

Table 4.1 Offsite-Produced 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)	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	1.2	
311	Food	1,079	68,230	2	3	560	1	8	*	50	8
311221	Wet Corn Milling	217	7,098	*	*	59	*	5	0	11	1.1
31131	Sugar	74	733	*	*	22	*	2	*	8	1
311421	Fruit and Vegetable Canning	47	1,987	*	*	35	*	0	0	1	12.4
312	Beverage and Tobacco Products	104	7,917	*	*	45	*	1	0	9	4.3
3121	Beverages	84	6,523	*	*	41	*	*	0	9	5.9
3122	Tobacco	19	1,394	*	*	4	*	*	0	*	0.9
313	Textile Mills	206	25,387	1	*	72	*	1	0	15	15.6
314	Textile Product Mills	60	4,869	*	Q	28	*	*	0	Q	22
315	Apparel	30	3,579	*	*	16	*	0	0	*	23.5
316	Leather and Allied Products	7	716	*	*	4	*	0	0	*	8.6
321	Wood Products	198	21,623	*	2	56	1	*	0	50	4.8
321113	Sawmills	57	6,333	*	1	10	*	0	0	19	5.3
3212	Veneer, Plywood, and Engineered Woods	93	9,696	*	*	32	1	*	0	21	5.8
3219	Other Wood Products	41	5,284	*	*	11	*	0	0	9	10.3
322	Paper	1,413	71,890	16	2	490	2	11	*	306	2.3
322110	Pulp Mills	W	2,628	W	1	23	*	W	0	20	0.9
322121	Paper Mills, except Newsprint	605	25,258	8	1	201	*	6	*	117	2.1
322122	Newsprint Mills	83	10,827	W	*	15	*	W	0	W	0.9
322130	Paperboard Mills	524	19,626	5	1	183	*	4	0	148	2.7
323	Printing and Related Support	98	14,735	*	*	45	*	0	0	Q	9.5
324	Petroleum and Coal Products	1,290	41,308	2	2	854	3	1	*	222	4.4
324110	Petroleum Refineries	1,184	38,625	2	*	799	2	*	0	213	3.5
324199	Other Petroleum and Coal Products	24	436	*	*	4	*	1	*	6	1.4
325	Chemicals	3,154	161,381	7	2	1,630	9	14	*	525	5.5
325110	Petrochemicals	273	W	W	*	167	W	W	0	38	1.2
325120	Industrial Gases	181	24,600	0	*	47	*	0	0	Q	6.1
325181	Alkalies and Chlorine	W	13,274	W	*	92	*	1	0	9	1.4
325182	Carbon Black	25	609	2	*	9	*	0	0	*	0.9
325188	Other Basic Inorganic Chemicals	191	26,179	*	*	67	*	1	*	11	3.4
325192	Cyclic Crudes and Intermediates	67	3,443	*	*	36	*	0	0	18	0.9
325193	Ethyl Alcohol	60	1,309	0	*	29	*	1	0	7	5.6
325199	Other Basic Organic Chemicals	976	25,136	W	*	414	1	W	0	300	12
325211	Plastics Materials and Resins	501	22,388	*	*	339	*	1	*	48	8.4
325212	Synthetic Rubber	52	1,916	*	*	27	*	*	0	12	7.4
325222	Noncellulosic Organic Fibers	61	4,377	W	*	29	*	W	0	3	1.6
325311	Nitrogenous Fertilizers	202	3,502	0	*	184	*	0	0	1	0.9
325312	Phosphatic Fertilizers	30	2,006	*	*	18	*	*	*	1	1
3254	Pharmaceuticals and Medicines	119	10,964	*	*	60	*	*	0	6	5.4
325412	Pharmaceutical Preparation	85	8,498	*	*	39	*	*	0	4	6
325992	Photographic Film, Paper, Plate, and Chemicals	29	W	W	W	7	*	W	0	*	5.9
326	Plastics and Rubber Products	347	53,196	1	*	125	1	Q	0	4	9.5
327	Nonmetallic Mineral Products	960	41,441	*	5	410	1	14	*	40	4.4
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	W	0.9
327213	Glass Containers	66	3,932	0	*	51	*	0	0	*	0.9
327310	Cements	344	12,487	*	1	21	*	11	*	30	2.1

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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bb)	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
327410	Lime	81	1,353	*	*	7	*	3	*	1	1
327993	Mineral Wool	51	3,750	0	*	34	*	0	*	*	2.9
331	Primary Metals	1,614	146,578	*	3	652	1	2	14	39	2.4
331111	Iron and Steel Mills	950	54,356	*	2	377	*	2	13	17	2.5
331112	Electrometallurgical Ferroalloy Products	24	3,555	0	*	7	*	*	*	2	2.6
3312	Steel Products from Purchased Steel	41	4,611	*	W	23	W	0	0	W	12.7
3313	Alumina and Aluminum	349	58,191	*	W	127	W	0	*	W	1.9
331312	Primary Aluminum	W	50,327	*	*	19	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	93	9,968	*	W	42	W	*	*	W	5.1
3315	Foundries	157	15,896	*	*	75	*	*	1	*	3.8
331511	Iron Foundries	81	8,214	0	*	27	*	*	1	*	4.7
331521	Aluminum Die-Casting Foundries	23	1,897	*	*	16	*	0	0	*	2.3
331524	Aluminum Foundries, except Die-Casting	19	1,350	*	*	14	*	0	0	*	4.7
332	Fabricated Metal Products	387	47,118	*	1	204	1	*	*	2	16.9
333	Machinery	175	24,609	*	*	80	1	*	0	4	11.5
334	Computer and Electronic Products	200	38,427	*	*	63	*	*	0	2	17.7
334413	Semiconductors and Related Devices	67	13,025	*	*	21	*	0	0	Q	3.9
335	Electrical Equip., Appliances, and Components	103	13,901	*	*	51	*	*	0	1	6.8
336	Transportation Equipment	422	50,576	1	1	197	1	*	0	27	5.8
336112	Light Trucks and Utility Vehicles	56	4,889	*	W	35	*	W	0	W	0.9
337	Furniture and Related Products	55	7,113	*	*	24	*	*	0	2	10.6
339	Miscellaneous	71	10,371	*	*	31	*	0	0	2	9.3
	Total	11,973	854,965	32	24	5,637	23	53	15	1,302	3.3
Northeast Census Region											
	RSE Column Factors:	1.1	1.1	0.9	1.6	0.9	1.8	0.7	0.6	0.8	
311	Food	91	6,570	1	1	53	*	*	0	Q	23
311221	Wet Corn Milling	W	W	*	*	0	0	0	0	*	0.9
31131	Sugar	W	W	*	*	W	*	0	0	*	0.9
311421	Fruit and Vegetable Canning	5	343	*	*	3	*	0	0	*	10.7
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	1,340	*	*	13	*	0	0	*	25.1
314	Textile Product Mills	W	425	*	*	W	*	*	0	*	4.3
315	Apparel	W	567	0	*	W	*	0	0	0	27.2
316	Leather and Allied Products	2	111	*	*	1	*	0	0	*	10.9
321	Wood Products	15	1,390	*	*	4	*	0	0	4	15
321113	Sawmills	4	380	*	*	*	*	0	0	*	5.7
3212	Veneer, Plywood, and Engineered Woods	4	316	*	*	2	*	0	0	1	10
3219	Other Wood Products	8	682	*	*	2	*	0	0	Q	17.5
322	Paper	207	9,538	W	W	72	W	W	0	45	3.9
322110	Pulp Mills	W	W	W	0	*	*	0	0	0	8.4
322121	Paper Mills, except Newsprint	148	4,649	4	*	46	W	1	0	W	3
322122	Newsprint Mills	W	W	W	W	0	0	0	0	0	0.9
322130	Paperboard Mills	W	985	W	W	14	W	W	0	W	3
323	Printing and Related Support	23	3,164	W	W	11	*	0	0	*	14.9
324	Petroleum and Coal Products	83	3,326	*	1	43	*	*	*	16	5.2
324110	Petroleum Refineries	64	2,808	*	*	35	*	*	0	15	1.5

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324199	Other Petroleum and Coal Products	2	71	*	*	*	*	*	*	*	1
325	Chemicals	162	12,721	W	W	70	*	W	0	W	7.4
325110	Petrochemicals	W	19	0	*	W	0	0	0	0	1.8
325120	Industrial Gases	9	1,961	0	*	W	0	0	0	W	0.9
325181	Alkalies and Chlorine	W	W	W	*	*	*	0	0	W	1
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	W	1,034	W	W	6	*	0	0	W	2.8
325192	Cyclic Crudes and Intermediates	W	205	W	*	4	*	0	0	W	0.9
325193	Ethyl Alcohol	*	*	0	0	*	0	0	0	*	1
325199	Other Basic Organic Chemicals	17	772	W	*	7	*	0	0	W	8.1
325211	Plastics Materials and Resins	W	W	W	*	6	*	0	0	W	15.2
325212	Synthetic Rubber	1	50	0	*	*	*	0	0	*	0.9
325222	Noncellulosic Organic Fibers	*	W	W	0	*	*	0	0	*	5.9
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	44	3,038	*	*	30	*	0	0	1	7.6
325412	Pharmaceutical Preparation	31	2,328	*	*	20	*	0	0	1	9.9
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	W	W	3	*	W	0	*	4.4
326	Plastics and Rubber Products	46	7,560	W	W	14	W	W	0	1	8.5
327	Nonmetallic Mineral Products	138	6,608	W	W	61	*	2	*	6	5.8
3272	Glass and Glass Products	40	W	W	W	29	*	0	0	W	3.6
327211	Flat Glass	11	W	0	W	9	*	0	0	W	0.9
327213	Glass Containers	13	W	0	W	10	*	0	0	*	0.9
327310	Cements	45	W	W	W	*	*	W	*	4	1
327410	Lime	5	W	0	W	*	*	W	0	*	0.9
327993	Mineral Wool	5	346	0	*	3	*	0	*	*	2.8
331	Primary Metals	144	15,135	*	W	67	W	W	*	W	6.2
331111	Iron and Steel Mills	W	6,072	0	W	37	W	W	0	W	3.5
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	W	W	0	0	W	0.9
3312	Steel Products from Purchased Steel	W	W	*	W	W	*	0	0	W	15.2
3313	Alumina and Aluminum	W	W	*	W	11	*	0	0	W	1.3
331312	Primary Aluminum	W	W	*	*	W	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	23	W	*	W	8	W	*	*	W	4.1
3315	Foundries	W	W	*	*	7	*	*	*	*	4.2
331511	Iron Foundries	13	607	0	*	3	*	*	*	*	3.8
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	54	6,449	W	W	28	W	W	*	*	16.1
333	Machinery	27	3,692	*	*	12	*	0	0	Q	14.7
334	Computer and Electronic Products	62	11,184	*	*	20	*	*	0	1	30.3
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	*	15.7
336	Transportation Equipment	49	4,049	1	*	20	*	0	0	11	5.6
336112	Light Trucks and Utility Vehicles	W	W	0	*	W	*	0	0	W	0.9
337	Furniture and Related Products	7	831	0	*	3	*	0	0	*	17.5
339	Miscellaneous	21	2,519	*	*	9	*	0	0	2	13.3
	Total	1,196	100,190	10	5	523	2	4	*	111	5.8

Midwest Census Region

RSE Column Factors:

1.1 1 0.8 1.3 1.2 2 0.4 0.7 1.2

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311	Food	532	28,435	1	*	240	*	7	*	22	10.7
311221	Wet Corn Milling	W	5,955	*	W	51	*	5	0	6	0.9
31131	Sugar	29	379	*	*	5	*	1	*	*	1
311421	Fruit and Vegetable Canning	7	397	*	*	5	*	0	0	*	3
312	Beverage and Tobacco Products	22	1,392	*	*	10	*	*	0	*	5
3121	Beverages	22	W	*	W	W	W	*	0	*	5
3122	Tobacco	*	W	0	W	W	W	0	0	*	0.8
313	Textile Mills	3	313	0	*	1	*	0	0	*	6.5
314	Textile Product Mills	W	307	0	0	W	*	0	0	*	9.3
315	Apparel	W	184	0	0	W	*	0	0	*	13.8
316	Leather and Allied Products	4	428	0	*	3	*	0	0	*	13.2
321	Wood Products	30	3,127	*	W	12	*	W	0	4	4.3
321113	Sawmills	3	428	0	*	1	*	0	0	1	6.4
3212	Veneer, Plywood, and Engineered Woods	15	1,103	*	W	6	*	W	0	3	3.5
3219	Other Wood Products	12	1,558	0	*	5	*	0	0	1	10.8
322	Paper	274	15,186	1	*	97	Q	4	*	29	3.9
322110	Pulp Mills	W	W	0	*	W	*	W	0	W	0.9
322121	Paper Mills, except Newsprint	W	8,187	1	*	51	W	3	*	W	2.3
322122	Newsprint Mills	4	W	0	*	*	*	W	0	W	0.9
322130	Paperboard Mills	W	2,432	*	*	21	W	W	0	W	6.2
323	Printing and Related Support	33	5,171	0	*	14	*	0	0	*	10.7
324	Petroleum and Coal Products	156	6,860	1	*	100	1	0	0	22	5.5
324110	Petroleum Refineries	131	6,149	1	*	82	*	0	0	20	2.4
324199	Other Petroleum and Coal Products	2	60	0	*	*	*	0	0	1	0.8
325	Chemicals	454	29,403	W	W	183	*	W	*	101	7.6
325110	Petrochemicals	W	W	0	*	2	0	0	0	*	0.9
325120	Industrial Gases	W	6,276	0	0	W	0	0	0	W	1.3
325181	Alkalies and Chlorine	W	W	0	W	W	*	W	0	*	4.2
325182	Carbon Black	W	W	W	0	1	*	0	0	*	0.9
325188	Other Basic Inorganic Chemicals	W	2,122	W	W	18	*	W	*	W	3.1
325192	Cyclic Crudes and Intermediates	W	W	W	W	6	*	0	0	*	0.8
325193	Ethyl Alcohol	57	1,251	0	*	28	*	1	0	6	5.6
325199	Other Basic Organic Chemicals	72	4,081	0	W	19	*	W	0	W	2.9
325211	Plastics Materials and Resins	W	4,322	W	*	20	*	W	*	W	3.7
325212	Synthetic Rubber	4	W	0	*	1	*	W	0	*	3.4
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	36	1,071	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	4,114	*	*	17	*	*	0	1	7
325412	Pharmaceutical Preparation	34	3,637	*	*	12	*	*	0	*	2.6
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	0	0	*	*	0	0	0	3.6
326	Plastics and Rubber Products	137	19,789	W	W	47	W	W	0	1	12.3
327	Nonmetallic Mineral Products	261	10,688	W	W	109	*	4	*	17	5.3
3272	Glass and Glass Products	58	3,618	0	*	43	*	0	0	1	1.4
327211	Flat Glass	19	W	0	W	16	*	0	0	1	0.8
327213	Glass Containers	16	W	0	W	13	*	0	0	*	0.8
327310	Cements	88	3,050	0	*	5	*	2	*	15	3.3
327410	Lime	36	487	W	W	4	*	1	*	*	1
327993	Mineral Wool	20	1,427	0	*	13	*	0	*	*	1.3
331	Primary Metals	825	55,888	*	1	326	*	1	10	20	2

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331111	Iron and Steel Mills	W	22,772	*	W	217	W	1	9	W	2.4
331112	Electrometallurgical Ferroalloy Products	19	2,337	0	*	6	W	*	*	W	1
3312	Steel Products from Purchased Steel	22	2,160	0	W	14	W	0	0	W	7.2
3313	Alumina and Aluminum	W	16,093	0	W	30	W	0	0	W	3
331312	Primary Aluminum	W	14,030	0	*	W	*	0	0	W	0.8
3314	Nonferrous Metals, except Aluminum	26	2,716	*	W	13	W	0	*	W	5.6
3315	Foundries	93	9,810	*	*	46	*	*	*	*	3
331511	Iron Foundries	47	5,634	0	*	16	*	*	*	*	4.2
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	*	2.9
332	Fabricated Metal Products	182	21,309	W	W	97	W	W	*	1	15.4
333	Machinery	92	11,488	0	*	46	*	*	0	2	12.2
334	Computer and Electronic Products	32	5,270	0	*	13	*	0	0	1	7.1
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	*	4.2
336	Transportation Equipment	237	27,630	*	W	117	1	W	0	12	12.6
336112	Light Trucks and Utility Vehicles	36	W	*	W	23	*	W	0	W	0.9
337	Furniture and Related Products	21	2,294	0	W	11	*	W	0	*	13.5
339	Miscellaneous	19	2,786	*	*	9	*	0	0	*	9
	Total	3,353	252,896	3	5	1,455	4	20	10	232	6.2
South Census Region											
	RSE Column Factors:	0.9	1	0.9	1.3	1	1.8	0.7	0.7	1.1	
311	Food	285	23,096	Q	1	165	1	*	0	16	9.6
311221	Wet Corn Milling	20	1,070	0	*	5	*	*	0	4	0.9
31131	Sugar	20	210	*	*	10	*	*	0	5	0.9
311421	Fruit and Vegetable Canning	14	541	*	*	10	*	0	0	*	9.2
312	Beverage and Tobacco Products	46	3,638	*	*	18	*	*	0	1	3.3
3121	Beverages	27	2,283	*	*	15	*	*	0	1	3.8
3122	Tobacco	19	1,354	*	*	3	*	*	0	*	0.9
313	Textile Mills	169	22,798	*	*	50	*	1	0	15	18.4
314	Textile Product Mills	51	3,924	*	*	23	*	*	0	Q	21.9
315	Apparel	15	1,956	*	*	7	*	0	0	*	23.1
316	Leather and Allied Products	1	142	0	*	*	*	0	0	*	9
321	Wood Products	98	11,552	*	W	25	1	W	0	27	8
321113	Sawmills	26	3,208	0	*	3	*	0	0	9	10.1
3212	Veneer, Plywood, and Engineered Woods	53	5,985	*	W	17	*	W	0	12	9.2
3219	Other Wood Products	16	2,168	0	*	3	*	0	0	5	16.2
322	Paper	730	32,631	8	2	236	*	6	0	176	2.4
322110	Pulp Mills	W	1,723	2	1	18	*	W	0	W	0.9
322121	Paper Mills, except Newsprint	240	8,839	2	*	77	*	3	0	52	2.1
322122	Newsprint Mills	39	4,866	*	*	W	*	W	0	W	0.9
322130	Paperboard Mills	348	12,026	4	W	105	W	W	0	100	3.4
323	Printing and Related Support	28	4,527	W	W	11	*	0	0	*	7.5
324	Petroleum and Coal Products	806	23,984	1	1	548	1	*	0	138	4.9
324110	Petroleum Refineries	759	22,917	*	*	529	*	0	0	132	1.7
324199	Other Petroleum and Coal Products	18	264	0	*	2	*	*	0	5	1.7
325	Chemicals	2,390	107,546	5	W	1,301	8	10	*	W	5.1
325110	Petrochemicals	270	W	W	*	W	W	W	0	38	0.9

Table 4.1 Offsite-Produced Fuel Consumption, 2002;
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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bb)	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	W	13,197	0	*	46	*	0	0	W	4
325181	Alkalies and Chlorine	126	9,602	0	W	W	*	W	0	W	0.9
325182	Carbon Black	W	W	W	*	9	*	0	0	*	0.9
325188	Other Basic Inorganic Chemicals	108	20,116	W	W	30	*	W	0	W	2.2
325192	Cyclic Crudes and Intermediates	W	2,980	W	*	25	*	0	0	W	0.9
325193	Ethyl Alcohol	*	12	0	*	*	*	0	0	*	0.9
325199	Other Basic Organic Chemicals	882	19,987	W	W	385	*	W	0	261	11.4
325211	Plastics Materials and Resins	436	16,664	W	*	312	*	W	0	W	5.2
325212	Synthetic Rubber	47	W	*	*	26	*	W	0	12	8.5
325222	Noncellulosic Organic Fibers	60	W	W	*	29	*	W	0	3	0.9
325311	Nitrogenous Fertilizers	135	1,894	0	*	125	*	0	0	*	0.9
325312	Phosphatic Fertilizers	22	1,422	*	*	13	*	*	*	*	1
3254	Pharmaceuticals and Medicines	22	2,740	*	*	8	*	0	0	3	8.6
325412	Pharmaceutical Preparation	14	1,868	*	*	4	*	0	0	3	12.3
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	W	*	2	*	0	0	*	5.4
326	Plastics and Rubber Products	141	21,454	1	*	56	*	0	0	2	13.6
327	Nonmetallic Mineral Products	395	17,738	W	W	179	*	5	*	16	6.5
3272	Glass and Glass Products	80	5,095	W	W	60	*	0	0	W	2.2
327211	Flat Glass	25	840	W	W	21	*	0	0	W	0.9
327213	Glass Containers	22	1,233	0	*	18	*	0	0	*	0.9
327310	Cements	135	5,005	0	*	10	*	4	*	9	3.4
327410	Lime	28	575	0	*	3	*	1	0	*	0.9
327993	Mineral Wool	21	1,448	0	*	14	*	0	*	*	3.6
331	Primary Metals	554	62,067	*	W	221	*	*	4	W	1.8
331111	Iron and Steel Mills	W	21,837	*	W	106	*	*	3	W	1.9
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	W	*	0	0	W	11.1
3312	Steel Products from Purchased Steel	W	W	0	W	W	*	0	0	W	19.8
3313	Alumina and Aluminum	W	30,442	0	W	78	*	0	*	W	2.6
331312	Primary Aluminum	W	26,325	0	*	W	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	27	3,205	0	W	14	*	*	*	W	8.3
3315	Foundries	37	4,079	0	*	18	*	*	*	*	1.5
331511	Iron Foundries	18	1,804	0	*	7	*	0	*	*	1.7
331521	Aluminum Die-Casting Foundries	4	274	0	*	3	*	0	0	*	1.7
331524	Aluminum Foundries, except Die-Casting	4	244	0	*	3	*	0	0	*	3.6
332	Fabricated Metal Products	120	15,240	W	W	64	*	*	0	*	15.3
333	Machinery	43	7,273	0	*	16	*	0	0	*	10.1
334	Computer and Electronic Products	40	9,202	0	*	8	*	0	0	*	6.5
334413	Semiconductors and Related Devices	16	3,664	0	*	3	*	0	0	*	3.1
335	Electrical Equip., Appliances, and Components	40	6,026	*	*	18	*	0	0	1	10.1
336	Transportation Equipment	101	14,164	*	W	43	*	W	0	3	5.9
336112	Light Trucks and Utility Vehicles	18	W	0	*	W	*	0	0	1	0.9
337	Furniture and Related Products	22	3,181	0	W	8	*	W	0	2	19.4
339	Miscellaneous	19	3,041	*	*	8	*	0	0	*	17
	Total	6,092	395,180	17	9	3,005	13	24	4	815	3.5
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	171	10,128	*	1	102	*	1	*	9	7.5
311221	Wet Corn Milling	W	W	0	W	4	*	0	0	1	2.8

Table 4.1 Offsite-Produced Fuel Consumption, 2002;
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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bb)	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
31131	Sugar	W	W	*	*	W	*	1	*	3	1
311421	Fruit and Vegetable Canning	20	706	*	*	17	*	0	0	*	7
312	Beverage and Tobacco Products	23	1,887	0	*	9	*	0	0	7	3.8
3121	Beverages	23	1,887	0	*	9	*	0	0	7	3.8
3122	Tobacco	*	*	0	0	0	0	0	0	0	0.8
313	Textile Mills	11	936	0	0	Q	*	0	0	1	9.4
314	Textile Product Mills	2	214	0	0	1	*	0	0	0	17.2
315	Apparel	8	872	0	*	Q	*	0	0	*	28.5
316	Leather and Allied Products	*	36	0	*	*	0	0	0	0	29.1
321	Wood Products	54	5,555	*	*	15	*	0	0	16	6.9
321113	Sawmills	25	2,317	*	*	6	*	0	0	9	6.1
3212	Veneer, Plywood, and Engineered Woods	22	2,293	0	*	7	*	0	0	6	4.4
3219	Other Wood Products	6	876	0	*	2	*	0	0	Q	11.4
322	Paper	202	14,535	W	W	85	W	W	0	56	1.4
322110	Pulp Mills	W	402	W	*	W	*	0	0	W	0.8
322121	Paper Mills, except Newsprint	W	3,583	*	*	26	*	0	0	W	1.9
322122	Newsprint Mills	W	4,756	W	W	W	*	0	0	W	0.8
322130	Paperboard Mills	91	4,183	W	W	42	W	W	0	W	1
323	Printing and Related Support	15	1,873	0	*	8	*	0	0	*	17
324	Petroleum and Coal Products	245	7,139	*	*	163	1	0	0	46	8.5
324110	Petroleum Refineries	230	6,752	*	*	153	1	0	0	45	5.5
324199	Other Petroleum and Coal Products	2	41	0	*	2	0	0	0	*	0.8
325	Chemicals	148	11,711	W	W	77	*	W	0	W	5.2
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	W	3,166	0	0	W	0	0	0	0	1.7
325181	Alkalies and Chlorine	31	W	0	*	W	*	W	0	1	0.9
325182	Carbon Black	*	W	0	0	*	*	0	0	0	0.7
325188	Other Basic Inorganic Chemicals	W	2,907	W	W	12	*	W	0	W	1.8
325192	Cyclic Crudes and Intermediates	W	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	*	3	*	0	0	W	7.6
325211	Plastics Materials and Resins	W	W	0	*	1	*	0	0	*	5
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	584	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	W	W	0	*	2	*	0	0	0	0.7
326	Plastics and Rubber Products	24	4,393	0	W	8	W	0	0	*	13.1
327	Nonmetallic Mineral Products	166	6,408	W	W	60	*	3	*	3	3.7
3272	Glass and Glass Products	23	W	W	W	16	*	0	0	*	1
327211	Flat Glass	7	W	W	W	5	*	0	0	W	0.8
327213	Glass Containers	14	W	0	W	10	*	0	0	*	0.8
327310	Cements	77	W	W	W	5	*	W	*	2	1.3
327410	Lime	12	W	W	W	1	*	W	0	*	0.9
327993	Mineral Wool	5	528	0	*	3	*	0	*	*	1.1
331	Primary Metals	91	13,488	0	W	38	W	W	*	W	2
331111	Iron and Steel Mills	32	3,676	0	W	17	W	W	*	W	2.1
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	*	*	0	0	W	0.8
3312	Steel Products from Purchased Steel	W	W	0	*	1	*	0	0	W	2.6

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3313	Alumina and Aluminum	W	W	0	*	8	*	0	0	W	2.9
331312	Primary Aluminum	W	W	0	*	W	*	0	0	W	0.9
3314	Nonferrous Metals, except Aluminum	18	W	0	W	8	*	0	0	W	4.7
3315	Foundries	W	W	0	*	4	*	*	*	*	2.5
331511	Iron Foundries	2	169	0	*	1	*	*	*	*	1.2
331521	Aluminum Die-Casting Foundries	1	61	0	0	*	*	0	0	*	8.6
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	2,157	0	*	6	*	0	0	*	10.1
334	Computer and Electronic Products	67	12,770	*	*	23	*	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	W	0	*	*	*	0	0	*	0.8
337	Furniture and Related Products	5	807	*	*	2	*	0	0	*	13.4
339	Miscellaneous	12	2,025	0	*	5	*	0	0	*	15.2
	Total	1,333	106,699	2	5	654	3	5	*	143	3.1

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

(b) 'Electricity' consists of quantities of electricity that were purchased or transferred in, and is equivalent to 'purchased electricity' as defined in the 'Annual Survey of Manufactures.'

(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 all other energy that was purchased or transferred in and not shown elsewhere.

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 represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of 'purchased' fuels and electric energy used by the Bureau of the Census in the preparation of 'Fuels and Electric Energy Consumed,' of the 'Annual Survey of Manufactures,' for 1974 through 1981.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2002 Manufacturing

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Energy Consumption Survey,' and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, 'Monthly Refinery Report' for 2002.