

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources and Shipments;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
Total United States												
	RSE Column Factors:	0.9	1	1.2	1.8	1	1.6	0.8	0.9	1.2	0.4	
311	Food	1,123	230	13	19	582	5	184	1	89	0	6.8
311221	Wet Corn Milling	217	23	*	*	61	*	121	0	11	0	1.1
31131	Sugar	112	2	2	1	22	*	37	1	46	0	0.9
311421	Fruit and Vegetable Canning	47	7	1	1	36	Q	0	0	1	0	11
312	Beverage and Tobacco Products	105	26	2	2	46	1	17	0	11	0	4
3121	Beverages	85	22	1	2	42	1	8	0	10	0	5.4
3122	Tobacco	20	4	1	*	4	*	10	0	1	0	0.9
313	Textile Mills	207	86	4	2	75	2	22	0	15	0	14.3
314	Textile Product Mills	60	17	2	Q	29	1	Q	0	Q	0	20.1
315	Apparel	30	12	*	1	16	*	0	0	*	0	21.4
316	Leather and Allied Products	7	2	*	*	4	*	0	0	*	0	7.8
321	Wood Products	377	72	1	13	57	5	1	0	228	0	4.1
321113	Sawmills	127	20	*	6	10	1	0	0	91	0	4.7
3212	Veneer, Plywood, and Engineered Woods	167	33	1	2	33	3	1	0	95	0	4.7
3219	Other Wood Products	73	18	*	2	11	1	0	0	40	0	8.2
322	Paper	2,363	223	100	13	504	6	236	4	1,276	0	1.8
322110	Pulp Mills	224	5	W	5	24	*	W	0	175	0	0.9
322121	Paper Mills, except Newsprint	1,002	78	47	4	206	1	139	4	523	0	1.7
322122	Newsprint Mills	94	38	W	*	16	*	W	0	27	0	0.9
322130	Paperboard Mills	908	56	34	4	188	*	84	0	542	0	2.1
323	Printing and Related Support	98	50	*	*	46	1	0	0	1	0	10.6
324	Petroleum and Coal Products	6,799	127	25	19	878	24	Q	2	5,520	83	3.4
324110	Petroleum Refineries	6,391	121	21	5	821	20	*	0	5,404	0	3
324199	Other Petroleum and Coal Products	Q	-2	*	*	5	*	Q	2	108	81	1.3
325	Chemicals	6,465	522	87	14	2,307	3,001	344	6	687	504	5.3
325110	Petrochemicals	889	W	W	*	209	932	W	0	80	368	1.2
325120	Industrial Gases	204	W	0	*	W	W	0	0	Q	0	3.1
325181	Alkalies and Chlorine	191	42	*	*	W	W	20	0	15	W	1.3
325182	Carbon Black	88	2	57	*	20	*	0	0	9	0	0.8
325188	Other Basic Inorganic Chemicals	218	88	2	2	77	11	19	2	17	*	1.8
325192	Cyclic Crudes and Intermediates	99	12	*	*	43	19	*	0	24	0	0.9
325193	Ethyl Alcohol	60	W	0	*	30	*	19	0	7	W	4.6
325199	Other Basic Organic Chemicals	1,833	78	W	2	587	719	W	0	370	98	6.9
325211	Plastics Materials and Resins	1,821	73	1	1	414	1,284	27	*	54	34	4.5
325212	Synthetic Rubber	57	6	*	*	29	5	5	0	12	*	4.3
325222	Noncellulosic Organic Fibers	63	W	2	*	31	*	W	0	5	0	1.5
325311	Nitrogenous Fertilizers	497	12	0	*	484	*	*	0	1	0	0.9
325312	Phosphatic Fertilizers	38	3	1	1	30	*	*	1	1	0	0.9
3254	Pharmaceuticals and Medicines	119	37	2	3	62	*	9	0	7	0	4.7
325412	Pharmaceutical Preparation	84	28	2	1	40	*	9	0	4	0	5.5
325992	Photographic Film, Paper, Plate, and Chemicals	29	W	1	*	7	*	W	0	*	0	5.8
326	Plastics and Rubber Products	351	181	7	2	128	6	Q	0	5	0	9.8
327	Nonmetallic Mineral Products	1,059	141	3	34	422	3	309	11	136	0	3.6
3272	Glass and Glass Products	201	42	W	W	153	1	*	0	5	0	2.1
327211	Flat Glass	63	6	W	W	52	*	*	0	3	0	0.9
327213	Glass Containers	66	13	0	*	52	*	0	0	*	0	0.8
327310	Cements	409	43	1	6	21	*	236	8	95	0	1.8
327410	Lime	106	5	1	1	8	*	66	*	26	0	0.9

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources and Shipments;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
327993	Mineral Wool	52	13	0	*	35	*	0	3	*	0	2.4
331	Primary Metals	2,120	493	1	15	704	3	515	355	178	143	1.8
331111	Iron and Steel Mills	1,308	184	1	10	417	*	498	319	23	143	2
331112	Electrometallurgical Ferroalloy Products	27	12	0	*	7	*	5	*	2	0	3.4
3312	Steel Products from Purchased Steel	45	16	*	*	24	*	*	*	Q	0	9.5
3313	Alumina and Aluminum	473	193	*	1	135	1	*	*	143	0	1.6
331312	Primary Aluminum	325	W	*	*	20	*	*	0	W	0	0.9
3314	Nonferrous Metals, except Aluminum	101	34	*	2	44	1	9	8	5	0	3.7
3315	Foundries	165	54	*	1	77	1	2	28	1	0	3
331511	Iron Foundries	87	28	0	1	27	*	1	28	1	0	3.5
331521	Aluminum Die-Casting Foundries	23	6	*	*	16	*	0	0	*	0	2.2
331524	Aluminum Foundries, except Die-Casting	19	5	*	*	14	*	0	0	*	0	4.3
332	Fabricated Metal Products	388	161	Q	6	210	3	1	Q	3	0	15.3
333	Machinery	177	84	*	3	82	3	1	0	4	0	10.2
334	Computer and Electronic Products	201	131	1	1	65	*	*	0	3	0	15.7
334413	Semiconductors and Related Devices	67	44	*	*	21	*	0	0	1	0	4.7
335	Electrical Equip., Appliances, and Components	172	47	*	1	53	1	*	*	70	0	8.2
336	Transportation Equipment	429	172	6	4	203	4	8	Q	30	0	5.1
336112	Light Trucks and Utility Vehicles	57	W	*	1	36	*	W	0	3	0	0.9
337	Furniture and Related Products	64	24	*	1	25	1	1	0	11	0	9.5
339	Miscellaneous	71	35	*	1	32	1	0	0	2	0	8.3
	Total	22,666	2,839	255	152	6,468	3,070	1,956	385	8,271	730	2.4
Northeast Census Region												
	RSE Column Factors:	1.2	1.3	1.1	1.8	1.1	1.8	0.7	0.8	1.1	0.3	
311	Food	92	22	5	W	56	W	2	0	W	0	20.1
311221	Wet Corn Milling	*	W	*	*	0	0	0	0	*	0	0.8
31131	Sugar	W	W	*	*	W	*	0	0	*	0	0.8
311421	Fruit and Vegetable Canning	W	1	Q	*	3	W	0	0	*	0	9.3
312	Beverage and Tobacco Products	13	3	1	*	7	*	0	0	1	0	4.2
3121	Beverages	12	W	1	W	W	W	0	0	1	0	4.6
3122	Tobacco	1	W	*	W	W	W	0	0	*	0	0.8
313	Textile Mills	W	5	3	1	14	W	0	0	*	0	21.7
314	Textile Product Mills	W	1	W	W	2	W	W	0	W	0	3.8
315	Apparel	W	2	0	*	W	W	0	0	0	0	23.5
316	Leather and Allied Products	W	*	*	*	1	*	0	0	*	0	9.6
321	Wood Products	22	4	*	2	4	W	0	0	11	0	10.9
321113	Sawmills	7	1	*	2	*	*	0	0	4	0	4.8
3212	Veneer, Plywood, and Engineered Woods	5	1	*	*	2	*	0	0	2	0	10
3219	Other Wood Products	10	2	*	1	2	W	0	0	5	0	17.1
322	Paper	284	28	37	W	73	W	W	0	127	0	3.3
322110	Pulp Mills	W	*	W	*	W	*	0	0	0	0	4.6
322121	Paper Mills, except Newsprint	218	10	25	1	48	1	15	0	118	0	2.8
322122	Newsprint Mills	7	W	W	*	0	0	0	0	0	0	0.8
322130	Paperboard Mills	28	3	W	W	W	W	W	0	W	0	2.4
323	Printing and Related Support	W	11	W	*	12	W	0	0	W	0	13.3
324	Petroleum and Coal Products	527	11	4	W	44	W	W	1	429	5	3.4
324110	Petroleum Refineries	477	9	3	1	36	1	*	0	427	0	1.4
324199	Other Petroleum and Coal Products	W	*	*	*	W	*	W	1	*	5	1
325	Chemicals	182	42	W	W	73	W	W	0	W	*	4.5

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325110	Petrochemicals	W	*	0	*	*	0	0	0	*	0	1.5
325120	Industrial Gases	W	7	0	*	W	0	0	0	W	0	0.8
325181	Alkalies and Chlorine	W	W	*	*	*	W	0	0	W	0	0.8
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	W	3	W	1	6	W	0	0	W	0	2.5
325192	Cyclic Crudes and Intermediates	6	1	W	W	4	*	0	0	W	0	0.8
325193	Ethyl Alcohol	*	W	0	0	*	0	0	0	*	0	0.9
325199	Other Basic Organic Chemicals	W	3	W	*	7	W	0	0	W	0	5.4
325211	Plastics Materials and Resins	W	3	W	*	6	W	0	0	W	*	6.6
325212	Synthetic Rubber	W	*	0	*	*	W	0	0	W	0	0.7
325222	Noncellulosic Organic Fibers	*	W	W	0	*	W	0	0	*	0	5
325311	Nitrogenous Fertilizers	2	*	0	*	1	W	0	0	*	0	0.7
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	W	10	1	*	30	W	0	0	2	0	6.2
325412	Pharmaceutical Preparation	W	7	1	*	21	W	0	0	1	0	8.8
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	W	*	3	W	W	0	*	0	3.8
326	Plastics and Rubber Products	46	26	2	W	14	W	W	0	W	0	7.5
327	Nonmetallic Mineral Products	151	22	W	W	63	W	42	1	18	0	4.5
3272	Glass and Glass Products	40	7	W	W	30	W	*	0	W	0	2.7
327211	Flat Glass	11	1	0	W	9	*	*	0	W	0	0.8
327213	Glass Containers	13	3	0	*	10	*	0	0	*	0	0.7
327310	Cements	56	6	W	W	*	*	W	1	14	0	0.9
327410	Lime	W	W	0	*	*	W	W	0	1	0	0.8
327993	Mineral Wool	W	1	0	*	3	*	0	*	*	0	2.4
331	Primary Metals	W	51	*	W	W	1	W	12	W	114	5.4
331111	Iron and Steel Mills	W	21	0	W	W	W	W	*	W	114	3.4
331112	Electrometallurgical Ferroalloy Products	W	W	0	W	W	*	W	0	W	0	0.8
3312	Steel Products from Purchased Steel	W	W	*	W	W	W	*	*	W	0	13.4
3313	Alumina and Aluminum	W	W	*	W	W	*	0	0	W	0	1
331312	Primary Aluminum	W	W	*	*	W	*	0	0	W	0	0.8
3314	Nonferrous Metals, except Aluminum	W	6	*	W	W	*	7	3	W	0	3.6
3315	Foundries	W	4	*	*	7	*	*	Q	*	0	3.7
331511	Iron Foundries	W	2	0	*	3	*	*	Q	*	0	4.6
331521	Aluminum Die-Casting Foundries	1	*	0	*	*	*	0	0	*	0	2.9
331524	Aluminum Foundries, except Die-Casting	3	1	*	*	2	*	0	0	*	0	1.3
332	Fabricated Metal Products	55	22	W	W	29	W	W	*	W	0	16
333	Machinery	W	13	*	*	12	W	0	0	W	0	14.1
334	Computer and Electronic Products	62	38	1	1	21	*	*	0	1	0	26.1
334413	Semiconductors and Related Devices	14	8	*	*	5	*	0	0	1	0	3.1
335	Electrical Equip., Appliances, and Components	W	7	*	*	10	W	0	0	*	0	13.4
336	Transportation Equipment	49	14	4	*	20	*	0	0	11	0	4.8
336112	Light Trucks and Utility Vehicles	2	W	0	W	W	*	0	0	W	0	0.7
337	Furniture and Related Products	W	3	0	W	3	W	0	0	W	0	10.5
339	Miscellaneous	W	9	*	1	10	W	0	0	W	0	11.4
	Total	1,874	334	68	30	541	27	329	14	651	119	3.6
Midwest Census Region												
	RSE Column Factors:	1.2	1.1	1.1	1.4	1.3	1.8	0.5	0.8	1.2	0.4	
311	Food	538	97	4	2	252	1	159	1	23	0	9.6
311221	Wet Corn Milling	191	20	*	*	52	*	113	0	6	0	0.9

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NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
31131	Sugar	30	1	1	*	5	*	21	1	*	0	0.9
311421	Fruit and Vegetable Canning	7	1	*	*	5	*	0	0	*	0	2.9
312	Beverage and Tobacco Products	23	5	*	Q	10	*	6	0	1	0	4.1
3121	Beverages	22	W	*	W	W	W	6	0	1	0	4.1
3122	Tobacco	1	W	0	W	W	W	0	0	1	0	0.8
313	Textile Mills	W	1	0	*	1	W	0	0	*	0	6.3
314	Textile Product Mills	W	1	0	0	1	W	0	0	W	0	9.1
315	Apparel	W	1	0	0	1	*	0	0	*	0	12.9
316	Leather and Allied Products	4	1	0	*	3	*	0	0	*	0	12.8
321	Wood Products	47	10	W	W	13	1	W	0	20	0	4.8
321113	Sawmills	6	1	*	*	1	*	0	0	3	0	6.6
3212	Veneer, Plywood, and Engineered Woods	23	4	W	W	6	1	W	0	11	0	3.2
3219	Other Wood Products	17	5	0	*	5	*	0	0	Q	0	11.4
322	Paper	338	51	7	1	100	Q	81	4	93	0	3
322110	Pulp Mills	W	*	0	W	W	*	W	0	W	0	0.9
322121	Paper Mills, except Newsprint	212	28	5	1	52	*	63	4	60	0	2.1
322122	Newsprint Mills	4	W	0	*	W	*	W	0	W	0	0.9
322130	Paperboard Mills	62	8	W	W	W	W	W	0	W	0	5.6
323	Printing and Related Support	34	18	0	*	15	*	0	0	1	0	12.9
324	Petroleum and Coal Products	888	23	9	3	102	6	0	0	762	17	4.2
324110	Petroleum Refineries	858	21	8	1	84	5	0	0	740	0	2.3
324199	Other Petroleum and Coal Products	W	*	0	*	1	*	0	0	20	15	0.9
325	Chemicals	664	100	W	W	247	W	69	Q	W	16	4.8
325110	Petrochemicals	W	W	0	*	2	W	0	0	*	W	0.9
325120	Industrial Gases	W	21	0	0	W	0	0	0	W	0	1.2
325181	Alkalies and Chlorine	W	W	0	*	1	W	W	0	*	0	4
325182	Carbon Black	W	*	W	0	W	*	0	0	*	0	0.8
325188	Other Basic Inorganic Chemicals	45	7	W	*	W	W	W	*	6	*	2
325192	Cyclic Crudes and Intermediates	W	W	W	*	6	*	0	0	*	0	0.8
325193	Ethyl Alcohol	58	4	0	*	28	*	19	0	W	W	4.7
325199	Other Basic Organic Chemicals	75	14	0	*	20	W	W	0	W	W	2.6
325211	Plastics Materials and Resins	W	15	W	*	20	W	W	*	W	W	2.4
325212	Synthetic Rubber	W	1	0	*	1	W	W	0	W	0	1.6
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	88	4	0	*	83	0	0	0	1	0	0.8
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	W	14	*	2	18	W	9	0	1	0	6.2
325412	Pharmaceutical Preparation	W	12	*	*	13	W	9	0	*	0	2.4
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	0	0	*	W	0	0	0	0	3.3
326	Plastics and Rubber Products	140	67	1	*	48	W	W	0	W	0	13.2
327	Nonmetallic Mineral Products	304	36	W	9	112	W	85	2	59	0	4.7
3272	Glass and Glass Products	58	12	0	W	44	W	0	0	W	0	1.4
327211	Flat Glass	19	2	0	W	16	*	0	0	W	0	0.8
327213	Glass Containers	16	3	0	*	13	*	0	0	*	0	0.8
327310	Cements	117	10	0	1	6	*	55	*	45	0	3.3
327410	Lime	48	2	W	*	4	W	30	*	12	0	0.9
327993	Mineral Wool	20	5	0	*	14	*	0	1	*	0	1.2
331	Primary Metals	1,085	189	*	8	363	1	246	246	58	27	1.9
331111	Iron and Steel Mills	799	77	*	W	251	W	242	230	W	27	2
331112	Electrometallurgical Ferroalloy Products	W	8	0	W	7	*	2	*	W	0	0.9
3312	Steel Products from Purchased Steel	W	7	0	W	14	W	*	0	W	0	9.3
3313	Alumina and Aluminum	W	54	0	*	31	*	0	0	W	0	2.9

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NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
331312	Primary Aluminum	W	47	0	*	W	*	0	0	W	0	0.8
3314	Nonferrous Metals, except Aluminum	W	9	*	W	13	1	*	3	W	0	4.2
3315	Foundries	W	33	*	*	47	*	1	12	1	0	2.5
331511	Iron Foundries	W	19	0	*	16	*	1	12	1	0	3.5
331521	Aluminum Die-Casting Foundries	17	5	*	*	12	*	0	0	*	0	2.8
331524	Aluminum Foundries, except Die-Casting	11	3	0	*	8	*	0	0	*	0	2.7
332	Fabricated Metal Products	183	73	W	W	100	W	W	Q	W	0	14.4
333	Machinery	92	39	0	2	47	W	1	0	W	0	11.4
334	Computer and Electronic Products	32	18	0	*	13	*	0	0	1	0	7
334413	Semiconductors and Related Devices	3	2	0	*	1	*	0	0	*	0	1.3
335	Electrical Equip., Appliances, and Components	37	17	*	*	19	*	*	0	*	0	7
336	Transportation Equipment	241	94	*	W	120	2	W	Q	15	0	11.5
336112	Light Trucks and Utility Vehicles	36	10	*	W	24	*	W	0	W	0	0.9
337	Furniture and Related Products	25	8	0	W	12	W	W	0	W	0	13.1
339	Miscellaneous	19	10	*	*	9	*	0	0	*	0	6.9
	Total	4,702	858	W	W	1,588	164	676	261	1,152	60	3.6
South Census Region												
	RSE Column Factors:	1.1	1.3	1.1	1.6	1.2	1.9	0.8	0.6	1.1	0.4	
311	Food	323	78	Q	6	169	2	10	0	53	0	7.2
311221	Wet Corn Milling	20	4	0	*	5	*	8	0	4	0	0.8
31131	Sugar	57	1	1	1	10	*	2	0	42	0	0.8
311421	Fruit and Vegetable Canning	14	2	*	Q	11	Q	0	0	*	0	7.3
312	Beverage and Tobacco Products	45	12	1	Q	19	*	11	0	2	0	3
3121	Beverages	27	8	*	Q	15	*	1	0	2	0	3.3
3122	Tobacco	18	4	1	*	3	*	10	0	*	0	0.8
313	Textile Mills	169	77	1	1	53	*	22	0	15	0	16
314	Textile Product Mills	51	13	W	W	24	W	W	0	W	0	18.3
315	Apparel	15	7	*	Q	7	*	0	0	*	0	19.4
316	Leather and Allied Products	1	*	0	*	*	*	0	0	*	0	5.1
321	Wood Products	214	39	W	W	25	2	W	0	140	0	6.5
321113	Sawmills	69	11	0	2	3	*	0	0	53	0	8.3
3212	Veneer, Plywood, and Engineered Woods	101	20	W	W	17	1	W	0	60	0	7
3219	Other Wood Products	38	7	0	1	3	*	0	0	27	0	10.8
322	Paper	1,434	103	51	9	243	2	138	0	889	0	1.6
322110	Pulp Mills	194	4	10	W	W	*	W	0	156	0	0.8
322121	Paper Mills, except Newsprint	473	31	15	2	79	*	61	0	284	0	1.4
322122	Newsprint Mills	48	17	*	*	W	*	W	0	W	0	0.8
322130	Paperboard Mills	673	34	27	W	108	W	W	0	433	0	2.3
323	Printing and Related Support	28	15	W	*	11	W	0	0	*	0	6.7
324	Petroleum and Coal Products	4,304	76	8	W	563	7	W	1	3,446	59	4.5
324110	Petroleum Refineries	4,012	73	5	2	544	6	0	0	3,382	0	1.7
324199	Other Petroleum and Coal Products	Q	*	0	*	W	*	W	1	63	59	2.4
325	Chemicals	5,417	341	W	W	1,865	2,839	W	1	544	488	4
325110	Petrochemicals	W	W	W	*	207	W	W	0	80	W	0.9
325120	Industrial Gases	103	37	0	*	W	W	0	0	W	0	4.1
325181	Alkalies and Chlorine	W	30	0	*	W	W	W	0	W	W	0.9
325182	Carbon Black	W	2	W	*	W	*	0	0	W	0	0.8
325188	Other Basic Inorganic Chemicals	116	68	W	1	38	W	W	0	W	0	2.5
325192	Cyclic Crudes and Intermediates	85	10	W	W	32	19	*	0	24	0	0.8

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources and Shipments;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
325193	Ethyl Alcohol	*	W	0	*	*	*	0	0	*	0	0.8
325199	Other Basic Organic Chemicals	1,734	61	12	1	557	718	W	0	328	W	6.7
325211	Plastics Materials and Resins	1,626	54	W	1	387	1,149	W	0	43	W	2.8
325212	Synthetic Rubber	51	5	*	*	27	W	W	0	W	*	4.6
325222	Noncellulosic Organic Fibers	63	14	W	*	31	W	W	0	5	0	0.8
325311	Nitrogenous Fertilizers	342	6	0	*	335	*	0	0	*	0	0.8
325312	Phosphatic Fertilizers	30	2	1	1	25	*	1	1	*	0	0.9
3254	Pharmaceuticals and Medicines	W	9	1	*	9	*	0	0	4	0	7.5
325412	Pharmaceutical Preparation	14	6	1	*	4	*	0	0	3	0	10.8
325992	Photographic Film, Paper, Plate, and Chemicals	5	3	W	*	2	W	0	0	*	0	3.7
326	Plastics and Rubber Products	141	73	5	W	57	W	0	0	W	0	11.9
327	Nonmetallic Mineral Products	424	61	W	10	185	W	116	8	44	0	5.1
3272	Glass and Glass Products	80	17	W	W	61	W	*	0	1	0	1.9
327211	Flat Glass	25	3	W	W	21	*	*	0	1	0	0.8
327213	Glass Containers	22	4	0	*	18	*	0	0	*	0	0.8
327310	Cements	149	17	0	2	10	*	89	7	24	0	3.4
327410	Lime	39	2	0	*	3	*	23	0	11	0	0.8
327993	Mineral Wool	22	5	0	*	16	*	0	1	*	0	3.3
331	Primary Metals	668	206	*	W	234	1	W	96	81	2	1.8
331111	Iron and Steel Mills	319	74	*	W	110	*	W	89	W	2	1.7
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	W	*	W	*	W	0	11.3
3312	Steel Products from Purchased Steel	11	W	0	W	W	*	*	0	W	0	10.9
3313	Alumina and Aluminum	W	99	0	W	85	*	*	*	W	0	2.1
331312	Primary Aluminum	172	85	0	*	W	*	*	0	W	0	0.8
3314	Nonferrous Metals, except Aluminum	W	11	0	*	14	*	1	Q	1	0	4.4
3315	Foundries	40	14	0	*	18	*	1	6	*	0	1.3
331511	Iron Foundries	20	6	0	*	8	*	*	6	*	0	1.5
331521	Aluminum Die-Casting Foundries	4	1	0	*	3	*	0	0	*	0	1.5
331524	Aluminum Foundries, except Die-Casting	4	1	0	*	3	*	0	0	*	0	3.1
332	Fabricated Metal Products	121	52	W	W	66	2	W	0	Q	0	13.1
333	Machinery	43	25	0	*	17	W	0	0	Q	0	8.9
334	Computer and Electronic Products	40	31	0	*	8	*	0	0	*	0	6.7
334413	Semiconductors and Related Devices	16	12	0	*	3	*	0	0	*	0	2.7
335	Electrical Equip., Appliances, and Components	109	21	*	*	18	1	*	*	69	0	8.8
336	Transportation Equipment	102	48	2	W	44	1	W	0	4	0	4.8
336112	Light Trucks and Utility Vehicles	19	W	0	W	W	*	0	0	W	0	0.8
337	Furniture and Related Products	25	11	0	W	8	1	W	0	5	0	16.1
339	Miscellaneous	19	10	*	*	8	*	0	0	*	0	13.1
	Total	13,692	1,300	W	W	3,625	2,862	845	105	5,297	549	2.7
West Census Region												
	RSE Column Factors:	1.3	1.4	0.7	1.6	1.4	2	0.7	0.5	1.1	0.4	
311	Food	171	34	*	W	105	W	13	*	W	0	6.8
311221	Wet Corn Milling	5	W	0	*	4	*	0	0	1	0	3.2
31131	Sugar	W	W	*	*	W	*	13	*	3	0	0.9
311421	Fruit and Vegetable Canning	W	2	*	*	17	W	0	0	*	0	6.3
312	Beverage and Tobacco Products	23	6	0	*	10	*	0	0	7	0	3.5
3121	Beverages	23	6	0	*	10	*	0	0	7	0	3.5
3122	Tobacco	*	*	0	0	0	0	0	0	0	0	0.7
313	Textile Mills	W	3	0	0	Q	W	0	0	1	0	8.5

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources and Shipments;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
314	Textile Product Mills	W	1	0	0	1	W	0	0	0	0	15.6
315	Apparel	W	3	0	*	W	W	0	0	*	0	25.6
316	Leather and Allied Products	W	*	0	*	*	0	0	0	0	0	25.9
321	Wood Products	94	17	1	3	15	W	0	0	56	0	5.4
321113	Sawmills	46	6	*	2	6	*	0	0	32	0	6
3212	Veneer, Plywood, and Engineered Woods	38	8	0	*	7	*	0	0	22	0	4.5
3219	Other Wood Products	8	3	0	*	2	W	0	0	Q	0	10.7
322	Paper	307	42	5	W	88	W	W	0	168	0	1.3
322110	Pulp Mills	W	1	W	W	W	*	0	0	W	0	0.8
322121	Paper Mills, except Newsprint	99	9	3	*	27	*	0	0	60	0	1.7
322122	Newsprint Mills	34	16	W	*	W	*	0	0	W	0	0.8
322130	Paperboard Mills	145	11	W	W	43	W	W	0	87	0	0.9
323	Printing and Related Support	W	6	0	*	8	W	0	0	W	0	15.3
324	Petroleum and Coal Products	1,080	17	5	W	168	W	0	0	882	3	6.2
324110	Petroleum Refineries	1,044	19	5	1	157	8	0	0	855	0	5.3
324199	Other Petroleum and Coal Products	23	-2	0	*	2	0	0	0	26	3	0.9
325	Chemicals	202	40	W	W	122	W	W	2	W	0	3.3
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	W	W	0	0	W	*	0	0	0	0	1
325181	Alkalies and Chlorine	31	6	0	*	W	*	W	0	W	0	0.8
325182	Carbon Black	*	*	W	0	*	*	0	0	W	0	0.8
325188	Other Basic Inorganic Chemicals	W	10	W	*	W	W	W	2	W	0	1.4
325192	Cyclic Crudes and Intermediates	W	W	0	*	*	*	0	0	W	0	0.7
325193	Ethyl Alcohol	2	*	0	*	1	*	0	0	W	0	0.7
325199	Other Basic Organic Chemicals	W	1	W	*	3	*	0	0	W	0	5.3
325211	Plastics Materials and Resins	W	1	0	*	1	W	0	0	*	0	2.6
325212	Synthetic Rubber	*	*	0	0	*	*	0	0	*	0	0.7
325222	Noncellulosic Organic Fibers	*	*	0	0	0	*	0	0	0	0	0.6
325311	Nitrogenous Fertilizers	66	2	0	*	65	W	*	0	*	0	0.8
325312	Phosphatic Fertilizers	8	2	0	*	6	*	0	0	*	0	0.7
3254	Pharmaceuticals and Medicines	9	4	0	*	5	W	0	0	*	0	3.6
325412	Pharmaceutical Preparation	5	2	0	*	3	*	0	0	*	0	3.7
325992	Photographic Film, Paper, Plate, and Chemicals	3	W	0	*	2	W	0	0	0	0	0.6
326	Plastics and Rubber Products	24	15	0	*	9	W	0	0	W	0	11.8
327	Nonmetallic Mineral Products	180	22	W	W	62	W	67	*	15	0	3.2
3272	Glass and Glass Products	24	5	W	W	17	*	0	0	W	0	0.9
327211	Flat Glass	8	1	W	W	5	*	0	0	W	0	0.8
327213	Glass Containers	14	3	0	*	11	*	0	0	*	0	0.7
327310	Cements	87	9	W	W	5	*	W	*	12	0	1.2
327410	Lime	W	W	W	*	1	*	W	0	2	0	0.8
327993	Mineral Wool	W	2	0	*	3	*	0	*	*	0	1
331	Primary Metals	W	46	0	2	W	*	W	1	W	0	1.6
331111	Iron and Steel Mills	W	13	0	*	W	*	W	*	W	0	2.6
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	*	*	0	0	W	0	0.7
3312	Steel Products from Purchased Steel	W	W	0	*	W	*	0	0	W	0	2.3
3313	Alumina and Aluminum	W	W	0	*	W	*	0	0	W	0	1.9
331312	Primary Aluminum	W	W	0	*	2	*	0	0	W	0	0.8
3314	Nonferrous Metals, except Aluminum	W	8	0	2	W	*	0	*	W	0	3.4
3315	Foundries	W	2	0	*	4	*	*	0	*	0	2
331511	Iron Foundries	W	1	0	*	1	*	*	1	*	0	0.9
331521	Aluminum Die-Casting Foundries	1	*	0	0	*	*	0	0	*	0	10.8
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	1	*	0	0	*	0	1.9

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2002;
Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources and Shipments;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
332	Fabricated Metal Products	30	14	0	*	15	W	0	0	W	0	10.6
333	Machinery	W	7	0	*	6	*	0	0	W	0	10.8
334	Computer and Electronic Products	68	43	*	*	24	*	0	0	1	0	7.3
334413	Semiconductors and Related Devices	34	22	0	*	12	*	0	0	*	0	6.1
335	Electrical Equip., Appliances, and Components	W	3	0	*	Q	W	0	0	*	0	5
336	Transportation Equipment	36	16	0	*	18	*	0	0	1	0	11.3
336112	Light Trucks and Utility Vehicles	*	W	0	*	*	*	0	0	*	0	0.7
337	Furniture and Related Products	W	3	*	*	2	W	0	0	W	0	12.5
339	Miscellaneous	W	7	0	*	5	W	0	0	W	0	16.5
	Total	2,398	347	13	30	715	17	106	4	1,170	3	2.9

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

(b) 'Total' is the sum of all of the listed energy sources, including 'Other,' minus the shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes.

(c) '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).

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

(e) '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.

(f) 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).'

(g) '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 or as feedstock/raw material inputs. See also Footnote 'i'.

(h) 'Shipments of Energy Sources Produced Onsite' are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use. Any onsite consumption of coke is not counted as first use because it would duplicate the coal use. If some of the coke is then sold to another establishment, then that second establishment will consider this coke to be a shipment of an offsite-produced energy source. Hence, the second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

(i) For the petroleum refining industry only, the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the 'Other' column, regardless of type of energy. The remaining columns for the petroleum refining industry include only energy that was consumed for the production of heat and power. The 'Other' column also includes net steam and other energy that respondents indicated was used in the production of heat and power. Those inputs and feedstocks that were converted

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2002;
Level: National and Regional Data;
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NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)	RSE Row Factors
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to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded.

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 derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstocks or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; woodchips, bark, and woodwaste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

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.