ('LPG') are ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids ('NGL').

(f) 'Other' includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power.

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. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.

During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel

Table 3.2 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
---------------	------------------------	-------	--------------------	-------------------	------------------------	----------------	----------------	------	-----------------	----------	-----------------

purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2002 Manufacturing Energy Consumption Survey,' and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, 'Monthly Refinery Report' for 2002.