

Table 3.1 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Physical Units or Btu.

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)	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	67,521	2	3	560	1	8	*	90	7.6
311221	Wet Corn Milling	217	6,851	*	*	59	*	5	0	11	1.2
31131	Sugar	111	725	*	*	22	*	2	*	46	1
311421	Fruit and Vegetable Canning	47	1,960	*	*	35	*	0	0	1	12.5
312	Beverage and Tobacco Products	104	7,639	*	*	45	*	1	0	10	4.4
3121	Beverages	85	6,426	*	*	41	*	*	0	10	5.9
3122	Tobacco	19	1,213	*	*	4	*	*	0	*	1
313	Textile Mills	205	25,271	1	*	72	*	1	0	15	15.7
314	Textile Product Mills	60	4,875	*	Q	28	*	*	0	Q	21.7
315	Apparel	30	3,588	*	*	16	*	0	0	*	23.2
316	Leather and Allied Products	7	716	*	*	4	*	0	0	*	8.5
321	Wood Products	375	20,985	*	2	56	1	*	0	229	4.5
321113	Sawmills	128	5,845	*	1	10	*	0	0	92	5.4
3212	Veneer, Plywood, and Engineered Woods	167	9,619	*	*	32	1	*	0	95	5.2
3219	Other Wood Products	73	5,282	*	*	11	*	0	0	40	9
322	Paper	2,361	65,503	16	2	490	2	11	*	1,276	2
322110	Pulp Mills	224	1,579	W	1	23	*	W	0	175	1
322121	Paper Mills, except Newsprint	1,002	22,831	8	1	201	*	6	*	522	1.9
322122	Newsprint Mills	94	11,174	W	*	15	*	W	0	27	1
322130	Paperboard Mills	907	16,369	5	1	183	*	4	0	542	2.4
323	Printing and Related Support	98	14,714	*	*	45	*	0	0	1	11.6
324	Petroleum and Coal Products	3,202	37,186	4	3	854	6	1	*	2,119	3.6
324110	Petroleum Refineries	3,086	35,478	3	1	799	5	*	0	2,097	3.3
324199	Other Petroleum and Coal Products	34	-533	*	*	4	*	1	*	19	1.4
325	Chemicals	3,769	153,104	7	2	1,634	9	14	*	1,158	5.1
325110	Petrochemicals	474	W	W	*	167	W	W	0	233	1
325120	Industrial Gases	177	W	0	*	51	*	0	0	W	6.2
325181	Alkalies and Chlorine	173	12,354	*	*	92	*	1	0	16	1.4
325182	Carbon Black	42	605	2	*	9	*	0	0	16	0.9
325188	Other Basic Inorganic Chemicals	210	25,904	*	*	67	*	1	*	30	3
325192	Cyclic Crudes and Intermediates	72	3,443	*	*	36	*	0	0	23	0.9
325193	Ethyl Alcohol	60	W	0	*	29	*	1	0	W	5.7
325199	Other Basic Organic Chemicals	1,184	22,917	2	*	414	W	W	0	514	13
325211	Plastics Materials and Resins	665	21,495	*	*	339	*	1	*	214	6.7
325212	Synthetic Rubber	52	1,878	*	*	27	*	*	0	12	7.4
325222	Noncellulosic Organic Fibers	61	W	W	*	29	*	W	0	3	1.6
325311	Nitrogenous Fertilizers	205	3,496	0	*	184	*	0	0	4	0.9
325312	Phosphatic Fertilizers	27	1,025	*	*	18	*	*	*	1	1
3254	Pharmaceuticals and Medicines	121	10,715	*	*	60	*	*	0	9	5.1
325412	Pharmaceutical Preparation	84	8,312	*	*	39	*	*	0	4	6
325992	Photographic Film, Paper, Plate, and Chemicals	29	W	*	*	7	*	W	0	*	6.3
326	Plastics and Rubber Products	348	53,181	1	*	125	1	Q	0	5	9.5
327	Nonmetallic Mineral Products	1,052	41,393	*	5	410	1	14	*	133	4
3272	Glass and Glass Products	200	12,233	W	W	148	*	0	0	4	2.4
327211	Flat Glass	62	1,842	W	W	51	*	0	0	2	0.9
327213	Glass Containers	66	3,932	0	*	51	*	0	0	*	0.9
327310	Cements	409	12,471	*	1	21	*	11	*	95	2.1
327410	Lime	106	1,353	*	*	7	*	3	*	26	1
327993	Mineral Wool	51	3,750	0	*	34	*	0	*	*	2.9
331	Primary Metals	2,123	144,502	*	3	652	1	2	22	342	2.1
331111	Iron and Steel Mills	1,455	53,915	*	2	377	*	2	21	311	2.5
331112	Electrometallurgical Ferroalloy Products	24	3,555	0	*	7	*	*	*	2	2.6
3312	Steel Products from Purchased Steel	41	4,611	*	*	23	*	0	0	1	12.3
3313	Alumina and Aluminum	351	56,673	*	*	127	*	0	*	26	1.9
331312	Primary Aluminum	208	W	*	*	19	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	95	9,855	*	*	42	*	*	*	3	4.6
3315	Foundries	157	15,893	*	*	75	*	*	1	*	3.8
331511	Iron Foundries	81	8,211	0	*	27	*	*	1	*	4.7
331521	Aluminum Die-Casting Foundries	23	1,897	*	*	16	*	0	0	*	2.4
331524	Aluminum Foundries, except Die-Casting	19	1,350	*	*	14	*	0	0	*	4.8
332	Fabricated Metal Products	387	47,123	*	1	204	1	*	*	2	17.1
333	Machinery	175	24,563	*	*	80	1	*	0	4	11.5

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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)	RSE Row Factors
334	Computer and Electronic Products	200	38,352	*	*	63	*	*	0	2	17.7
334413	Semiconductors and Related Devices	66	13,001	*	*	21	*	0	0	Q	3.9
335	Electrical Equip., Appliances, and Components	103	13,901	*	*	51	*	*	0	1	6.7
336	Transportation Equipment	424	50,508	1	1	197	1	*	0	28	5.9
336112	Light Trucks and Utility Vehicles	57	W	*	*	35	*	W	0	3	1
337	Furniture and Related Products	63	7,062	*	*	24	*	*	0	11	10.1
339	Miscellaneous	71	10,374	*	*	31	*	0	0	2	9.3
	Total	16,276	832,061	34	24	5,641	26	53	23	5,431	3
Northeast Census Region											
RSE Column Factors:		1	1.1	1	1.5	1	1.8	0.8	0.6	0.8	
311	Food	90	6,440	1	1	53	*	*	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	342	*	*	3	*	0	0	*	10.9
312	Beverage and Tobacco Products	13	1,000	*	*	7	*	0	0	1	4.9
3121	Beverages	12	W	*	W	W	W	0	0	1	5.4
3122	Tobacco	1	W	*	W	W	W	0	0	*	0.9
313	Textile Mills	24	1,337	*	*	13	*	0	0	*	25.4
314	Textile Product Mills	4	425	*	*	2	*	*	0	*	4.3
315	Apparel	6	567	0	*	4	*	0	0	0	27.6
316	Leather and Allied Products	W	111	*	*	W	*	0	0	*	11
321	Wood Products	22	1,319	*	*	4	*	0	0	11	12.7
321113	Sawmills	7	380	*	*	*	*	0	0	4	5.7
3212	Veneer, Plywood, and Engineered Woods	5	316	*	*	2	*	0	0	2	11.8
3219	Other Wood Products	10	682	*	*	2	*	0	0	5	20.3
322	Paper	284	8,114	6	*	W	*	W	0	127	3.8
322110	Pulp Mills	W	37	W	0	W	*	0	0	0	8.4
322121	Paper Mills, except Newsprint	218	2,891	4	*	46	*	1	0	118	3.2
322122	Newsprint Mills	7	W	W	*	0	0	0	0	0	0.9
322130	Paperboard Mills	28	983	1	*	W	W	W	0	W	2.7
323	Printing and Related Support	23	3,164	W	*	W	*	0	0	*	15
324	Petroleum and Coal Products	223	3,103	1	1	43	*	*	*	153	3.2
324110	Petroleum Refineries	202	2,585	*	*	35	*	*	0	151	1.5
324199	Other Petroleum and Coal Products	4	71	*	*	*	*	*	*	1	1
325	Chemicals	163	12,367	W	1	W	*	W	0	21	7.4
325110	Petrochemicals	W	19	0	*	W	0	0	0	0	1.8
325120	Industrial Gases	9	1,961	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	963	W	*	W	*	0	0	Q	2.8
325192	Cyclic Crudes and Intermediates	6	205	W	*	W	*	0	0	W	0.9
325193	Ethyl Alcohol	*	W	0	0	*	0	0	0	W	1
325199	Other Basic Organic Chemicals	17	764	W	*	W	*	0	0	6	8.2
325211	Plastics Materials and Resins	14	1,010	W	*	W	*	0	0	3	12.9
325212	Synthetic Rubber	1	50	0	*	*	*	0	0	*	0.9
325222	Noncellulosic Organic Fibers	*	W	W	0	W	*	0	0	*	5.8
325311	Nitrogenous Fertilizers	2	74	0	*	1	*	0	0	*	0.9
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	43	2,814	W	*	W	*	0	0	2	7.6
325412	Pharmaceutical Preparation	31	2,166	*	*	20	*	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	7,558	*	*	14	*	*	0	1	8.4
327	Nonmetallic Mineral Products	151	6,575	W	1	W	*	2	*	18	5.2
3272	Glass and Glass Products	40	2,089	W	W	W	*	0	0	2	3.6
327211	Flat Glass	11	321	0	W	W	W	0	0	W	0.9
327213	Glass Containers	13	751	0	W	W	*	0	0	*	0.9
327310	Cements	56	1,648	W	W	*	*	W	*	14	1
327410	Lime	6	W	0	W	*	W	W	0	1	0.9
327993	Mineral Wool	5	346	0	*	3	*	0	*	*	3.3
331	Primary Metals	241	15,021	*	*	W	*	W	1	71	5.8
331111	Iron and Steel Mills	152	6,071	0	*	W	*	W	1	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	15.3

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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	1,634	*	*	W	*	*	*	W	4.1
3315	Foundries	W	1,284	*	*	W	*	*	*	*	4.3
331511	Iron Foundries	13	607	0	*	3	*	*	*	*	5.3
331521	Aluminum Die-Casting Foundries	1	52	0	*	*	*	0	0	*	3.4
331524	Aluminum Foundries, except Die-Casting	3	209	*	*	2	*	0	0	*	1.4
332	Fabricated Metal Products	55	6,449	W	*	W	*	*	*	1	19
333	Machinery	27	3,692	*	*	12	*	0	0	Q	14.8
334	Computer and Electronic Products	61	11,167	*	*	20	*	*	0	1	30.4
334413	Semiconductors and Related Devices	14	2,390	*	*	5	*	0	0	Q	2.3
335	Electrical Equip., Appliances, and Components	17	2,013	*	*	9	*	0	0	*	15.9
336	Transportation Equipment	49	4,026	1	*	20	*	0	0	11	4.8
336112	Light Trucks and Utility Vehicles	2	W	0	W	W	*	0	0	W	0.9
337	Furniture and Related Products	W	831	0	*	W	*	0	0	1	12.3
339	Miscellaneous	21	2,521	W	*	W	*	0	0	2	13.5
	Total	1,530	97,798	11	5	523	2	4	2	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	28,311	1	*	240	*	7	*	24	10.7
311221	Wet Corn Milling	191	5,846	W	*	51	W	5	0	6	0.9
31131	Sugar	29	379	*	*	5	*	1	*	*	1
311421	Fruit and Vegetable Canning	7	397	*	*	5	*	0	0	*	3.1
312	Beverage and Tobacco Products	22	1,391	*	*	10	*	*	0	1	3.4
3121	Beverages	22	W	*	W	W	W	*	0	1	3.4
3122	Tobacco	*	W	0	W	W	W	0	0	*	0.8
313	Textile Mills	3	310	0	*	W	W	0	0	*	6.5
314	Textile Product Mills	2	307	0	0	W	W	0	0	W	9.4
315	Apparel	1	193	0	0	W	W	0	0	W	13.9
316	Leather and Allied Products	4	428	0	*	3	*	0	0	*	13.3
321	Wood Products	47	3,050	*	*	W	*	W	0	20	5.2
321113	Sawmills	5	428	0	*	1	*	0	0	3	9.5
3212	Veneer, Plywood, and Engineered Woods	23	1,026	*	*	W	*	W	0	11	3.4
3219	Other Wood Products	17	1,558	0	*	5	*	0	0	Q	11.7
322	Paper	337	14,825	1	*	97	Q	4	*	93	3.4
322110	Pulp Mills	W	119	0	*	W	*	W	0	W	0.9
322121	Paper Mills, except Newsprint	212	8,153	1	*	51	*	3	*	60	2.3
322122	Newsprint Mills	4	W	0	*	W	*	W	0	W	0.9
322130	Paperboard Mills	60	2,452	W	*	W	W	W	0	W	6.1
323	Printing and Related Support	34	5,171	0	*	14	*	0	0	1	13.4
324	Petroleum and Coal Products	485	6,758	1	*	100	2	0	0	344	4.4
324110	Petroleum Refineries	457	6,047	1	*	82	1	0	0	339	2.5
324199	Other Petroleum and Coal Products	4	60	0	*	*	*	0	0	4	0.8
325	Chemicals	493	29,236	W	*	183	W	3	*	141	7.3
325110	Petrochemicals	W	W	0	*	W	W	0	0	*	0.8
325120	Industrial Gases	Q	6,276	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	56	W	0	1	*	0	0	1	0.9
325188	Other Basic Inorganic Chemicals	42	2,116	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	1,218	0	*	28	*	1	0	6	5.6
325199	Other Basic Organic Chemicals	74	4,042	0	W	19	*	W	0	Q	2.9
325211	Plastics Materials and Resins	75	4,322	W	*	W	*	*	*	33	3.6
325212	Synthetic Rubber	4	233	0	*	W	*	W	0	*	3.4
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	36	1,070	0	*	30	0	0	0	1	0.9
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	44	4,089	W	*	W	*	*	0	1	6.7
325412	Pharmaceutical Preparation	34	3,612	*	*	12	*	*	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	19,776	*	*	47	*	Q	0	1	12.3
327	Nonmetallic Mineral Products	303	10,674	W	Q	W	*	4	*	59	5.2
3272	Glass and Glass Products	58	3,618	0	*	43	*	0	0	1	1.5

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327211	Flat Glass	19	469	0	*	16	*	0	0	1	0.8
327213	Glass Containers	16	978	0	W	W	*	0	0	*	0.8
327310	Cements	117	3,036	0	W	W	*	2	*	45	3.6
327410	Lime	48	487	W	*	4	W	1	*	12	1
327993	Mineral Wool	20	1,427	0	*	13	*	0	*	*	1.3
331	Primary Metals	1,186	55,534	*	1	326	*	1	17	215	2
331111	Iron and Steel Mills	937	22,557	*	1	217	*	1	16	209	2.3
331112	Electrometallurgical Ferroalloy Products	19	2,337	0	*	W	*	*	*	W	1
3312	Steel Products from Purchased Steel	22	2,160	0	*	W	*	0	0	W	7.8
3313	Alumina and Aluminum	89	15,954	0	*	W	*	0	0	W	3
331312	Primary Aluminum	53	13,892	0	*	W	*	0	0	W	0.8
3314	Nonferrous Metals, except Aluminum	26	2,716	*	*	W	*	0	*	W	5.7
3315	Foundries	93	9,810	*	*	46	*	*	*	*	3
331511	Iron Foundries	47	5,634	0	*	16	*	*	*	*	4.3
331521	Aluminum Die-Casting Foundries	17	1,510	*	*	12	*	0	0	*	3.1
331524	Aluminum Foundries, except Die-Casting	11	828	0	*	8	*	0	0	*	2.8
332	Fabricated Metal Products	182	21,313	W	*	W	*	*	*	1	15.5
333	Machinery	92	11,445	0	*	46	*	*	0	2	12.3
334	Computer and Electronic Products	32	5,270	0	*	W	W	0	0	1	7.2
334413	Semiconductors and Related Devices	3	594	0	*	1	*	0	0	0	1.5
335	Electrical Equip., Appliances, and Components	36	4,949	0	*	18	*	*	0	*	4.7
336	Transportation Equipment	238	27,614	*	*	W	1	W	0	14	12.4
336112	Light Trucks and Utility Vehicles	36	3,047	*	*	W	*	W	0	W	0.9
337	Furniture and Related Products	25	2,242	0	*	W	*	W	0	5	13.8
339	Miscellaneous	19	2,786	W	*	W	*	0	0	*	8.9
	Total	4,213	251,584	4	5	1,455	5	20	17	921	4.6
South Census Region											
	RSE Column Factors:	0.9	1.1	0.9	1.3	1	1.8	0.7	0.7	1	
311	Food	322	22,923	Q	1	165	1	*	0	53	8.3
311221	Wet Corn Milling	20	1,070	0	*	5	*	*	0	4	0.9
31131	Sugar	57	205	*	*	10	*	*	0	42	0.9
311421	Fruit and Vegetable Canning	14	534	*	*	10	*	0	0	*	8.5
312	Beverage and Tobacco Products	45	3,457	*	*	18	*	*	0	2	3.4
3121	Beverages	27	2,283	*	*	15	*	*	0	2	3.8
3122	Tobacco	18	1,174	*	*	3	*	*	0	*	0.9
313	Textile Mills	168	22,688	*	*	50	*	1	0	15	18.4
314	Textile Product Mills	51	3,928	*	*	23	W	*	0	W	21.6
315	Apparel	15	1,956	*	*	W	*	0	0	W	22.8
316	Leather and Allied Products	1	142	0	*	*	*	0	0	*	9.2
321	Wood Products	213	11,501	*	1	W	1	W	0	142	7
321113	Sawmills	70	3,159	0	*	3	*	0	0	54	9.8
3212	Veneer, Plywood, and Engineered Woods	101	5,985	*	*	W	*	W	0	60	8
3219	Other Wood Products	38	2,166	0	*	3	*	0	0	27	12.4
322	Paper	1,434	30,148	8	2	236	*	6	0	888	2.1
322110	Pulp Mills	194	1,155	2	1	W	*	W	0	156	0.9
322121	Paper Mills, except Newsprint	473	9,124	2	*	77	*	3	0	284	1.6
322122	Newsprint Mills	48	4,866	*	*	W	*	W	0	W	0.9
322130	Paperboard Mills	673	9,828	4	*	105	W	W	0	433	2.6
323	Printing and Related Support	28	4,527	W	*	W	*	0	0	*	7.7
324	Petroleum and Coal Products	1,798	22,236	1	1	548	2	*	0	1,128	4.4
324110	Petroleum Refineries	1,749	21,420	1	*	529	2	0	0	1,119	1.9
324199	Other Petroleum and Coal Products	20	16	0	*	2	*	*	0	8	2.4
325	Chemicals	2,958	99,875	W	1	1,301	W	10	*	988	5.8
325110	Petrochemicals	470	W	W	*	W	W	W	0	233	0.9
325120	Industrial Gases	85	10,880	0	W	46	*	0	0	W	4.3
325181	Alkalies and Chlorine	131	8,681	0	*	W	*	W	0	W	0.9
325182	Carbon Black	W	549	W	*	9	*	0	0	16	0.9
325188	Other Basic Inorganic Chemicals	114	19,919	W	*	W	*	W	0	11	2
325192	Cyclic Crudes and Intermediates	57	2,980	W	W	25	*	0	0	21	0.9
325193	Ethyl Alcohol	*	W	0	*	*	*	0	0	W	0.9
325199	Other Basic Organic Chemicals	1,087	17,815	2	W	385	W	W	0	474	14.9
325211	Plastics Materials and Resins	573	15,824	W	W	312	*	Q	0	177	4
325212	Synthetic Rubber	47	1,577	*	*	W	*	W	0	12	8.5

Table 3.1 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Physical Units or Btu.

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)	RSE Row Factors
325120	Industrial Gases	15	W	0	0	W	0	0	0	0	1.5
325181	Alkalies and Chlorine	31	1,785	0	*	W	*	W	0	W	0.9
325182	Carbon Black	*	*	0	0	*	*	0	0	0	0.7
325188	Other Basic Inorganic Chemicals	41	2,907	W	*	W	*	W	0	3	1.5
325192	Cyclic Crudes and Intermediates	*	W	0	*	W	*	0	0	W	0.8
325193	Ethyl Alcohol	2	47	0	*	1	*	0	0	1	0.8
325199	Other Basic Organic Chemicals	5	296	W	W	W	*	0	0	1	7.6
325211	Plastics Materials and Resins	4	340	0	W	W	*	0	0	1	4.7
325212	Synthetic Rubber	*	18	0	0	*	*	0	0	*	0.8
325222	Noncellulosic Organic Fibers	*	2	0	0	0	*	0	0	0	0.7
325311	Nitrogenous Fertilizers	30	463	0	*	28	*	0	0	*	0.8
325312	Phosphatic Fertilizers	8	500	0	*	6	*	0	0	*	0.8
3254	Pharmaceuticals and Medicines	9	1,071	0	*	5	*	0	0	*	4.1
325412	Pharmaceutical Preparation	5	665	0	*	3	*	0	0	*	5.7
325992	Photographic Film, Paper, Plate, and Chemicals	3	W	0	*	W	*	0	0	0	0.7
326	Plastics and Rubber Products	24	4,393	0	*	8	*	0	0	*	13.2
327	Nonmetallic Mineral Products	178	6,406	W	2	W	W	3	*	14	3.6
3272	Glass and Glass Products	23	1,431	W	W	W	*	0	0	*	1
327211	Flat Glass	7	212	W	W	W	W	0	0	W	0.8
327213	Glass Containers	14	970	0	W	W	*	0	0	*	0.8
327310	Cements	87	2,782	W	*	W	*	W	*	12	1.3
327410	Lime	14	W	W	W	1	*	W	0	2	0.9
327993	Mineral Wool	5	528	0	*	3	*	0	*	*	1.1
331	Primary Metals	91	13,481	0	*	W	*	W	*	1	2
331111	Iron and Steel Mills	32	3,672	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	2,299	0	*	8	*	0	0	*	4.4
3315	Foundries	W	720	0	*	W	*	*	*	*	2.4
331511	Iron Foundries	2	166	0	*	1	*	*	*	*	1.2
331521	Aluminum Die-Casting Foundries	1	61	0	0	*	*	0	0	*	12.1
331524	Aluminum Foundries, except Die-Casting	1	69	0	*	1	*	0	0	*	2.2
332	Fabricated Metal Products	30	4,121	0	*	15	*	0	0	*	11.9
333	Machinery	13	2,153	0	*	6	*	0	0	*	10.2
334	Computer and Electronic Products	67	12,736	*	*	W	W	0	0	*	6.5
334413	Semiconductors and Related Devices	34	6,376	0	*	12	*	0	0	*	6
335	Electrical Equip., Appliances, and Components	10	912	0	*	Q	*	0	0	*	5.6
336	Transportation Equipment	36	4,733	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	807	*	*	W	*	0	0	*	13.4
339	Miscellaneous	12	2,026	0	*	5	*	0	0	*	15.2
	Total	1,945	101,565	2	5	658	4	5	*	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.

Table 3.1 Fuel Consumption, 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Physical Units or Btu.

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)	RSE Row Factors
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* 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 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.