

Appendix A

Detailed Tables

Important Changes Affecting the Detailed Tables

1. In previous MECS, the term “primary energy” was used to denote the “first use” of energy. However, many of our customers use the term primary energy to mean a quantity of energy that includes the energy losses incurred in generating and transmitting electricity. So, in response:



“Primary Energy for All Purposes” is now “First Use of Energy for All Purposes.”

2. “Shell storage capacity” no longer appears in this report. The capacity data are available electronically at <http://www.eia.doe.gov/emeu/meecs/contents.html>.

3. Manufacturers often produce more energy as a byproduct or from the use of a nonenergy source than they use. They sell or transfer the excess. In past MECS, those shipments from the establishments were counted in all of the MECS estimates. In the 1994 MECS, the “shipment” estimates are removed from the “total” column Table A1. The estimates for the “shipments” are in the last column of the same table. The estimates for the energy sources remain the same as in previous MECS. Therefore:



When comparing total energy (Table A1) in this report with total energy (Table A1) in the 1991 MECS report, shipments in the 1994 table must be added to total energy for 1994. It is also possible to add shipments to the 1991 total estimate. See Appendix B in *Manufacturing Consumption of Energy 1991* for a complete discussion and shipment estimates for 1991.

4. The previous report, *Manufacturing Consumption of Energy 1991* includes estimates on quantities, expenditures, and average prices for natural gas by type of supplier (utility, transmission pipeline, and other supplier). The categorization of natural gas supplier was changed in the 1994 MECS. In theory, the 1994 MECS categorization should have also provided a clean breakdown of natural gas from utility and nonutility sources that would sum to total gas inputs. However, after a preliminary investigation, EIA finds evidence that a misclassification might have taken place. Natural gas that might have been purchased through a source other than the local utility might have been classified as utility natural gas. Chapter 4 describes this situation in detail. Under these circumstances:



EIA has withheld all data, including data on quantities, expenditures, and average prices, that show a differentiation between utility and nonutility suppliers of natural gas. In addition, EIA is presently developing plans to investigate further whether a misclassification occurred and, if so, why it occurred.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Census Region and Industry Group, 1994: Part 1
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total ^b (trillion Btu)	Net Electricity ^c (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^d (1000 bbl)	Natural Gas ^e (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^f (trillion Btu)	Shipments ^g (trillion Btu)	RSE Row Factors
Total United States												
RSE Column Factors:		0.5	0.4	1.2	1.2	0.5	1.1	1.4	1.9	1.1	2.3	
20	Food and Kindred Products	1,193	58,004	4,785	3,181	613	W	7,500	W	141	0	5.9
21	Tobacco Products	W	842	133	W	W	W	W	0	W	0	27.2
22	Textile Mill Products	310	32,614	2,680	1,274	113	999	1,821	0	14	0	13.9
23	Apparel and Other Textile Products	W	7,735	W	106	25	W	W	0	W	0	22.9
24	Lumber and Wood Products	491	19,836	389	4,314	47	W	W	0	341	0	9.9
25	Furniture and Fixtures	69	6,590	60	154	23	211	115	0	18	0	14.3
26	Paper and Allied Products	2,665	65,479	27,444	1,564	558	1,334	13,812	0	1,373	0	3.8
27	Printing and Publishing	112	17,409	W	264	46	W	0	0	2	0	11.5
28	Chemicals and Allied Products	5,328	152,482	17,457	2,324	2,495	435,926	13,239	449	442	166	6.4
29	Petroleum and Coal Products ^h	6,339	35,440	11,234	3,821	788	11,729	W	W	5,344	87	7.9
30	Rubber and Misc. Plastics Products	287	43,749	1,600	620	107	920	221	0	6	0	8.2
31	Leather and Leather Products	W	828	250	W	W	W	0	0	*	0	23.8
32	Stone, Clay and Glass Products	944	36,018	1,187	3,970	419	1,062	12,423	320	73	0	7.9
33	Primary Metal Industries	2,462	144,466	6,871	2,190	787	1,488	34,888	17,238	85	334	6.3
34	Fabricated Metal Products	367	33,819	W	749	214	1,341	W	W	Q	0	14.1
35	Industrial Machinery and Equipment	246	32,037	W	698	108	907	484	W	5	0	10.0
36	Electronic and Other Electric Equipment	243	33,148	415	296	85	629	W	W	Q	0	13.3
37	Transportation Equipment	363	38,773	1,781	1,159	153	934	1,245	69	23	0	10.9
38	Instruments and Related Products	107	13,490	589	237	28	W	W	0	3	0	18.8
39	Misc. Manufacturing Industries	W	5,575	142	209	19	166	37	0	W	0	23.3
Total		21,663	778,335	78,010	27,196	6,635	461,028	88,349	18,252	7,926	587	3.7
Northeast Census Region												
RSE Column Factors:		0.5	0.4	0.9	1.0	0.6	1.2	1.7	2.0	1.1	1.8	
20	Food and Kindred Products	93	6,215	1,496	W	50	W	W	0	4	0	14.6
21	Tobacco Products	W	20	W	W	W	W	0	0	W	0	39.8
22	Textile Mill Products	32	1,666	1,055	W	13	234	W	0	3	0	17.2
23	Apparel and Other Textile Products	W	2,035	W	W	5	W	0	0	W	0	46.3
24	Lumber and Wood Products	W	1,198	W	W	3	W	0	0	W	0	25.8
25	Furniture and Fixtures	6	421	Q	77	2	20	0	0	1	0	26.9
26	Paper and Allied Products	W	9,397	11,849	416	46	W	1,965	0	W	0	8.1
27	Printing and Publishing	21	3,156	W	141	8	W	0	0	W	0	19.0
28	Chemicals and Allied Products	163	11,230	3,381	W	57	W	W	0	18	W	10.2
29	Petroleum and Coal Products ^h	502	2,990	2,079	1,333	39	W	W	0	422	0	12.0
30	Rubber and Misc. Plastics Products	W	6,474	W	W	13	W	64	0	1	0	15.7
31	Leather and Leather Products	W	243	155	W	W	17	0	0	W	0	30.1
32	Stone, Clay and Glass Products	128	5,271	W	W	65	221	1,500	W	2	0	14.1
33	Primary Metal Industries	344	17,781	W	W	103	W	W	W	14	W	14.2
34	Fabricated Metal Products	W	5,072	309	409	31	W	W	W	W	0	17.5
35	Industrial Machinery and Equipment	37	4,525	190	253	15	176	0	0	2	0	15.6
36	Electronic and Other Electric Equipment	70	7,358	W	164	21	232	W	W	W	0	24.2
37	Transportation Equipment	41	3,524	992	280	13	W	W	0	2	0	17.3
38	Instruments and Related Products	52	3,757	554	202	9	W	W	0	1	0	21.3
39	Misc. Manufacturing Industries	21	1,673	115	104	6	52	W	0	W	0	27.1
Total		1,964	94,006	24,229	7,179	503	9,158	18,040	366	622	191	6.1

See footnotes at end of table.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total ^b (trillion Btu)	Net Electricity ^c (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^d (1000 bbl)	Natural Gas ^e (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^f (trillion Btu)	Shipments ^g (trillion Btu)	RSE Row Factors
Midwest Census Region												
RSE Column Factors:		0.5	0.5	1.6	1.2	0.5	1.2	1.1	1.4	1.2	1.9	
20	Food and Kindred Products	492	23,442	1,176	372	258	W	5,491	W	14	0	9.6
21	Tobacco Products	W	W	0	W	W	0	0	0	W	0	54.3
22	Textile Mill Products	6	W	0	W	4	W	0	0	W	0	30.3
23	Apparel and Other Textile Products	7	785	0	W	4	W	0	0	W	0	32.7
24	Lumber and Wood Products	W	2,975	W	W	12	270	W	0	W	0	20.8
25	Furniture and Fixtures	27	2,151	4	10	12	65	57	0	Q	0	22.7
26	Paper and Allied Products	W	15,397	810	164	113	W	W	0	W	0	7.1
27	Printing and Publishing	42	5,975	*	W	19	W	0	0	1	0	15.5
28	Chemicals and Allied Products	573	40,332	675	189	270	15,039	W	W	50	9	11.3
29	Petroleum and Coal Products ^h	1,054	7,528	3,739	W	85	1,279	W	0	910	Q	9.9
30	Rubber and Misc. Plastics Products	112	16,256	W	W	48	240	W	0	2	0	14.0
31	Leather and Leather Products	W	W	W	W	W	W	0	0	W	0	33.2
32	Stone, Clay and Glass Products	261	9,722	W	W	114	W	3,050	W	34	0	15.7
33	Primary Metal Industries	1,271	50,730	4,833	665	413	W	13,437	W	41	56	9.2
34	Fabricated Metal Products	198	17,128	W	103	126	658	213	W	W	0	19.5
35	Industrial Machinery and Equipment	130	14,850	176	319	60	398	484	0	2	0	14.6
36	Electronic and Other Electric Equipment	63	8,569	W	W	30	W	W	0	2	0	18.1
37	Transportation Equipment	182	17,542	W	452	84	379	959	W	8	0	17.3
38	Instruments and Related Products	19	2,476	W	4	W	W	0	0	Q	0	23.2
39	Misc. Manufacturing Industries	10	966	0	W	6	W	W	0	W	0	37.9
Total		4,873	237,676	12,403	4,228	1,670	19,951	30,388	12,396	1,204	66	6.1
South Census Region												
RSE Column Factors:		0.5	0.4	1.4	1.3	0.5	1.1	1.3	2.2	1.0	1.8	
20	Food and Kindred Products	362	19,282	1,495	W	158	W	W	W	100	0	9.6
21	Tobacco Products	19	W	W	W	3	W	W	0	W	0	27.3
22	Textile Mill Products	267	30,046	1,625	963	93	W	W	0	11	0	16.7
23	Apparel and Other Textile Products	31	4,262	W	W	13	W	W	0	W	0	23.1
24	Lumber and Wood Products	242	9,387	W	2,062	17	W	W	0	178	0	13.5
25	Furniture and Fixtures	32	3,354	49	66	8	107	58	0	11	0	15.1
26	Paper and Allied Products	1,632	28,425	12,971	892	286	464	7,443	0	988	0	5.3
27	Printing and Publishing	36	6,096	W	W	13	103	0	0	1	0	19.9
28	Chemicals and Allied Products	4,372	87,941	W	W	2,045	416,309	9,252	154	357	157	7.2
29	Petroleum and Coal Products ^h	3,705	17,958	2,910	W	537	W	W	W	3,123	Q	10.6
30	Rubber and Misc. Plastics Products	113	17,270	835	353	40	358	73	0	2	0	9.9
31	Leather and Leather Products	1	W	W	W	*	W	0	0	W	0	43.7
32	Stone, Clay and Glass Products	382	14,618	W	1,167	178	W	4,958	W	26	0	11.7
33	Primary Metal Industries	620	47,575	1,050	660	201	411	7,491	4,438	14	82	9.9
34	Fabricated Metal Products	73	8,293	W	195	40	297	W	0	W	0	16.4
35	Industrial Machinery and Equipment	58	8,813	W	97	25	281	0	W	1	0	15.2
36	Electronic and Other Electric Equipment	80	11,194	54	98	26	206	67	25	11	0	18.0
37	Transportation Equipment	90	11,221	W	277	35	379	W	W	7	0	16.9
38	Instruments and Related Products	20	4,049	W	W	5	12	0	0	1	0	29.4
39	Misc. Manufacturing Industries	14	1,959	27	W	5	W	0	0	W	0	32.1
Total		12,150	332,754	35,521	10,069	3,726	422,755	32,656	4,785	4,833	301	5.0

See footnotes at end of table.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total ^b (trillion Btu)	Net Electricity ^c (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^d (1000 bbl)	Natural Gas ^e (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^f (trillion Btu)	Shipments ^g (trillion Btu)	RSE Row Factors
West Census Region												
RSE Column Factors:		0.5	0.4	1.3	1.2	0.6	1.1	1.3	1.3	0.9	3.2	
20	Food and Kindred Products	245	9,065	618	1,195	148	W	1,146	W	24	0	9.9
21	Tobacco Products	0	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	5	W	0	0	3	W	0	0	W	0	33.7
23	Apparel and Other Textile Products	W	654	0	0	2	W	0	0	*	0	38.2
24	Lumber and Wood Products	156	6,276	W	1,612	14	W	0	0	109	0	15.8
25	Furniture and Fixtures	4	664	0	*	2	20	0	0	*	0	31.4
26	Paper and Allied Products	366	12,260	1,814	92	113	W	W	0	184	0	9.0
27	Printing and Publishing	14	2,182	0	W	5	W	0	0	W	0	22.5
28	Chemicals and Allied Products	221	12,979	W	W	123	W	1,148	W	17	W	18.8
29	Petroleum and Coal Products ^h	1,077	6,963	2,506	1,122	127	W	W	0	888	24	10.2
30	Rubber and Misc. Plastics Products	W	3,749	W	W	6	W	W	0	*	0	23.6
31	Leather and Leather Products	W	W	0	0	W	Q	0	0	W	0	74.3
32	Stone, Clay and Glass Products	173	6,407	W	929	63	191	2,915	W	11	0	15.5
33	Primary Metal Industries	227	28,379	W	W	71	W	W	W	16	W	8.7
34	Fabricated Metal Products	W	3,326	0	41	17	W	0	W	W	0	23.2
35	Industrial Machinery and Equipment	21	3,849	0	30	7	53	0	0	*	0	22.1
36	Electronic and Other Electric Equipment	30	6,027	0	W	8	W	0	0	W	0	20.4
37	Transportation Equipment	51	6,487	W	150	21	W	0	0	6	0	22.5
38	Instruments and Related Products	17	3,208	0	W	W	W	0	0	*	0	19.2
39	Misc. Manufacturing Industries	W	978	0	W	2	W	0	0	*	0	44.0
Total		2,676	113,899	5,856	5,719	737	9,163	7,265	705	1,266	29	6.0

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^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 or as feedstock/raw material inputs. See also Footnote "h".

^g "Shipments" are shipments of energy sources produced onsite, which 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.

^h 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 to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Industry Group and Selected Industries, 1994: Part 2
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total ^b (trillion Btu)	Net Electricity ^c (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^d (1000 bbl)	Natural Gas ^e (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^f (trillion Btu)	Shipments ^g (trillion Btu)	RSE Row Factors
RSE Column Factors:		0.5	0.5	1.2	1.1	0.6	1.1	1.2	1.5	1.1	1.8	
20	Food and Kindred Products	1,193	58,004	4,785	3,181	613	W	7,500	W	141	0	5.7
2011	Meat Packing Plants	53	3,924	138	101	35	W	W	0	2	0	16.0
2033	Canned Fruits and Vegetables	51	1,432	241	119	42	W	W	0	*	0	15.7
2037	Frozen Fruits and Vegetables	42	2,901	204	62	27	76	0	0	2	0	18.0
2046	Wet Corn Milling	173	5,662	169	10	67	9	3,556	6	5	0	20.4
2051	Bread, Cake, and Related Products	37	2,436	Q	131	26	89	0	0	*	0	21.8
2061	Cane Sugar, Except Refining	111	W	W	220	2	W	W	0	105	0	19.1
2062	Cane Sugar Refining	23	125	313	97	16	4	0	0	4	0	29.6
2063	Beet Sugar	64	425	270	W	18	W	1,790	W	*	0	3.5
2075	Soybean Oil Mills	57	1,845	147	W	30	W	682	0	3	0	1.4
2082	Malt Beverages	51	2,311	W	21	21	W	789	0	*	0	8.1
21	Tobacco Products	W	842	133	W	W	W	W	0	W	0	25.5
22	Textile Mill Products	310	32,614	2,680	1,274	113	999	1,821	0	14	0	13.1
23	Apparel and Other Textile Products	W	7,735	W	106	25	W	W	0	W	0	20.9
24	Lumber and Wood Products	491	19,836	389	4,314	47	W	W	0	341	0	9.3
2421	Sawmills and Planing Mills, General	201	6,556	W	1,206	11	W	0	0	160	0	14.3
2436	Softwood Veneer and Plywood	74	2,517	Q	251	3	168	0	0	61	0	15.3
2493	Reconstituted Wood Products	98	4,453	198	128	17	W	W	0	60	0	14.2
25	Furniture and Fixtures	69	6,590	60	154	23	211	115	0	18	0	13.4
2511	Wood Furniture, Except Upholstered	24	2,146	47	62	2	59	56	0	13	0	15.6
26	Paper and Allied Products	2,665	65,479	27,444	1,564	558	1,334	13,812	0	1,373	0	3.6
2611	Pulp Mills	W	2,190	3,583	178	21	W	328	0	W	0	13.5
2621	Paper Mills	1,297	34,419	14,942	746	264	476	8,783	0	612	0	5.5
2631	Paperboard Mills	954	13,512	7,914	314	194	119	4,552	0	556	0	2.9
27	Printing and Publishing	112	17,409	W	264	46	W	0	0	2	0	10.6
28	Chemicals and Allied Products	5,328	152,482	17,457	2,324	2,495	435,926	13,239	449	442	166	6.4
2812	Alkalies and Chlorine	135	13,424	W	53	52	W	W	0	16	0	9.1
2813	Industrial Gases	104	23,525	0	W	23	W	15	29	1	W	25.9
2816	Inorganic Pigments	51	2,393	159	W	21	W	W	W	11	0	10.1
2819	Industrial Inorganic Chemicals, nec.	377	42,239	W	264	145	W	W	352	28	*	14.6
2821	Plastics Materials and Resins	642	16,408	542	153	234	89,084	875	0	26	21	9.1
2822	Synthetic Rubber	102	2,276	W	W	53	6,899	190	0	9	0	26.2
2823	Cellulosic Manmade Fibers	28	419	0	23	W	W	W	0	W	0	1.2
2824	Organic Fibers, Noncellulosic	116	7,093	1,435	88	39	W	W	0	W	W	8.3
2861	Gum and Wood Chemicals	28	211	*	W	4	W	164	W	19	0	7.4
2865	Cyclic Crudes and Intermediates	206	4,789	W	204	98	W	152	0	35	0	19.5
2869	Industrial Organic Chemicals, nec.	2,369	18,786	795	319	1,037	282,371	W	W	250	142	9.8
2873	Nitrogenous Fertilizers	622	3,817	0	30	589	4	0	0	2	0	14.0
2874	Phosphatic Fertilizers	46	1,131	W	W	13	3	W	0	25	0	6.4
2895	Carbon Black	80	W	9,344	W	19	W	0	0	*	0	13.3
29	Petroleum and Coal Products	6,339	35,440	11,234	3,821	788	11,729	W	W	5,344	87	7.9
2911	Petroleum Refining ^h	6,263	33,335	10,891	1,159	734	W	W	0	5,271	0	5.5
30	Rubber and Misc. Plastics Products	287	43,749	1,600	620	107	920	221	0	6	0	7.7
3011	Tires and Inner Tubes	49	4,664	720	115	22	95	81	0	2	0	9.9
308	Miscellaneous Plastics Products, nec.	192	33,961	497	267	62	725	82	0	3	0	11.6
31	Leather and Leather Products	W	828	250	W	W	W	0	0	*	0	21.9
32	Stone, Clay and Glass Products	944	36,018	1,187	3,970	419	1,062	12,423	320	73	0	7.7
3211	Flat Glass	52	1,468	244	11	44	20	0	0	1	0	20.3
3221	Glass Containers	83	4,268	336	75	64	98	0	0	*	0	8.3
3229	Pressed and Blown Glass, nec.	63	3,233	W	57	49	W	0	0	*	0	11.1
3241	Cement, Hydraulic	327	10,784	158	856	24	9	9,174	150	53	0	12.6
3274	Lime	96	1,151	105	251	12	5	2,980	82	9	0	20.8
3296	Mineral Wool	51	3,401	W	16	36	W	0	86	*	0	15.0
33	Primary Metal Industries	2,462	144,466	6,871	2,190	787	1,488	34,888	17,238	85	334	6.3
331	Blast Furnace and Basic Steel Prod.	1,747	53,269	6,680	W	511	W	34,211	15,673	33	334	9.2
3312	Blast Furnaces and Steel Mills	1,649	43,520	6,659	W	469	W	33,609	15,628	26	334	7.7
3313	Electrometallurgical Products	38	4,796	0	21	2	5	588	Q	5	0	40.7
3321	Gray and Ductile Iron Foundries	94	8,820	Q	113	32	141	35	1,166	1	*	13.0
3331	Primary Copper	32	1,581	W	W	21	W	W	0	W	0	1.1
3334	Primary Aluminum	241	53,552	W	125	16	W	W	W	40	0	1.4
3339	Primary Nonferrous Metals, nec.	45	4,151	W	W	12	17	435	W	2	0	15.0
3353	Aluminum Sheet, Plate, and Foil	73	4,835	0	W	51	54	W	0	3	0	6.9

See footnotes at end of table.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Industry Group and Selected Industries, 1994: Part 2 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total ^b (trillion Btu)	Net Electricity ^c (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^d (1000 bbl)	Natural Gas ^e (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^f (trillion Btu)	Shipments ^g (trillion Btu)	RSE Row Factors
RSE Column Factors:		0.5	0.5	1.2	1.1	0.6	1.1	1.2	1.5	1.1	1.8	
34	Fabricated Metal Products	367	33,819	W	749	214	1,341	W	W	Q	0	13.7
35	Industrial Machinery and Equipment	246	32,037	W	698	108	907	484	W	5	0	9.4
357	Computer and Office Equipment	20	4,179	W	23	5	W	0	0	*	0	28.6
36	Electronic and Other Electric Equip.	243	33,148	415	296	85	629	W	W	Q	0	13.0
37	Transportation Equipment	363	38,773	1,781	1,159	153	934	1,245	69	23	0	10.7
3711	Motor Vehicles and Car Bodies	107	8,845	300	86	52	92	571	0	8	0	22.0
3714	Motor Vehicle Parts and Accessories ...	119	13,417	W	146	54	384	444	W	3	0	18.1
38	Instruments and Related Products	107	13,490	589	237	28	W	W	0	3	0	17.7
3841	Surgical and Medical Instruments	7	1,347	16	13	2	30	0	0	*	0	24.0
39	Misc. Manufacturing Industries	W	5,575	142	209	19	166	37	0	W	0	21.8
	Total	21,663	778,335	78,010	27,196	6,635	461,028	88,349	18,252	7,926	587	3.7

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^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 or as feedstock/raw material inputs. See also Footnote "h".

^g "Shipments" are shipments of energy sources produced onsite, which 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.

^h 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 to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Census Region and Industry Group, 1994: Part 3
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	Shipments ^g	RSE Row Factors
Total United States												
RSE Column Factors:		0.5	0.4	1.2	1.2	0.5	1.1	1.4	1.9	1.1	2.3	
20	Food and Kindred Products	1,193	198	30	19	631	W	165	W	141	0	5.9
21	Tobacco Products	W	3	1	W	W	W	W	0	W	0	27.2
22	Textile Mill Products	310	111	17	7	117	4	40	0	14	0	13.8
23	Apparel and Other Textile Products	W	26	W	1	25	W	W	0	W	0	22.8
24	Lumber and Wood Products	491	68	2	25	48	W	W	0	341	0	9.9
25	Furniture and Fixtures	69	22	*	1	24	1	3	0	18	0	14.3
26	Paper and Allied Products	2,665	223	173	9	575	5	307	0	1,373	0	3.8
27	Printing and Publishing	112	59	W	2	48	W	0	0	2	0	11.5
28	Chemicals and Allied Products	5,328	520	110	14	2,569	1,535	293	11	442	166	6.4
29	Petroleum and Coal Products ^h	6,339	121	71	22	811	47	W	W	5,344	87	8.1
30	Rubber and Misc. Plastics Products	287	149	10	4	110	3	5	0	6	0	8.2
31	Leather and Leather Products	W	3	2	W	W	W	0	0	*	0	23.7
32	Stone, Clay and Glass Products	944	123	7	23	432	4	274	8	73	0	7.9
33	Primary Metal Industries	2,462	493	43	13	811	5	922	424	85	334	6.3
34	Fabricated Metal Products	367	115	W	4	220	5	W	W	Q	0	14.1
35	Industrial Machinery and Equipment	246	109	W	4	111	3	11	W	5	0	10.0
36	Electronic and Other Electric Equipment	243	113	3	2	88	2	W	W	Q	0	13.4
37	Transportation Equipment	363	132	11	7	157	3	28	2	23	0	10.9
38	Instruments and Related Products	107	46	4	1	29	W	W	0	3	0	18.8
39	Misc. Manufacturing Industries	W	19	1	1	19	1	1	0	W	0	23.3
Total		21,663	2,656	490	158	6,835	1,631	2,105	449	7,926	587	3.7
Northeast Census Region												
RSE Column Factors:		0.5	0.4	0.9	1.0	0.6	1.2	1.7	2.0	1.1	1.8	
20	Food and Kindred Products	93	21	9	W	51	W	W	0	4	0	14.6
21	Tobacco Products	W	*	W	W	W	W	0	0	W	0	39.7
22	Textile Mill Products	32	6	7	W	14	1	W	0	3	0	17.2
23	Apparel and Other Textile Products	W	7	W	W	6	W	0	0	W	0	46.2
24	Lumber and Wood Products	W	4	W	W	3	W	0	0	W	0	25.8
25	Furniture and Fixtures	6	1	*	*	2	*	0	0	1	0	26.9
26	Paper and Allied Products	W	32	74	2	48	W	45	0	W	0	8.0
27	Printing and Publishing	21	11	W	1	9	W	0	0	W	0	19.0
28	Chemicals and Allied Products	163	38	21	W	59	W	W	0	18	W	10.1
29	Petroleum and Coal Products ^h	502	10	13	8	40	W	W	0	422	0	11.9
30	Rubber and Misc. Plastics Products	W	22	W	W	14	W	1	0	1	0	15.7
31	Leather and Leather Products	W	1	1	W	W	*	0	0	W	0	30.0
32	Stone, Clay and Glass Products	128	18	W	W	67	1	33	W	2	0	14.1
33	Primary Metal Industries	344	61	W	W	106	W	W	W	14	W	14.2
34	Fabricated Metal Products	W	17	2	2	32	W	W	W	W	0	17.5
35	Industrial Machinery and Equipment	37	15	1	1	16	1	0	0	2	0	15.6
36	Electronic and Other Electric Equipment	70	25	W	1	22	1	W	W	W	0	24.1
37	Transportation Equipment	41	12	6	2	13	W	W	0	2	0	17.2
38	Instruments and Related Products	52	13	3	1	10	W	W	0	1	0	21.3
39	Misc. Manufacturing Industries	21	6	1	1	6	*	W	0	W	0	27.1
Total		1,964	321	152	42	518	34	458	9	622	191	6.1

See footnotes at end of table.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	Shipments ^g	RSE Row Factors
Midwest Census Region												
RSE Column Factors:		0.5	0.5	1.6	1.2	0.5	1.2	1.2	1.4	1.2	1.9	
20	Food and Kindred Products	492	80	7	2	265	W	121	W	14	0	9.6
21	Tobacco Products	W	W	0	W	W	0	0	0	W	0	54.3
22	Textile Mill Products	6	W	0	W	4	W	0	0	W	0	30.3
23	Apparel and Other Textile Products	7	3	0	W	4	W	0	0	W	0	32.7
24	Lumber and Wood Products	W	10	W	W	13	1	W	0	W	0	20.8
25	Furniture and Fixtures	27	7	*	*	12	*	1	0	Q	0	22.7
26	Paper and Allied Products	W	53	5	1	117	W	W	0	W	0	7.1
27	Printing and Publishing	42	20	*	W	20	W	0	0	1	0	15.5
28	Chemicals and Allied Products	573	138	4	1	278	52	W	W	50	9	11.3
29	Petroleum and Coal Products ^h	1,054	26	24	W	88	5	W	0	910	Q	9.9
30	Rubber and Misc. Plastics Products	112	55	W	W	50	1	W	0	2	0	14.0
31	Leather and Leather Products	W	W	W	W	W	W	0	0	W	0	33.2
32	Stone, Clay and Glass Products	261	33	W	W	117	W	67	W	34	0	15.7
33	Primary Metal Industries	1,271	173	30	4	425	W	352	W	41	56	9.2
34	Fabricated Metal Products	198	58	W	1	130	2	5	W	W	0	19.5
35	Industrial Machinery and Equipment	130	51	1	2	62	1	11	0	2	0	14.6
36	Electronic and Other Electric Equipment	63	29	W	W	31	W	W	0	2	0	18.1
37	Transportation Equipment	182	60	W	3	86	1	21	W	8	0	17.4
38	Instruments and Related Products	19	8	W	*	W	W	0	0	Q	0	23.2
39	Misc. Manufacturing Industries	10	3	0	W	7	W	W	0	W	0	37.9
Total		4,873	811	78	25	1,720	70	727	306	1,204	66	6.0
South Census Region												
RSE Column Factors:		0.5	0.4	1.4	1.3	0.5	1.1	1.3	2.2	1.0	1.8	
20	Food and Kindred Products	362	66	9	W	163	W	W	W	100	0	9.6
21	Tobacco Products	19	W	W	W	3	W	W	0	W	0	27.2
22	Textile Mill Products	267	103	10	6	96	W	W	0	11	0	16.6
23	Apparel and Other Textile Products	31	15	W	W	14	W	W	0	W	0	23.1
24	Lumber and Wood Products	242	32	W	12	18	W	W	0	178	0	13.5
25	Furniture and Fixtures	32	11	*	*	8	*	1	0	11	0	15.1
26	Paper and Allied Products	1,632	97	82	5	294	2	165	0	988	0	5.3
27	Printing and Publishing	36	21	W	W	13	*	0	0	1	0	19.9
28	Chemicals and Allied Products	4,372	300	W	W	2,106	1,467	205	4	357	157	7.2
29	Petroleum and Coal Products ^h	3,705	61	18	W	553	W	W	W	3,123	Q	10.6
30	Rubber and Misc. Plastics Products	113	59	5	2	41	1	2	0	2	0	9.9
31	Leather and Leather Products	1	W	W	W	*	W	0	0	W	0	43.7
32	Stone, Clay and Glass Products	382	50	W	7	183	W	109	W	26	0	11.7
33	Primary Metal Industries	620	162	7	4	207	2	198	109	14	82	9.9
34	Fabricated Metal Products	73	28	W	1	41	1	W	0	W	0	16.4
35	Industrial Machinery and Equipment	58	30	W	1	25	1	0	W	1	0	15.2
36	Electronic and Other Electric Equipment	80	38	*	1	27	1	1	1	11	0	18.0
37	Transportation Equipment	90	38	W	2	36	1	W	W	7	0	16.9
38	Instruments and Related Products	20	14	W	W	5	*	0	0	1	0	29.4
39	Misc. Manufacturing Industries	14	7	*	W	5	W	0	0	W	0	32.1
Total		12,150	1,135	223	59	3,838	1,490	754	117	4,833	301	5.1

See footnotes at end of table.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	Shipments ^g	RSE Row Factors
West Census Region												
RSE Column Factors:		0.5	0.4	1.3	1.2	0.6	1.1	1.3	1.3	0.9	3.2	
20	Food and Kindred Products	245	31	4	7	152	W	25	W	24	0	9.9
21	Tobacco Products	0	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	5	W	0	0	3	W	0	0	W	0	33.6
23	Apparel and Other Textile Products	W	2	0	0	2	W	0	0	*	0	38.3
24	Lumber and Wood Products	156	21	W	9	14	W	0	0	109	0	16.1
25	Furniture and Fixtures	4	2	0	*	2	*	0	0	*	0	31.4
26	Paper and Allied Products	366	42	11	1	116	W	W	0	184	0	9.0
27	Printing and Publishing	14	7	0	W	6	W	0	0	W	0	22.5
28	Chemicals and Allied Products	221	44	W	W	126	W	25	W	17	W	18.7
29	Petroleum and Coal Products ^h	1,077	24	16	7	131	W	W	0	888	24	10.3
30	Rubber and Misc. Plastics Products	W	13	W	W	6	W	W	0	*	0	23.6
31	Leather and Leather Products	W	W	0	0	W	*	0	0	W	0	74.4
32	Stone, Clay and Glass Products	173	22	W	5	65	1	64	W	11	0	15.5
33	Primary Metal Industries	227	97	W	W	73	W	W	W	16	W	8.7
34	Fabricated Metal Products	W	11	0	*	17	W	0	W	W	0	23.2
35	Industrial Machinery and Equipment	21	13	0	*	8	*	0	0	*	0	22.1
36	Electronic and Other Electric Equipment	30	21	0	W	8	W	0	0	W	0	20.4
37	Transportation Equipment	51	22	W	1	22	W	0	0	6	0	22.5
38	Instruments and Related Products	17	11	0	W	W	W	0	0	*	0	19.2
39	Misc. Manufacturing Industries	W	3	0	W	2	W	0	0	*	0	44.0
Total		2,676	389	37	33	759	37	166	17	1,266	29	6.0

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^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 or as feedstock/raw material inputs. See also Footnote "h".

^g "Shipments" are shipments of energy sources produced onsite, which 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.

^h 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 to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Industry Group and Selected Industries, 1994: Part 4
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	Shipments ^g	RSE Row Factors
RSE Column Factors:		0.5	0.5	1.2	1.1	0.6	1.1	1.2	1.5	1.1	1.8	
20	Food and Kindred Products	1,193	198	30	19	631	W	165	W	141	0	5.7
2011	Meat Packing Plants	53	13	1	1	36	W	W	0	2	0	16.0
2033	Canned Fruits and Vegetables	51	5	2	1	43	W	W	0	*	0	15.7
2037	Frozen Fruits and Vegetables	42	10	1	*	28	*	0	0	2	0	18.0
2046	Wet Corn Milling	173	19	1	*	68	*	78	*	5	0	20.4
2051	Bread, Cake, and Related Products	37	8	*	1	27	*	0	0	*	0	21.8
2061	Cane Sugar, Except Refining	111	W	W	1	2	W	W	0	105	0	19.1
2062	Cane Sugar Refining	23	*	2	1	16	*	0	0	4	0	29.6
2063	Beet Sugar	64	1	2	W	19	W	39	W	*	0	3.5
2075	Soybean Oil Mills	57	6	1	W	31	W	15	0	3	0	1.4
2082	Malt Beverages	51	8	W	*	22	W	17	0	*	0	8.1
21	Tobacco Products	W	3	1	W	W	W	W	0	W	0	25.5
22	Textile Mill Products	310	111	17	7	117	4	40	0	14	0	13.1
23	Apparel and Other Textile Products	W	26	W	1	25	W	W	0	W	0	20.9
24	Lumber and Wood Products	491	68	2	25	48	W	W	0	341	0	9.3
2421	Sawmills and Planing Mills, General	201	22	W	7	11	W	0	0	160	0	14.3
2436	Softwood Veneer and Plywood	74	9	*	1	3	1	0	0	61	0	15.3
2493	Reconstituted Wood Products	98	15	1	1	18	W	W	0	60	0	14.2
25	Furniture and Fixtures	69	22	*	1	24	1	3	0	18	0	13.4
2511	Wood Furniture, Except Upholstered	24	7	*	*	2	*	1	0	13	0	15.6
26	Paper and Allied Products	2,665	223	173	9	575	5	307	0	1,373	0	3.6
2611	Pulp Mills	W	7	23	1	22	W	7	0	W	0	13.5
2621	Paper Mills	1,297	117	94	4	272	2	195	0	612	0	5.5
2631	Paperboard Mills	954	46	50	2	199	*	101	0	556	0	2.9
27	Printing and Publishing	112	59	W	2	48	W	0	0	2	0	10.6
28	Chemicals and Allied Products	5,328	520	110	14	2,569	1,535	293	11	442	166	6.4
2812	Alkalies and Chlorine	135	46	W	*	54	W	W	0	16	0	9.1
2813	Industrial Gases	104	80	0	W	23	W	*	1	1	W	25.9
2816	Inorganic Pigments	51	8	1	W	22	W	W	W	11	0	10.0
2819	Industrial Inorganic Chemicals, nec.	377	144	W	2	150	W	W	9	28	*	14.5
2821	Plastics Materials and Resins	642	56	3	1	241	317	19	0	26	21	9.1
2822	Synthetic Rubber	102	8	W	W	55	25	4	0	9	0	26.2
2823	Cellulosic Manmade Fibers	28	1	0	*	W	W	W	0	W	0	1.2
2824	Organic Fibers, Noncellulosic	116	24	9	1	40	W	W	0	W	W	8.3
2861	Gum and Wood Chemicals	28	1	*	W	4	W	4	W	19	0	7.4
2865	Cyclic Crudes and Intermediates	206	16	W	1	101	W	3	0	35	0	19.5
2869	Industrial Organic Chemicals, nec.	2,369	64	5	2	1,068	1,008	W	W	250	142	9.8
2873	Nitrogenous Fertilizers	622	13	0	*	606	*	0	0	2	0	14.0
2874	Phosphatic Fertilizers	46	4	W	W	14	*	W	0	25	0	6.4
2895	Carbon Black	80	W	59	W	20	W	0	0	*	0	13.2
29	Petroleum and Coal Products	6,339	121	71	22	811	47	W	W	5,344	87	8.1
2911	Petroleum Refining ^h	6,263	114	68	7	756	W	W	0	5,271	0	5.6
30	Rubber and Misc. Plastics Products	287	149	10	4	110	3	5	0	6	0	7.7
3011	Tires and Inner Tubes	49	16	5	1	23	*	2	0	2	0	9.9
308	Miscellaneous Plastics Products, nec.	192	116	3	2	64	3	2	0	3	0	11.6
31	Leather and Leather Products	W	3	2	W	W	W	0	0	*	0	21.9
32	Stone, Clay and Glass Products	944	123	7	23	432	4	274	8	73	0	7.7
3211	Flat Glass	52	5	2	*	45	*	0	0	1	0	20.3
3221	Glass Containers	83	15	2	*	66	*	0	0	*	0	8.3
3229	Pressed and Blown Glass, nec.	63	11	W	*	51	W	0	0	*	0	11.1
3241	Cement, Hydraulic	327	37	1	5	25	*	202	4	53	0	12.6
3274	Lime	96	4	1	1	13	*	66	2	9	0	20.8
3296	Mineral Wool	51	12	W	*	37	W	0	2	*	0	15.0
33	Primary Metal Industries	2,462	493	43	13	811	5	922	424	85	334	6.3
331	Blast Furnace and Basic Steel Products ..	1,747	182	42	W	526	W	906	386	33	334	9.3
3312	Blast Furnaces and Steel Mills	1,649	148	42	W	484	W	893	385	26	334	7.7
3313	Electrometallurgical Products	38	16	0	*	3	*	13	Q	5	0	40.7
3321	Gray and Ductile Iron Foundries	94	30	*	1	33	1	1	29	1	*	13.0
3331	Primary Copper	32	5	W	W	22	W	W	0	W	0	1.1
3334	Primary Aluminum	241	183	W	1	17	W	W	W	40	0	1.4
3339	Primary Nonferrous Metals, nec.	45	14	W	W	12	*	10	W	2	0	15.0
3353	Aluminum Sheet, Plate, and Foil	73	16	0	W	53	*	W	0	3	0	6.9

See footnotes at end of table.

Table A1. Total First Use (formerly Primary Consumption) of Energy for All Purposes by Industry Group and Selected Industries, 1994: Part 4 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	Shipments ^g	RSE Row Factors
RSE Column Factors:		0.5	0.5	1.2	1.1	0.6	1.1	1.2	1.5	1.1	1.8	
34	Fabricated Metal Products	367	115	W	4	220	5	W	W	Q	0	13.7
35	Industrial Machinery and Equipment	246	109	W	4	111	3	11	W	5	0	9.4
357	Computer and Office Equipment	20	14	W	*	5	W	0	0	*	0	28.6
36	Electronic and Other Electric Equipment ..	243	113	3	2	88	2	W	W	Q	0	13.0
37	Transportation Equipment	363	132	11	7	157	3	28	2	23	0	10.6
3711	Motor Vehicles and Car Bodies	107	30	2	*	53	*	13	0	8	0	22.0
3714	Motor Vehicle Parts and Accessories	119	46	W	1	56	1	10	W	3	0	18.1
38	Instruments and Related Products	107	46	4	1	29	W	W	0	3	0	17.7
3841	Surgical and Medical Instruments	7	5	*	*	2	*	0	0	*	0	24.0
39	Misc. Manufacturing Industries	W	19	1	1	19	1	1	0	W	0	21.9
Total		21,663	2,656	490	158	6,835	1,631	2,105	449	7,926	587	3.7

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^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 or as feedstock/raw material inputs. See also Footnote "h".

^g "Shipments" are shipments of energy sources produced onsite, which 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.

^h 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 to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A1. Number of Establishments by Total First Use (formerly Primary Consumption) of Energy for All Purposes, by Industry Group and Selected Industries, 1994: Part 5

SIC Code ^a	Industry Group and Industry	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	RSE Row Factors
RSE Column Factors:		0.2	0.2	2.4	1.5	0.7	1.4	2.2	2.5	1.4	
20	Food and Kindred Products	14,695	14,637	575	3,255	11,208	3,898	173	32	2,365	4.4
2011	Meat Packing Plants	759	759	21	144	528	121	W	0	107	9.7
2033	Canned Fruits and Vegetables	531	531	53	99	507	287	W	0	121	7.4
2037	Frozen Fruits and Vegetables	232	231	Q	Q	195	Q	0	0	Q	8.6
2046	Wet Corn Milling	58	58	4	20	48	16	20	W	17	5.9
2051	Bread, Cake, and Related Products	1,303	1,303	13	250	1,011	179	0	0	162	12.5
2061	Cane Sugar, Except Refining	43	43	12	26	25	6	W	0	39	4.7
2062	Cane Sugar Refining	20	20	8	15	11	11	0	0	8	7.3
2063	Beet Sugar	41	41	13	30	36	28	28	W	25	1.2
2075	Soybean Oil Mills	95	92	13	40	88	14	18	0	38	1.1
2082	Malt Beverages	140	140	47	35	133	80	33	0	61	4.6
21	Tobacco Products	121	121	42	42	94	48	31	0	48	4.6
22	Textile Mill Products	4,427	4,427	441	679	2,517	1,295	85	0	635	9.1
23	Apparel and Other Textile Products	18,019	17,754	20	876	8,885	1,330	5	0	584	10.5
24	Lumber and Wood Products	21,425	18,896	114	9,280	7,561	5,089	8	0	6,024	7.4
2421	Sawmills and Planing Mills, General	3,406	3,191	Q	2,045	657	447	0	0	1,391	10.1
2436	Softwood Veneer and Plywood	182	182	W	158	67	160	0	0	174	3.6
2493	Reconstituted Wood Products	246	246	Q	101	132	129	W	0	109	19.8
25	Furniture and Fixtures	7,686	7,535	43	584	5,109	2,681	85	0	863	9.3
2511	Wood Furniture, Except Upholstered	1,543	1,543	25	240	776	460	62	0	394	12.3
26	Paper and Allied Products	5,582	5,547	382	876	4,291	2,343	173	0	949	4.8
2611	Pulp Mills	55	55	26	38	40	38	7	0	41	3.1
2621	Paper Mills	310	310	153	166	232	200	80	0	211	1.8
2631	Paperboard Mills	219	219	101	102	189	121	57	0	116	1.2
27	Printing and Publishing	37,384	37,335	82	1,857	22,688	3,601	0	0	850	8.9
28	Chemicals and Allied Products	9,552	9,555	355	2,701	6,795	2,752	150	24	2,162	5.3
2812	Alkalies and Chlorine	44	44	3	23	33	15	3	0	30	2.8
2813	Industrial Gases	613	617	0	10	152	12	W	W	35	9.6
2816	Inorganic Pigments	81	81	7	32	66	47	7	3	30	2.8
2819	Industrial Inorganic Chemicals, nec.	568	568	27	286	497	172	17	6	268	6.7
2821	Plastics Materials and Resins	456	456	49	161	395	250	15	0	224	5.2
2822	Synthetic Rubber	63	63	6	20	53	28	4	0	24	6.0
2823	Cellulosic Manmade Fibers	11	11	0	6	6	3	4	0	7	1.3
2824	Organic Fibers, Noncellulosic	73	73	23	33	62	39	13	0	25	2.3
2861	Gum and Wood Chemicals	60	60	W	38	22	22	13	W	41	2.9
2865	Cyclic Crudes and Intermediates	187	187	39	73	178	82	7	0	107	5.4
2869	Industrial Organic Chemicals, nec.	631	631	40	250	551	211	25	W	218	7.0
2873	Nitrogenous Fertilizers	118	117	0	52	79	28	0	0	48	4.2
2874	Phosphatic Fertilizers	66	68	5	46	51	13	4	0	31	2.0
2895	Carbon Black	23	23	17	12	23	W	0	0	10	4.0
29	Petroleum and Coal Products	1,948	1,960	115	826	1,148	696	15	W	448	8.4
2911	Petroleum Refining ^g	246	246	72	82	218	99	5	0	187	1.9
30	Rubber and Misc. Plastics Products	11,952	11,942	208	1,051	8,990	4,240	23	0	1,718	6.3
3011	Tires and Inner Tubes	112	112	32	69	112	88	8	0	69	4.7
308	Miscellaneous Plastics Products, nec.	9,967	9,957	114	617	7,422	3,726	6	0	1,389	6.7
31	Leather and Leather Products	1,356	1,356	54	108	975	158	0	0	127	11.8
32	Stone, Clay and Glass Products	11,891	11,815	76	3,914	7,017	2,335	235	46	2,563	6.0
3211	Flat Glass	68	68	W	43	62	47	0	0	39	3.9
3221	Glass Containers	78	78	11	30	78	45	0	0	35	2.9
3229	Pressed and Blown Glass, nec.	163	163	W	39	163	36	0	0	101	10.1
3241	Cement, Hydraulic	190	190	11	157	127	72	150	13	144	6.3
3274	Lime	84	83	3	68	53	23	46	5	53	5.6
3296	Mineral Wool	174	174	W	103	169	115	0	25	107	3.2
33	Primary Metal Industries	5,171	5,117	91	1,299	4,652	2,273	146	266	1,882	4.9
331	Blast Furnace and Basic Steel Products	981	981	43	318	931	495	83	56	369	5.2
3312	Blast Furnaces and Steel Mills	284	284	26	155	261	103	61	51	149	2.1
3313	Electrometallurgical Products	36	36	0	18	32	18	11	Q	22	10.8
3321	Gray and Ductile Iron Foundries	517	517	Q	289	488	291	Q	171	316	7.4
3331	Primary Copper	20	20	W	8	18	5	W	0	7	1.1
3334	Primary Aluminum	44	44	W	36	42	28	10	W	36	3.6
3339	Primary Nonferrous Metals, nec.	88	88	W	25	72	32	6	7	36	8.5
3353	Aluminum Sheet, Plate, and Foil	55	55	0	38	53	35	W	0	37	2.5

See footnotes at end of table.

Table A1. Number of Establishments by Total First Use (formerly Primary Consumption) of Energy for All Purposes, by Industry Group and Selected Industries, 1994: Part 5 (Continued)

SIC Code ^a	Industry Group and Industry	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	RSE Row Factors
RSE Column Factors:		0.2	0.2	2.4	1.5	0.7	1.4	2.2	2.5	1.4	
34	Fabricated Metal Products	26,262	26,251	94	2,968	20,061	8,370	68	12	7,202	7.6
35	Industrial Machinery and Equipment	33,837	33,655	97	2,793	24,479	9,290	Q	W	8,891	5.8
357	Computer and Office Equipment	1,410	1,381	W	54	1,037	Q	0	0	14	15.0
36	Electronic and Other Electric Equipment	11,254	11,254	65	748	7,536	1,920	12	4	1,593	7.8
37	Transportation Equipment	7,240	7,240	46	816	4,460	2,742	32	6	2,256	8.2
3711	Motor Vehicles and Car Bodies	322	322	W	Q	261	Q	Q	0	Q	12.0
3714	Motor Vehicle Parts and Accessories	2,062	2,062	5	145	1,603	901	22	4	707	9.8
38	Instruments and Related Products	7,059	7,059	Q	869	4,785	858	Q	0	513	10.4
3841	Surgical and Medical Instruments	878	878	3	24	578	198	0	0	47	14.5
39	Misc. Manufacturing Industries	9,994	9,994	161	856	6,644	1,352	3	0	1,234	10.4
	Total	246,855	243,452	3,146	36,398	159,896	57,271	1,496	394	42,906	3.1

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Any Energy Source" represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 1994. See Appendix B for number of establishments by SIC in the sample frame of 247,199 establishments.

^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 producers, brokers, and marketers.

^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 or as feedstock/raw material inputs. See also Footnote "g".

^g 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 to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A2. Total Consumption of LPG, Distillate Fuel Oil, and Residual Fuel Oil for Selected Purposes by Census Region and Industry Group, 1994: Part 1
(Estimates in Barrels per Day)

SIC Code ^a	Industry Group	First Use of Energy for All Purposes			Inputs for Heat, Power, and Generation of Electricity			First Use of Energy for Nonfuel Purposes			RSE Row Factors
		LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	
Total United States											
RSE Column Factors:		0.7	0.8	0.8	0.7	0.8	0.8	1.9	1.9	1.6	
20	Food and Kindred Products	W	8,714	13,111	4,676	8,711	13,111	W	11	0	13.1
21	Tobacco Products	W	W	366	W	W	366	0	0	0	37.7
22	Textile Mill Products	2,737	3,490	7,343	W	W	7,343	W	*	0	22.6
23	Apparel and Other Textile Products	W	289	W	W	289	W	0	0	0	42.6
24	Lumber and Wood Products	W	11,819	1,064	W	10,392	W	W	1,427	W	18.2
25	Furniture and Fixtures	578	421	164	578	419	164	*	Q	0	20.6
26	Paper and Allied Products	3,655	4,285	75,190	3,603	4,274	75,190	W	16	0	6.2
27	Printing and Publishing	W	725	W	W	715	W	0	W	0	21.2
28	Chemicals and Allied Products	1,194,319	6,368	47,828	W	6,031	26,212	1,191,380	W	21,616	7.8
29	Petroleum and Coal Products ^c	32,135	10,468	30,777	32,107	10,006	31,172	W	Q	0	9.4
30	Rubber and Misc. Plastics Products	2,520	1,697	4,384	2,257	1,480	4,384	W	Q	0	12.6
31	Leather and Leather Products	W	W	685	W	W	685	0	*	0	31.4
32	Stone, Clay and Glass Products	2,908	10,878	3,251	2,896	10,732	3,251	W	146	0	14.7
33	Primary Metal Industries	4,077	6,001	18,826	4,032	5,825	18,823	W	176	W	12.3
34	Fabricated Metal Products	3,675	2,052	W	3,656	2,046	1,308	W	W	W	22.1
35	Industrial Machinery and Equipment	2,485	1,914	W	2,426	1,841	W	59	72	0	15.4
36	Electronic and Other Electric Equip.	1,724	811	1,138	1,704	794	1,138	W	W	0	19.7
37	Transportation Equipment	2,560	3,175	4,880	W	3,077	4,880	W	Q	0	18.5
38	Instruments and Related Products	W	651	1,615	W	652	1,615	Q	W	0	23.0
39	Misc. Manufacturing Industries	456	573	389	W	573	389	W	0	0	32.8
Total		1,263,090	74,509	213,725	71,094	71,525	192,086	1,192,052	3,218	22,033	5.3
Northeast Census Region											
RSE Column Factors:		0.9	0.8	0.7	1.0	0.8	0.7	1.8	2.1	0.0	
20	Food and Kindred Products	W	W	4,097	W	W	4,097	*	0	0	19.0
21	Tobacco Products	W	W	W	W	W	W	0	0	0	47.4
22	Textile Mill Products	640	W	2,891	640	W	2,891	W	0	0	18.4
23	Apparel and Other Textile Products	W	W	W	W	W	W	0	0	0	53.9
24	Lumber and Wood Products	W	W	W	W	677	W	16	W	0	32.5
25	Furniture and Fixtures	54	212	Q	54	212	Q	0	0	0	33.6
26	Paper and Allied Products	W	1,139	32,462	1,206	1,135	32,462	W	W	0	11.3
27	Printing and Publishing	W	388	W	W	376	W	0	W	0	27.7
28	Chemicals and Allied Products	W	W	9,263	W	2,054	9,263	12,117	W	0	14.5
29	Petroleum and Coal Products ^c	W	3,652	5,695	W	3,630	6,089	W	W	0	15.4
30	Rubber and Misc. Plastics Products	W	W	W	W	604	W	W	W	0	20.2
31	Leather and Leather Products	46	W	424	46	W	424	0	*	0	35.3
32	Stone, Clay and Glass Products	605	W	W	605	2,440	W	0	W	0	20.9
33	Primary Metal Industries	W	W	W	1,357	W	W	W	W	0	21.9
34	Fabricated Metal Products	W	1,121	846	727	1,121	831	W	0	W	27.5
35	Industrial Machinery and Equipment	482	692	520	460	687	520	W	5	0	19.1
36	Electronic and Other Electric Equip.	636	449	W	636	443	W	W	W	0	26.3
37	Transportation Equipment	W	767	2,717	W	745	2,717	W	W	0	22.1
38	Instruments and Related Products	W	552	1,517	W	552	1,517	*	0	0	26.4
39	Misc. Manufacturing Industries	142	284	316	W	284	316	W	0	0	26.8
Total		25,091	19,669	66,382	12,776	19,496	66,761	12,315	W	W	7.7

See footnotes at end of table.

Table A2. Total Consumption of LPG, Distillate Fuel Oil, and Residual Fuel Oil for Selected Purposes by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Barrels per Day)

SIC Code ^a	Industry Group	First Use of Energy for All Purposes			Inputs for Heat, Power, and Generation of Electricity			First Use of Energy for Nonfuel Purposes			RSE Row Factors
		LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	
Midwest Census Region											
RSE Column Factors:		0.7	0.8	0.9	0.7	0.8	0.9	1.4	1.5	1.8	
20	Food and Kindred Products	W	1,020	3,222	W	W	3,222	W	W	0	19.7
21	Tobacco Products	0	W	0	0	W	0	0	0	0	50.5
22	Textile Mill Products	W	W	0	W	W	0	W	W	0	43.3
23	Apparel and Other Textile Products	W	W	0	W	W	0	0	0	0	0.0
24	Lumber and Wood Products	740	W	W	737	770	W	W	W	W	30.6
25	Furniture and Fixtures	177	28	10	177	27	10	*	W	0	34.4
26	Paper and Allied Products	W	449	2,219	W	448	2,219	W	W	0	11.9
27	Printing and Publishing	W	W	*	W	W	*	0	0	0	29.4
28	Chemicals and Allied Products	41,203	518	1,850	699	W	W	40,504	W	W	18.0
29	Petroleum and Coal Products ^c	3,503	W	10,244	W	W	10,244	Q	W	0	13.7
30	Rubber and Misc. Plastics Products	657	W	W	613	W	W	W	Q	0	20.9
31	Leather and Leather Products	W	W	W	W	W	W	0	0	0	47.2
32	Stone, Clay and Glass Products	W	W	W	W	2,656	W	W	W	0	35.3
33	Primary Metal Industries	W	1,822	13,242	W	W	13,242	W	W	0	16.2
34	Fabricated Metal Products	1,801	283	W	W	277	W	W	W	0	30.4
35	Industrial Machinery and Equipment	1,089	873	483	1,069	819	483	21	54	0	25.1
36	Electronic and Other Electric Equip.	W	W	W	W	W	W	W	W	0	33.3
37	Transportation Equipment	1,039	1,239	W	1,019	1,186	W	W	W	0	33.7
38	Instruments and Related Products	W	10	W	W	8	W	*	W	0	40.5
39	Misc. Manufacturing Industries	W	W	0	W	W	0	W	0	0	58.0
Total		54,661	11,584	33,982	13,981	11,051	32,791	40,680	723	1,190	11.9
South Census Region											
RSE Column Factors:		0.7	0.8	0.9	0.7	0.8	0.9	1.4	1.9	1.5	
20	Food and Kindred Products	W	W	4,097	1,891	W	4,097	W	W	0	17.6
21	Tobacco Products	W	W	W	W	W	W	0	0	0	36.3
22	Textile Mill Products	W	2,638	4,452	W	2,638	4,452	W	W	0	29.1
23	Apparel and Other Textile Products	W	W	W	W	W	W	0	0	0	47.1
24	Lumber and Wood Products	W	5,649	W	1,002	4,540	W	W	W	0	23.7
25	Furniture and Fixtures	292	180	135	292	180	135	0	W	0	23.3
26	Paper and Allied Products	1,270	2,444	35,538	1,261	2,446	35,538	W	W	0	8.7
27	Printing and Publishing	283	W	W	283	W	W	0	0	0	31.2
28	Chemicals and Allied Products	1,140,572	W	W	1,865	3,184	16,039	1,138,759	W	W	8.4
29	Petroleum and Coal Products ^c	W	W	7,971	W	2,436	7,971	Q	Q	0	16.6
30	Rubber and Misc. Plastics Products	981	967	2,288	853	764	2,288	128	Q	0	16.2
31	Leather and Leather Products	W	W	W	W	W	W	0	0	0	55.5
32	Stone, Clay and Glass Products	W	3,196	W	W	3,112	W	6	W	0	22.9
33	Primary Metal Industries	1,127	1,809	2,878	W	1,785	W	W	25	W	20.0
34	Fabricated Metal Products	813	535	W	812	535	W	Q	*	0	29.1
35	Industrial Machinery and Equipment	769	266	W	W	262	W	14	Q	0	26.8
36	Electronic and Other Electric Equip.	563	269	149	548	259	149	W	W	0	27.3
37	Transportation Equipment	1,039	758	W	W	746	W	13	11	0	24.0
38	Instruments and Related Products	33	W	W	W	W	W	Q	0	0	35.2
39	Misc. Manufacturing Industries	W	W	74	W	W	74	W	0	0	56.7
Total		1,158,234	27,586	97,318	19,266	25,930	76,720	1,139,023	W	W	6.9

See footnotes at end of table.

Table A2. Total Consumption of LPG, Distillate Fuel Oil, and Residual Fuel Oil for Selected Purposes by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Barrels per Day)

SIC Code ^a	Industry Group	First Use of Energy for All Purposes			Inputs for Heat, Power, and Generation of Electricity			First Use of Energy for Nonfuel Purposes			RSE Row Factors
		LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	
West Census Region											
	RSE Column Factors:	0.8	0.9	1.0	0.8	0.9	1.0	1.0	1.2	1.8	
20	Food and Kindred Products	W	3,273	1,694	W	3,268	1,694	*	*	0	21.0
21	Tobacco Products	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	0	W	0	0	0	0	0	55.5
23	Apparel and Other Textile Products	W	0	0	W	0	0	0	0	0	0.0
24	Lumber and Wood Products	W	4,415	W	W	4,405	W	*	W	W	20.8
25	Furniture and Fixtures	55	*	0	55	*	0	0	0	0	38.7
26	Paper and Allied Products	W	253	4,971	W	244	4,971	W	W	0	9.7
27	Printing and Publishing	W	W	0	W	W	0	0	W	0	52.4
28	Chemicals and Allied Products	W	W	W	W	W	W	0	W	W	23.9
29	Petroleum and Coal Products ^c	W	3,073	6,867	W	W	6,867	W	W	0	10.6
30	Rubber and Misc. Plastics Products	W	W	W	W	W	W	W	W	0	35.8
31	Leather and Leather Products	Q	0	0	Q	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	524	2,546	W	W	2,524	W	4	22	0	26.7
33	Primary Metal Industries	W	W	W	W	W	519	W	0	W	7.6
34	Fabricated Metal Products	W	112	0	W	112	0	*	0	0	33.0
35	Industrial Machinery and Equipment	145	83	0	W	73	0	W	Q	0	25.3
36	Electronic and Other Electric Equip.	W	W	0	W	W	0	*	*	0	30.5
37	Transportation Equipment	W	411	W	W	399	W	Q	12	0	36.4
38	Instruments and Related Products	W	W	0	W	W	0	*	0	0	28.0
39	Misc. Manufacturing Industries	W	W	0	W	W	0	Q	0	0	47.7
	Total	25,105	15,669	16,044	25,072	15,048	15,813	33	W	W	8.4

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Distillate" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

^c For the petroleum refining industry only, the column of "Primary Consumption for All Purposes" includes only energy consumed for heat, power, and generation of electricity. See Appendix B for more information.

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 All Purposes" which are presented in Table A1 and divided by 365; "Inputs for Heat, Power, and Generation of Electricity" which are presented in Table A4 and divided by 365; and "First Use (formerly Primary Consumption) of Energy for Nonfuel Purposes" which are presented in Table A3 and divided by 365. First use (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A2. Total Consumption of LPG, Distillate Fuel Oil, and Residual Fuel Oil for Selected Purposes by Industry Group and Selected Industries, 1994: Part 2
(Estimates in Barrels per Day)

SIC Code ^a	Industry Group and Industry	First Use of Energy for All Purposes			Inputs for Heat, Power, and Generation of Electricity			First Use of Energy for Nonfuel Purposes			RSE Row Factors
		LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	
	RSE Column Factors:	0.8	0.8	0.9	0.8	0.8	0.9	1.6	1.6	1.4	
20	Food and Kindred Products	W	8,714	13,111	4,676	8,711	13,111	W	11	0	12.8
2011	Meat Packing Plants	W	277	378	W	277	378	0	0	0	28.8
2033	Canned Fruits and Vegetables	W	327	659	W	326	659	*	*	0	19.8
2037	Frozen Fruits and Vegetables	208	169	558	203	169	558	W	0	0	31.2
2046	Wet Corn Milling	24	27	463	24	27	463	0	0	0	32.3
2051	Bread, Cake, and Related Products	243	359	Q	243	359	Q	0	0	0	40.0
2061	Cane Sugar, Except Refining	W	604	W	W	604	W	0	0	0	18.1
2062	Cane Sugar Refining	11	267	858	11	267	858	0	0	0	36.3
2063	Beet Sugar	W	W	738	W	W	738	0	0	0	4.1
2075	Soybean Oil Mills	W	W	402	W	W	402	W	W	0	1.5
2082	Malt Beverages	W	56	W	W	56	W	0	0	0	6.1
21	Tobacco Products	W	W	366	W	W	366	0	0	0	34.4
22	Textile Mill Products	2,737	3,490	7,343	W	W	7,343	W	*	0	21.4
23	Apparel and Other Textile Products	W	289	W	W	289	W	0	0	0	38.9
24	Lumber and Wood Products	W	11,819	1,064	W	10,392	W	W	1,427	W	17.8
2421	Sawmills and Planing Mills, General ...	W	3,304	W	W	3,304	W	0	*	0	24.5
2436	Softwood Veneer and Plywood	460	687	Q	460	687	Q	W	W	0	15.1
2493	Reconstituted Wood Products	W	351	542	W	W	W	W	W	W	18.2
25	Furniture and Fixtures	578	421	164	578	419	164	*	Q	0	18.8
2511	Wood Furniture, Except Upholstered ...	161	170	128	161	170	128	0	*	0	23.3
26	Paper and Allied Products	3,655	4,285	75,190	3,603	4,274	75,190	W	16	0	6.1
2611	Pulp Mills	W	488	9,816	W	W	9,816	W	W	0	17.2
2621	Paper Mills	1,304	2,043	40,938	1,275	2,039	40,938	W	W	0	9.4
2631	Paperboard Mills	326	859	21,683	W	W	21,683	W	W	0	4.2
27	Printing and Publishing	W	725	W	W	715	W	0	W	0	20.2
28	Chemicals and Allied Products	1,194,319	6,368	47,828	W	6,031	26,212	1,191,380	W	21,616	7.6
2812	Alkalies and Chlorine	W	144	W	4	141	W	W	4	0	11.0
2813	Industrial Gases	W	W	0	W	W	0	0	0	0	46.7
2816	Inorganic Pigments	W	W	435	W	W	W	W	0	W	11.7
2819	Industrial Inorganic Chemicals, nec. ...	W	723	W	W	W	1,611	W	W	W	14.8
2821	Plastics Materials and Resins	244,067	419	1,484	W	509	1,484	243,843	W	0	11.6
2822	Synthetic Rubber	18,902	W	W	W	42	W	18,891	W	0	27.6
2823	Cellulosic Manmade Fibers	W	62	0	W	62	0	0	0	0	1.3
2824	Organic Fibers, Noncellulosic	W	241	3,932	W	241	3,932	W	0	0	9.6
2861	Gum and Wood Chemicals	W	W	1	W	W	1	W	0	0	11.7
2865	Cyclic Crudes and Intermediates	W	559	W	764	559	W	W	W	0	30.4
2869	Industrial Organic Chemicals, nec.	773,620	873	2,179	726	869	2,179	772,894	W	0	12.0
2873	Nitrogenous Fertilizers	11	82	0	11	81	0	0	1	0	16.0
2874	Phosphatic Fertilizers	9	W	W	9	320	W	0	W	W	7.6
2895	Carbon Black	W	W	25,601	W	W	W	0	*	W	16.1
29	Petroleum and Coal Products	32,135	10,468	30,777	32,107	10,006	31,172	W	Q	0	8.9
2911	Petroleum Refining ^c	W	3,174	29,838	W	3,174	29,838	0	0	0	7.8
30	Rubber and Misc. Plastics Products	2,520	1,697	4,384	2,257	1,480	4,384	W	Q	0	12.0
3011	Tires and Inner Tubes	261	315	1,973	261	315	1,973	0	0	0	17.0
308	Miscellaneous Plastics Products, nec. ...	1,987	731	1,361	1,731	717	1,361	W	W	0	16.9
31	Leather and Leather Products	W	W	685	W	W	685	0	*	0	28.7
32	Stone, Clay and Glass Products	2,908	10,878	3,251	2,896	10,732	3,251	W	146	0	14.4
3211	Flat Glass	56	30	667	56	30	667	0	0	0	29.4
3221	Glass Containers	269	204	920	269	204	920	0	0	0	11.7
3229	Pressed and Blown Glass, nec.	W	157	W	W	156	W	*	*	0	18.6
3241	Cement, Hydraulic	24	2,345	432	24	2,247	432	*	98	0	21.2
3274	Lime	15	688	287	15	688	287	*	0	0	32.6
3296	Mineral Wool	W	43	W	W	25	W	W	W	0	16.7
33	Primary Metal Industries	4,077	6,001	18,826	4,032	5,825	18,823	W	176	W	12.3
331	Blast Furnace and Basic Steel Prod. ...	W	W	18,300	W	W	18,300	*	174	0	16.3
3312	Blast Furnaces and Steel Mills	W	W	18,245	W	W	18,245	*	174	0	10.6
3313	Electrometallurgical Products	13	57	0	13	57	0	*	*	0	43.3
3321	Gray and Ductile Iron Foundries	386	310	Q	385	310	Q	*	*	0	16.9
3331	Primary Copper	W	W	W	W	W	W	W	0	0	1.1
3334	Primary Aluminum	W	343	W	W	343	W	W	0	0	1.4
3339	Primary Nonferrous Metals, nec.	48	W	W	48	W	W	0	0	1	18.5
3353	Aluminum Sheet, Plate, and Foil	149	W	0	149	W	0	0	0	0	6.4

See footnotes at end of table.

Table A2. Total Consumption of LPG, Distillate Fuel Oil, and Residual Fuel Oil for Selected Purposes by Industry Group and Selected Industries, 1994: Part 2 (Continued)
(Estimates in Barrels per Day)

SIC Code ^a	Industry Group and Industry	First Use of Energy for All Purposes			Inputs for Heat, Power, and Generation of Electricity			First Use of Energy for Nonfuel Purposes			RSE Row Factors
		LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	LPG	Distillate ^b	Residual	
RSE Column Factors:		0.8	0.8	0.9	0.8	0.8	0.9	1.6	1.6	1.4	
34	Fabricated Metal Products	3,675	2,052	W	3,656	2,046	1,308	W	W	W	20.9
35	Industrial Machinery and Equipment	2,485	1,914	W	2,426	1,841	W	59	72	0	15.0
357	Computer and Office Equipment	W	63	W	W	63	W	0	0	0	41.4
36	Electronic and Other Electric Equip.	1,724	811	1,138	1,704	794	1,138	W	W	0	18.7
37	Transportation Equipment	2,560	3,175	4,880	W	3,077	4,880	W	Q	0	17.5
3711	Motor Vehicles and Car Bodies	252	234	823	240	223	823	W	W	0	35.6
3714	Motor Vehicle Parts and Accessories	1,053	400	W	W	455	W	W	W	0	35.4
38	Instruments and Related Products	W	651	1,615	W	652	1,615	Q	W	0	21.1
3841	Surgical and Medical Instruments	83	35	45	83	35	45	0	0	0	49.3
39	Misc. Manufacturing Industries	456	573	389	W	573	389	W	0	0	31.1
	Total	1,263,090	74,509	213,725	71,094	71,525	192,086	1,192,052	3,218	22,033	5.3

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Distillate" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

^c For the petroleum refining industry only, the column of "Primary Consumption for All Purposes" includes only energy consumed for heat, power, and generation of electricity. See Appendix B for more information.

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 All Purposes" which are presented in Table A1 and divided by 365; "Inputs for Heat, Power, and Generation of Electricity" which are presented in Table A4 and divided by 365; and "First Use (formerly Primary Consumption) of Energy for Nonfuel Purposes" which are presented in Table A3 and divided by 365. First use (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Census Region and Industry Group, 1994: Part 1
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^b (1000 bbl)	Natural Gas ^c (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^d (trillion Btu)	RSE Row Factors
Total United States										
RSE Column Factors:		0.7	1.2	1.1	1.2	1.0	1.2	0.9	0.8	
20	Food and Kindred Products	10	0	4	2	W	0	W	8	23.1
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	*	W	W	0	0	*	45.2
23	Apparel and Other Textile Products	W	0	0	W	0	0	0	*	45.4
24	Lumber and Wood Products	57	W	521	*	W	0	0	53	34.2
25	Furniture and Fixtures	Q	0	Q	*	*	0	0	Q	0.0
26	Paper and Allied Products	33	0	6	W	W	*	0	32	16.7
27	Printing and Publishing	W	0	W	*	0	0	0	W	35.3
28	Chemicals and Allied Products	2,463	7,890	W	655	434,854	1,642	W	162	10.9
29	Petroleum and Coal Products ^e	3,168	0	Q	W	W	0	0	3,167	35.9
30	Rubber and Misc. Plastics Products	2	0	Q	*	W	W	0	1	30.4
31	Leather and Leather Products	W	0	*	*	0	0	0	W	55.5
32	Stone, Clay and Glass Products	2	0	53	1	W	W	W	1	26.1
33	Primary Metal Industries	955	W	64	9	W	32,561	578	62	13.6
34	Fabricated Metal Products	1	W	W	*	W	W	0	W	25.0
35	Industrial Machinery and Equipment	1	0	26	1	22	0	0	*	28.6
36	Electronic and Other Electric Equipment ...	13	0	W	1	W	0	W	11	30.7
37	Transportation Equipment	5	0	Q	3	W	*	W	1	38.8
38	Instruments and Related Products	Q	0	W	*	Q	0	0	W	42.5
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	34.5
Total		6,717	8,042	1,175	673	435,099	34,206	958	3,505	9.3
Northeast Census Region										
RSE Column Factors:		0.9	0.0	1.2	1.2	1.1	0.8	1.1	0.9	
20	Food and Kindred Products	W	0	0	*	*	0	0	W	45.8
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	*	0	0	0	W	0	0	W	34.3
23	Apparel and Other Textile Products	W	0	0	W	0	0	0	W	0.0
24	Lumber and Wood Products	W	0	W	0	6	0	0	W	32.8
25	Furniture and Fixtures	W	0	0	0	0	0	0	W	51.9
26	Paper and Allied Products	W	0	W	W	W	0	0	W	20.8
27	Printing and Publishing	W	0	W	*	0	0	0	W	37.0
28	Chemicals and Allied Products	18	0	W	*	4,423	W	0	1	19.9
29	Petroleum and Coal Products ^e	282	0	W	0	W	0	0	282	40.0
30	Rubber and Misc. Plastics Products	W	0	W	W	W	0	0	*	0.0
31	Leather and Leather Products	W	0	*	*	0	0	0	W	0.0
32	Stone, Clay and Glass Products	*	0	W	W	0	0	0	W	37.0
33	Primary Metal Industries	344	0	W	*	W	W	W	W	22.8
34	Fabricated Metal Products	W	W	0	W	W	0	0	W	39.4
35	Industrial Machinery and Equipment	*	0	2	W	W	0	0	W	40.7
36	Electronic and Other Electric Equipment ...	1	0	W	W	W	0	W	W	37.5
37	Transportation Equipment	*	0	W	*	W	0	0	W	41.6
38	Instruments and Related Products	*	0	0	W	*	0	0	W	37.2
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	40.0
Total		659	W	W	1	4,495	12,265	228	307	19.3

See footnotes at end of table.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^b (1000 bbl)	Natural Gas ^c (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^d (trillion Btu)	RSE Row Factors
Midwest Census Region										
RSE Column Factors:		0.7	1.6	1.2	0.9	1.3	0.8	1.0	0.8	
20	Food and Kindred Products	W	0	W	1	W	0	W	W	11.8
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	*	0	W	0	W	0	0	W	0.0
23	Apparel and Other Textile Products	0	0	0	0	0	0	0	0	0.0
24	Lumber and Wood Products	W	W	W	0	W	0	0	W	33.1
25	Furniture and Fixtures	Q	0	W	*	*	0	0	W	0.0
26	Paper and Allied Products	2	0	W	0	W	*	0	W	18.4
27	Printing and Publishing	W	0	0	W	0	0	0	*	38.1
28	Chemicals and Allied Products	154	W	W	75	14,784	W	W	23	17.9
29	Petroleum and Coal Products ^e	545	0	W	0	Q	0	0	W	33.0
30	Rubber and Misc. Plastics Products	1	0	Q	W	W	W	0	W	32.4
31	Leather and Leather Products	*	0	0	0	0	0	0	*	49.0
32	Stone, Clay and Glass Products	W	0	W	W	W	0	0	*	32.0
33	Primary Metal Industries	351	0	W	W	W	11,926	W	26	18.4
34	Fabricated Metal Products	*	0	W	W	W	W	0	W	35.1
35	Industrial Machinery and Equipment	1	0	20	*	8	0	0	*	36.4
36	Electronic and Other Electric Equipment	1	0	W	*	W	0	0	*	47.1
37	Transportation Equipment	3	0	W	3	W	0	0	1	49.3
38	Instruments and Related Products	Q	0	W	W	*	0	0	W	39.5
39	Misc. Manufacturing Industries	*	0	0	W	W	0	0	*	0.0
Total		1,080	435	264	82	14,848	11,970	163	617	16.6
South Census Region										
RSE Column Factors:		0.8	1.1	1.2	1.1	0.9	1.1	1.1	0.8	
20	Food and Kindred Products	6	0	W	1	W	0	0	W	25.8
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	W	W	W	0	0	W	53.4
23	Apparel and Other Textile Products	*	0	0	W	0	0	0	W	50.5
24	Lumber and Wood Products	23	0	W	*	W	0	0	W	44.0
25	Furniture and Fixtures	*	0	W	0	0	0	0	W	43.3
26	Paper and Allied Products	W	0	W	W	W	0	0	W	24.4
27	Printing and Publishing	W	0	0	0	0	0	0	W	54.3
28	Chemicals and Allied Products	2,236	W	W	542	415,647	W	154	127	11.3
29	Petroleum and Coal Products ^e	1,969	0	Q	0	Q	0	0	1,969	44.0
30	Rubber and Misc. Plastics Products	W	0	Q	*	47	0	0	W	40.7
31	Leather and Leather Products	W	0	0	0	0	0	0	W	0.0
32	Stone, Clay and Glass Products	W	0	W	*	2	W	W	W	31.6
33	Primary Metal Industries	212	W	9	6	W	W	188	W	20.5
34	Fabricated Metal Products	W	0	*	W	Q	0	0	W	28.9
35	Industrial Machinery and Equipment	*	0	Q	W	5	0	0	W	32.3
36	Electronic and Other Electric Equipment	10	0	W	*	W	0	W	W	38.1
37	Transportation Equipment	1	0	4	*	5	*	W	W	38.0
38	Instruments and Related Products	*	0	0	W	Q	0	0	W	48.5
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	42.5
Total		4,464	W	W	551	415,743	8,670	378	2,148	11.5

See footnotes at end of table.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^b (1000 bbl)	Natural Gas ^c (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^d (trillion Btu)	RSE Row Factors
West Census Region										
RSE Column Factors:		0.7	1.9	0.8	1.1	0.6	1.4	1.5	0.7	
20	Food and Kindred Products	*	0	*	*	*	0	0	*	33.6
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	0	0	0	0	0	W	0.0
23	Apparel and Other Textile Products	0	0	0	0	0	0	0	0	0.0
24	Lumber and Wood Products	12	W	W	0	*	0	0	11	28.1
25	Furniture and Fixtures	W	0	0	0	0	0	0	W	0.0
26	Paper and Allied Products	25	0	W	0	W	0	0	W	20.8
27	Printing and Publishing	W	0	W	W	0	0	0	W	51.5
28	Chemicals and Allied Products	55	W	W	38	0	W	W	11	17.9
29	Petroleum and Coal Products ^e	373	0	W	W	W	0	0	W	55.5
30	Rubber and Misc. Plastics Products	*	0	W	W	W	0	0	*	60.9
31	Leather and Leather Products	0	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	*	0	8	*	2	0	0	*	52.3
33	Primary Metal Industries	48	W	0	W	W	W	W	13	8.6
34	Fabricated Metal Products	*	0	0	W	*	0	0	W	0.0
35	Industrial Machinery and Equipment	*	0	Q	W	W	0	0	*	39.1
36	Electronic and Other Electric Equipment	*	0	*	W	*	0	0	W	33.9
37	Transportation Equipment	*	0	4	*	Q	0	0	*	47.6
38	Instruments and Related Products	*	0	0	*	*	0	0	*	49.6
39	Misc. Manufacturing Industries	W	0	0	W	Q	0	0	*	59.5
Total		514	W	W	39	12	1,301	188	433	19.7

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

^c "Natural Gas" includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as producers, brokers, and marketers.

^d "Other" includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote "e".

^e 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. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 as feedstocks or raw material inputs. First use (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Industry Group and Selected Industries, 1994: Part 2
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total (trillion Btu)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^b (1000 bbl)	Natural Gas ^c (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^d (trillion Btu)	RSE Row Factors
RSE Column Factors:		0.8	1.1	1.1	1.2	1.1	1.0	1.0	0.9	
20	Food and Kindred Products	10	0	4	2	W	0	W	8	22.2
2011	Meat Packing Plants	*	0	0	W	0	0	0	W	28.6
2033	Canned Fruits and Vegetables	*	0	*	0	*	0	0	*	39.6
2037	Frozen Fruits and Vegetables	W	0	0	W	W	0	0	*	29.8
2046	Wet Corn Milling	*	0	0	0	0	0	0	*	41.7
2051	Bread, Cake, and Related Products	*	0	0	0	0	0	0	*	35.8
2061	Cane Sugar, Except Refining	6	0	0	W	0	0	0	W	24.1
2062	Cane Sugar Refining	0	0	0	0	0	0	0	0	0.0
2063	Beet Sugar	W	0	0	0	0	0	W	*	11.4
2075	Soybean Oil Mills	W	0	W	1	W	0	0	W	2.2
2082	Malt Beverages	*	0	0	0	0	0	0	*	0.0
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	*	W	W	0	0	*	42.9
23	Apparel and Other Textile Products	W	0	0	W	0	0	0	*	41.5
24	Lumber and Wood Products	57	W	521	*	W	0	0	53	32.8
2421	Sawmills and Planing Mills, General	3	0	*	0	0	0	0	3	40.6
2436	Softwood Veneer and Plywood	Q	0	W	0	W	0	0	Q	0.0
2493	Reconstituted Wood Products	27	W	W	0	W	0	0	27	21.4
25	Furniture and Fixtures	Q	0	Q	*	*	0	0	Q	0.0
2511	Wood Furniture, Except Upholstered	*	0	*	0	0	0	0	*	33.4
26	Paper and Allied Products	33	0	6	W	W	*	0	32	16.6
2611	Pulp Mills	W	0	W	0	W	0	0	W	31.1
2621	Paper Mills	5	0	W	W	W	*	0	W	25.7
2631	Paperboard Mills	25	0	W	*	W	0	0	25	11.6
27	Printing and Publishing	W	0	W	*	0	0	0	W	33.6
28	Chemicals and Allied Products	2,463	7,890	W	655	434,854	1,642	W	162	10.8
2812	Alkalies and Chlorine	9	0	1	*	W	0	0	W	10.8
2813	Industrial Gases	7	0	0	4	0	W	W	1	42.2
2816	Inorganic Pigments	11	W	0	W	W	W	W	W	15.1
2819	Industrial Inorganic Chemicals, nec.	40	W	W	8	W	W	W	W	25.1
2821	Plastics Materials and Resins	W	0	W	W	89,003	0	0	4	13.8
2822	Synthetic Rubber	39	0	W	13	6,895	0	0	W	36.3
2823	Cellulosic Manmade Fibers	W	0	0	0	0	0	0	W	1.2
2824	Organic Fibers, Noncellulosic	W	0	0	W	W	W	0	W	15.8
2861	Gum and Wood Chemicals	19	0	0	0	W	W	W	15	7.9
2865	Cyclic Crudes and Intermediates	62	0	W	3	W	W	0	W	30.2
2869	Industrial Organic Chemicals, nec.	1,326	0	W	224	282,106	W	W	W	15.4
2873	Nitrogenous Fertilizers	340	0	1	329	0	0	0	1	19.8
2874	Phosphatic Fertilizers	28	W	W	W	0	0	0	W	8.2
2895	Carbon Black	W	W	*	2	0	0	0	0	13.6
29	Petroleum and Coal Products	3,168	0	Q	W	W	0	0	3,167	33.0
2911	Petroleum Refining ^e	3,110	0	0	0	0	0	0	3,110	0.0
30	Rubber and Misc. Plastics Products	2	0	Q	*	W	W	0	1	28.5
3011	Tires and Inner Tubes	*	0	0	0	0	0	0	*	9.5
308	Miscellaneous Plastics Products, nec.	1	0	W	W	W	0	0	1	32.8
31	Leather and Leather Products	W	0	*	*	0	0	0	W	50.7
32	Stone, Clay and Glass Products	2	0	53	1	W	W	W	1	26.0
3211	Flat Glass	*	0	0	0	0	0	0	*	19.1
3221	Glass Containers	*	0	0	0	0	0	0	*	28.6
3229	Pressed and Blown Glass, nec.	*	0	*	*	*	0	0	*	32.0
3241	Cement, Hydraulic	*	0	36	*	*	0	0	*	27.0
3274	Lime	*	0	0	*	*	0	0	*	47.0
3296	Mineral Wool	W	0	W	0	W	0	0	*	21.3
33	Primary Metal Industries	955	W	64	9	W	32,561	578	62	13.6
331	Blast Furnace and Basic Steel Products ..	902	0	64	8	*	32,440	363	19	16.1
3312	Blast Furnaces and Steel Mills	886	0	63	8	*	32,011	318	14	15.2
3313	Electrometallurgical Products	15	0	*	0	*	428	Q	Q	50.4
3321	Gray and Ductile Iron Foundries	2	0	*	*	*	31	W	W	29.3
3331	Primary Copper	*	0	0	0	W	0	0	W	1.1
3334	Primary Aluminum	40	0	0	0	W	8	W	W	1.1
3339	Primary Nonferrous Metals, nec.	7	*	0	0	0	75	W	W	22.5
3353	Aluminum Sheet, Plate, and Foil	W	0	0	0	0	0	0	W	9.5

See footnotes at end of table.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Industry Group and Selected Industries, 1994: Part 2 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total (trillion Btu)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^b (1000 bbl)	Natural Gas ^c (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^d (trillion Btu)	RSE Row Factors
RSE Column Factors:		0.8	1.1	1.1	1.2	1.1	1.0	1.0	0.9	
34	Fabricated Metal Products	1	W	W	*	W	W	0	W	23.5
35	Industrial Machinery and Equipment	1	0	26	1	22	0	0	*	27.4
357	Computer and Office Equipment	*	0	0	0	0	0	0	*	0.0
36	Electronic and Other Electric Equipment ...	13	0	W	1	W	0	W	11	29.3
37	Transportation Equipment	5	0	Q	3	W	*	W	1	38.0
3711	Motor Vehicles and Car Bodies	Q	0	W	W	W	0	0	*	40.3
3714	Motor Vehicle Parts and Accessories	2	0	W	1	W	*	W	*	36.3
38	Instruments and Related Products	Q	0	W	*	Q	0	0	W	42.7
3841	Surgical and Medical Instruments	*	0	0	W	0	0	0	W	40.7
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	34.0
Total		6,717	8,042	1,175	673	435,099	34,206	958	3,505	9.3

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

^c "Natural Gas" includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as producers, brokers, and marketers.

^d "Other" includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote "e".

^e 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. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 as feedstocks or raw material inputs. First use (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Census Region and Industry Group, 1994: Part 3
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Residual Fuel Oil	Distillate Fuel Oil ^b	Natural Gas ^c	LPG	Coal	Coke and Breeze	Other ^d	RSE Row Factors
Total United States										
RSE Column Factors:		0.7	1.2	1.1	1.2	1.0	1.2	0.9	0.8	
20	Food and Kindred Products	10	0	*	2	W	0	W	8	23.1
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	*	W	W	0	0	*	45.3
23	Apparel and Other Textile Products	W	0	0	W	0	0	0	*	45.4
24	Lumber and Wood Products	57	W	3	*	W	0	0	53	34.3
25	Furniture and Fixtures	Q	0	*	*	*	0	0	Q	0.0
26	Paper and Allied Products	33	0	*	W	W	*	0	32	16.7
27	Printing and Publishing	W	0	W	*	0	0	0	W	35.3
28	Chemicals and Allied Products	2,463	50	W	674	1,531	37	W	162	10.9
29	Petroleum and Coal Products ^e	3,168	0	Q	W	W	0	0	3,167	35.9
30	Rubber and Misc. Plastics Products	2	0	*	*	W	W	0	1	30.4
31	Leather and Leather Products	W	0	*	*	0	0	0	W	55.5
32	Stone, Clay and Glass Products	2	0	*	1	W	W	W	1	26.2
33	Primary Metal Industries	955	W	*	9	W	870	13	62	13.6
34	Fabricated Metal Products	1	W	W	1	W	W	0	W	25.1
35	Industrial Machinery and Equipment	1	0	*	1	*	0	0	*	28.6
36	Electronic and Other Electric Equipment ...	13	0	W	1	W	0	W	11	30.9
37	Transportation Equipment	5	0	*	3	W	*	W	1	38.8
38	Instruments and Related Products	Q	0	W	*	*	0	0	W	42.5
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	34.5
Total		6,717	51	7	693	1,532	907	22	3,505	9.3
Northeast Census Region										
RSE Column Factors:		0.9	0.0	1.2	1.2	1.1	0.8	1.1	0.9	
20	Food and Kindred Products	W	0	0	*	*	0	0	W	45.7
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	*	0	0	0	W	0	0	W	34.4
23	Apparel and Other Textile Products	W	0	0	W	0	0	0	W	0.0
24	Lumber and Wood Products	W	0	W	0	*	0	0	W	32.8
25	Furniture and Fixtures	W	0	0	0	0	0	0	W	51.9
26	Paper and Allied Products	W	0	W	W	W	0	0	W	20.9
27	Printing and Publishing	W	0	W	*	0	0	0	W	36.9
28	Chemicals and Allied Products	18	0	W	*	16	W	0	1	19.5
29	Petroleum and Coal Products ^e	282	0	W	0	W	0	0	282	40.4
30	Rubber and Misc. Plastics Products	W	0	W	W	W	0	0	*	0.0
31	Leather and Leather Products	W	0	*	*	0	0	0	W	0.0
32	Stone, Clay and Glass Products	*	0	W	W	0	0	0	W	37.0
33	Primary Metal Industries	344	0	W	*	W	W	W	W	22.8
34	Fabricated Metal Products	W	W	0	W	W	0	0	W	39.4
35	Industrial Machinery and Equipment	*	0	*	W	W	0	0	W	40.7
36	Electronic and Other Electric Equipment ...	1	0	W	W	W	0	W	W	37.6
37	Transportation Equipment	*	0	W	*	W	0	0	W	41.7
38	Instruments and Related Products	*	0	0	W	*	0	0	W	37.2
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	40.2
Total		659	W	W	1	16	328	5	307	19.3

See footnotes at end of table.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Residual Fuel Oil	Distillate Fuel Oil ^b	Natural Gas ^c	LPG	Coal	Coke and Breeze	Other ^d	RSE Row Factors
Midwest Census Region										
RSE Column Factors:		0.7	1.6	1.2	0.9	1.3	0.8	1.0	0.8	
20	Food and Kindred Products	W	0	W	1	W	0	W	W	11.9
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	*	0	W	0	W	0	0	W	0.0
23	Apparel and Other Textile Products	0	0	0	0	0	0	0	0	0.0
24	Lumber and Wood Products	W	W	W	0	W	0	0	W	33.5
25	Furniture and Fixtures	Q	0	W	*	*	0	0	W	0.0
26	Paper and Allied Products	2	0	W	0	W	*	0	W	18.5
27	Printing and Publishing	W	0	0	W	0	0	0	*	38.0
28	Chemicals and Allied Products	154	W	W	77	51	W	W	23	17.6
29	Petroleum and Coal Products ^e	545	0	W	0	*	0	0	W	32.9
30	Rubber and Misc. Plastics Products	1	0	*	W	W	W	0	W	32.3
31	Leather and Leather Products	*	0	0	0	0	0	0	*	48.9
32	Stone, Clay and Glass Products	W	0	W	W	W	0	0	*	32.0
33	Primary Metal Industries	351	0	W	W	W	319	W	26	18.6
34	Fabricated Metal Products	*	0	W	W	W	W	0	W	35.2
35	Industrial Machinery and Equipment	1	0	*	*	*	0	0	*	36.4
36	Electronic and Other Electric Equipment ..	1	0	W	1	W	0	0	*	47.0
37	Transportation Equipment	3	0	W	3	W	0	0	1	49.2
38	Instruments and Related Products	Q	0	W	W	*	0	0	W	39.8
39	Misc. Manufacturing Industries	*	0	0	W	W	0	0	*	0.0
Total		1,080	3	2	85	51	320	4	617	16.5
South Census Region										
RSE Column Factors:		0.8	1.1	1.2	1.1	0.9	1.1	1.1	0.8	
20	Food and Kindred Products	6	0	W	1	W	0	0	W	25.8
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	W	W	W	0	0	W	53.2
23	Apparel and Other Textile Products	*	0	0	W	0	0	0	W	50.4
24	Lumber and Wood Products	23	0	W	*	W	0	0	W	43.9
25	Furniture and Fixtures	*	0	W	0	0	0	0	W	43.2
26	Paper and Allied Products	W	0	W	W	W	0	0	W	24.4
27	Printing and Publishing	W	0	0	0	0	0	0	W	54.1
28	Chemicals and Allied Products	2,236	W	W	558	1,464	W	4	127	11.3
29	Petroleum and Coal Products ^e	1,969	0	*	0	*	0	0	1,969	43.8
30	Rubber and Misc. Plastics Products	W	0	*	*	*	0	0	W	40.6
31	Leather and Leather Products	W	0	0	0	0	0	0	W	0.0
32	Stone, Clay and Glass Products	W	0	W	*	*	W	W	W	31.5
33	Primary Metal Industries	212	W	*	7	W	W	4	W	20.3
34	Fabricated Metal Products	W	0	*	W	*	0	0	W	28.8
35	Industrial Machinery and Equipment	*	0	*	W	*	0	0	W	32.2
36	Electronic and Other Electric Equipment ..	10	0	W	*	W	0	W	W	38.2
37	Transportation Equipment	1	0	*	*	*	*	W	W	38.1
38	Instruments and Related Products	*	0	0	W	*	0	0	W	48.3
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	42.3
Total		4,464	W	W	567	1,465	224	9	2,148	11.4

See footnotes at end of table.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Residual Fuel Oil	Distillate Fuel Oil ^b	Natural Gas ^c	LPG	Coal	Coke and Breeze	Other ^d	RSE Row Factors
West Census Region										
RSE Column Factors:		0.7	1.9	0.8	1.1	0.6	1.4	1.4	0.7	
20	Food and Kindred Products	*	0	*	*	*	0	0	*	33.5
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	0	0	0	0	0	W	0.0
23	Apparel and Other Textile Products	0	0	0	0	0	0	0	0	0.0
24	Lumber and Wood Products	12	W	W	0	*	0	0	11	28.0
25	Furniture and Fixtures	W	0	0	0	0	0	0	W	0.0
26	Paper and Allied Products	25	0	W	0	W	0	0	W	20.7
27	Printing and Publishing	W	0	W	W	0	0	0	W	51.3
28	Chemicals and Allied Products	55	W	W	39	0	W	W	11	17.9
29	Petroleum and Coal Products ^e	373	0	W	W	W	0	0	W	55.4
30	Rubber and Misc. Plastics Products	*	0	W	W	W	0	0	*	60.8
31	Leather and Leather Products	0	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	*	0	*	*	*	0	0	*	52.2
33	Primary Metal Industries	48	W	0	W	W	W	W	13	8.5
34	Fabricated Metal Products	*	0	0	W	*	0	0	W	0.0
35	Industrial Machinery and Equipment	*	0	*	W	W	0	0	*	39.0
36	Electronic and Other Electric Equipment	*	0	*	W	*	0	0	W	33.9
37	Transportation Equipment	*	0	*	*	*	0	0	*	47.5
38	Instruments and Related Products	*	0	0	*	*	0	0	*	49.4
39	Misc. Manufacturing Industries	W	0	0	W	*	0	0	*	59.3
	Total	514	W	W	40	*	35	5	433	19.7

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

^c "Natural Gas" includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as producers, brokers, and marketers.

^d "Other" includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote "e".

^e 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. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 as feedstocks or raw material inputs. First use (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Industry Group and Selected Industries, 1994: Part 4
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil ^b	Natural Gas ^c	LPG	Coal	Coke and Breeze	Other ^d	RSE Row Factors
RSE Column Factors:		0.8	1.1	1.1	1.2	1.1	1.0	1.0	0.9	
20	Food and Kindred Products	10	0	*	2	W	0	W	8	22.2
2011	Meat Packing Plants	*	0	0	W	0	0	0	W	28.5
2033	Canned Fruits and Vegetables	*	0	*	0	*	0	0	*	39.6
2037	Frozen Fruits and Vegetables	W	0	0	W	W	0	0	*	29.8
2046	Wet Corn Milling	*	0	0	0	0	0	0	*	41.7
2051	Bread, Cake, and Related Products	*	0	0	0	0	0	0	*	35.7
2061	Cane Sugar, Except Refining	6	0	0	W	0	0	0	W	24.1
2062	Cane Sugar Refining	0	0	0	0	0	0	0	0	0.0
2063	Beet Sugar	W	0	0	0	0	0	W	*	11.4
2075	Soybean Oil Mills	W	0	W	1	W	0	0	W	2.2
2082	Malt Beverages	*	0	0	0	0	0	0	*	0.0
21	Tobacco Products	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	*	W	W	0	0	*	42.9
23	Apparel and Other Textile Products	W	0	0	W	0	0	0	*	41.5
24	Lumber and Wood Products	57	W	3	*	W	0	0	53	32.8
2421	Sawmills and Planing Mills, General	3	0	*	0	0	0	0	3	40.6
2436	Softwood Veneer and Plywood	Q	0	W	0	W	0	0	Q	0.0
2493	Reconstituted Wood Products	27	W	W	0	W	0	0	27	21.4
25	Furniture and Fixtures	Q	0	*	*	*	0	0	Q	0.0
2511	Wood Furniture, Except Upholstered	*	0	*	0	0	0	0	*	33.4
26	Paper and Allied Products	33	0	*	W	W	*	0	32	16.6
2611	Pulp Mills	W	0	W	0	W	0	0	W	31.1
2621	Paper Mills	5	0	W	W	W	*	0	W	25.7
2631	Paperboard Mills	25	0	W	*	W	0	0	25	11.6
27	Printing and Publishing	W	0	W	*	0	0	0	W	33.6
28	Chemicals and Allied Products	2,463	50	W	674	1,531	37	W	162	10.8
2812	Alkalies and Chlorine	9	0	*	*	W	0	0	W	10.8
2813	Industrial Gases	7	0	0	5	0	W	W	1	42.3
2816	Inorganic Pigments	11	W	0	W	W	W	W	W	15.1
2819	Industrial Inorganic Chemicals, nec.	40	W	W	8	W	W	W	W	25.1
2821	Plastics Materials and Resins	W	0	W	W	317	0	0	4	13.8
2822	Synthetic Rubber	39	0	W	13	25	0	0	W	36.3
2823	Cellulosic Manmade Fibers	W	0	0	0	0	0	0	W	1.2
2824	Organic Fibers, Noncellulosic	W	0	0	W	W	W	0	W	15.8
2861	Gum and Wood Chemicals	19	0	0	0	W	W	W	15	7.9
2865	Cyclic Crudes and Intermediates	62	0	W	3	W	W	0	W	30.2
2869	Industrial Organic Chemicals, nec.	1,326	0	W	231	1,007	W	W	W	15.4
2873	Nitrogenous Fertilizers	340	0	*	339	0	0	0	1	19.8
2874	Phosphatic Fertilizers	28	W	W	W	0	0	0	W	8.2
2895	Carbon Black	W	W	*	2	0	0	0	0	13.6
29	Petroleum and Coal Products	3,168	0	Q	W	W	0	0	3,167	32.9
2911	Petroleum Refining ^e	3,110	0	0	0	0	0	0	3,110	0.0
30	Rubber and Misc. Plastics Products	2	0	*	*	W	W	0	1	28.5
3011	Tires and Inner Tubes	*	0	0	0	0	0	0	*	9.5
308	Miscellaneous Plastics Products, nec.	1	0	W	W	W	0	0	1	32.8
31	Leather and Leather Products	W	0	*	*	0	0	0	W	50.7
32	Stone, Clay and Glass Products	2	0	*	1	W	W	W	1	26.0
3211	Flat Glass	*	0	0	0	0	0	0	*	19.1
3221	Glass Containers	*	0	0	0	0	0	0	*	28.6
3229	Pressed and Blown Glass, nec.	*	0	*	*	*	0	0	*	32.0
3241	Cement, Hydraulic	*	0	*	*	*	0	0	*	27.0
3274	Lime	*	0	0	*	*	0	0	*	47.0
3296	Mineral Wool	W	0	W	0	W	0	0	*	21.3
33	Primary Metal Industries	955	W	*	9	W	870	13	62	13.6
331	Blast Furnace and Basic Steel Products ..	902	0	*	8	*	867	8	19	16.1
3312	Blast Furnaces and Steel Mills	886	0	*	8	*	858	7	14	15.0
3313	Electrometallurgical Products	15	0	*	0	*	9	Q	Q	50.4
3321	Gray and Ductile Iron Foundries	2	0	*	*	*	1	W	W	29.3
3331	Primary Copper	*	0	0	0	W	0	0	W	1.1
3334	Primary Aluminum	40	0	0	0	W	*	W	W	1.1
3339	Primary Nonferrous Metals, nec.	7	*	0	0	0	2	W	W	22.5
3353	Aluminum Sheet, Plate, and Foil	W	0	0	0	0	0	0	W	9.5

See footnotes at end of table.

Table A3. Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes by Industry Group and Selected Industries, 1994: Part 4 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil ^b	Natural Gas ^c	LPG	Coal	Coke and Breeze	Other ^d	RSE Row Factors
RSE Column Factors:		0.8	1.1	1.1	1.2	1.1	1.0	1.0	0.9	
34	Fabricated Metal Products	1	W	W	1	W	W	0	W	23.5
35	Industrial Machinery and Equipment	1	0	*	1	*	0	0	*	27.4
357	Computer and Office Equipment	*	0	0	0	0	0	0	*	0.0
36	Electronic and Other Electric Equipment	13	0	W	1	W	0	W	11	29.4
37	Transportation Equipment	5	0	*	3	W	*	W	1	38.0
3711	Motor Vehicles and Car Bodies	Q	0	W	W	W	0	0	*	40.3
3714	Motor Vehicle Parts and Accessories	2	0	W	2	W	*	W	*	36.3
38	Instruments and Related Products	Q	0	W	*	*	0	0	W	42.7
3841	Surgical and Medical Instruments	*	0	0	W	0	0	0	W	40.7
39	Misc. Manufacturing Industries	W	0	0	*	W	0	0	W	34.0
	Total	6,717	51	7	693	1,532	907	22	3,505	9.3

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

^c "Natural Gas" includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as producers, brokers, and marketers.

^d "Other" includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote "e".

^e 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. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 as feedstocks or raw material inputs. First use (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A3. Number of Establishments by Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes, by Industry Group and Selected Industries, 1994: Part 5

SIC Code ^a	Industry Group and Industry	Any Combustible Energy Source ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
RSE Column Factors:		0.6	1.2	1.3	1.4	1.2	1.0	1.0	0.6	
20	Food and Kindred Products	1,014	0	15	246	39	0	W	780	18.6
2011	Meat Packing Plants	41	0	0	W	0	0	0	39	30.0
2033	Canned Fruits and Vegetables	45	0	W	0	W	0	0	44	28.6
2037	Frozen Fruits and Vegetables	Q	0	0	W	W	0	0	Q	0.0
2046	Wet Corn Milling	8	0	0	0	0	0	0	8	20.6
2051	Bread, Cake, and Related Products	45	0	0	0	0	0	0	45	42.8
2061	Cane Sugar, Except Refining	12	0	0	W	0	0	0	11	15.0
2062	Cane Sugar Refining	W	0	0	0	0	0	0	W	61.8
2063	Beet Sugar	6	0	0	0	0	0	W	6	7.2
2075	Soybean Oil Mills	22	0	W	5	W	0	0	18	1.9
2082	Malt Beverages	W	0	0	0	0	0	0	W	27.0
21	Tobacco Products	W	0	0	0	0	0	0	W	39.6
22	Textile Mill Products	339	0	Q	Q	W	0	0	311	34.0
23	Apparel and Other Textile Products	399	0	0	30	0	0	0	369	45.9
24	Lumber and Wood Products	1,009	Q	142	6	190	0	0	718	24.8
2421	Sawmills and Planing Mills, General	194	0	Q	0	0	0	0	192	39.6
2436	Softwood Veneer and Plywood	29	0	W	0	W	0	0	26	24.1
2493	Reconstituted Wood Products	Q	W	W	0	Q	0	0	Q	50.1
25	Furniture and Fixtures	268	0	Q	W	W	0	0	243	32.0
2511	Wood Furniture, Except Upholstered	74	0	Q	0	0	0	0	64	40.4
26	Paper and Allied Products	355	0	16	10	31	W	0	326	16.9
2611	Pulp Mills	17	0	W	0	W	0	0	17	12.3
2621	Paper Mills	85	0	3	W	4	W	0	80	10.7
2631	Paperboard Mills	48	0	6	W	5	0	0	45	4.8
27	Printing and Publishing	668	0	6	Q	0	0	0	571	35.1
28	Chemicals and Allied Products	1,222	18	192	233	164	28	20	792	12.4
2812	Alkalies and Chlorine	23	0	5	W	3	0	0	21	4.8
2813	Industrial Gases	32	0	0	13	0	W	W	22	22.8
2816	Inorganic Pigments	20	W	0	3	W	W	3	15	10.4
2819	Industrial Inorganic Chemicals, nec.	74	W	3	11	3	4	3	63	21.2
2821	Plastics Materials and Resins	147	0	3	12	43	0	0	121	14.2
2822	Synthetic Rubber	19	0	W	4	5	0	0	15	18.9
2823	Cellulosic Manmade Fibers	7	0	0	0	0	0	0	7	1.6
2824	Organic Fibers, Noncellulosic	14	0	0	W	W	W	0	11	8.9
2861	Gum and Wood Chemicals	36	0	0	0	W	13	W	36	5.2
2865	Cyclic Crudes and Intermediates	71	0	W	7	13	W	0	60	19.4
2869	Industrial Organic Chemicals, nec.	209	0	Q	79	49	W	W	135	17.6
2873	Nitrogenous Fertilizers	39	0	W	32	0	0	0	11	11.1
2874	Phosphatic Fertilizers	13	W	W	W	0	0	0	11	5.6
2895	Carbon Black	17	14	W	5	0	0	0	0	7.5
29	Petroleum and Coal Products	233	0	75	3	23	0	0	153	28.9
2911	Petroleum Refining ¹	48	0	0	0	0	0	0	48	4.8
30	Rubber and Misc. Plastics Products	915	0	28	103	75	W	0	753	22.7
3011	Tires and Inner Tubes	42	0	0	0	0	0	0	42	22.2
308	Miscellaneous Plastics Products, nec.	781	0	24	102	69	0	0	624	25.3
31	Leather and Leather Products	W	0	W	W	0	0	0	W	65.0
32	Stone, Clay and Glass Products	1,015	0	107	72	53	W	W	844	31.7
3211	Flat Glass	31	0	0	0	0	0	0	31	7.9
3221	Glass Containers	W	0	0	0	0	0	0	W	36.5
3229	Pressed and Blown Glass, nec.	14	0	3	W	W	0	0	10	51.5
3241	Cement, Hydraulic	36	0	11	5	5	0	0	27	19.6
3274	Lime	5	0	0	W	W	0	0	4	39.4
3296	Mineral Wool	25	0	W	0	W	0	0	18	8.9
33	Primary Metal Industries	809	W	34	Q	28	76	61	657	15.0
331	Blast Furnace and Basic Steel Products ..	205	0	19	8	Q	58	33	157	13.9
3312	Blast Furnaces and Steel Mills	95	0	8	6	W	45	28	63	6.8
3313	Electrometallurgical Products	18	0	W	0	W	Q	Q	18	36.5
3321	Gray and Ductile Iron Foundries	71	0	4	5	5	W	11	59	25.4
3331	Primary Copper	5	0	0	0	W	0	0	4	1.3
3334	Primary Aluminum	28	0	0	0	W	10	W	28	11.7
3339	Primary Nonferrous Metals, nec.	11	W	0	0	0	3	W	9	28.8
3353	Aluminum Sheet, Plate, and Foil	16	0	0	0	0	0	0	16	4.8

See footnotes at end of table.

Table A3. Number of Establishments by Total First Use (formerly Primary Consumption) of Combustible Energy for Nonfuel Purposes, by Industry Group and Selected Industries, 1994: Part 5 (Continued)

SIC Code ^a	Industry Group and Industry	Any Combustible Energy Source ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
RSE Column Factors:		0.6	1.2	1.3	1.4	1.2	1.0	1.0	0.6	
34	Fabricated Metal Products	2,045	W	64	97	101	W	0	1,845	27.5
35	Industrial Machinery and Equipment	3,498	0	40	175	186	0	0	3,388	21.3
357	Computer and Office Equipment	4	0	0	0	0	0	0	4	61.8
36	Electronic and Other Electric Equipment	698	0	32	Q	87	0	4	465	26.4
37	Transportation Equipment	938	0	22	246	137	W	W	715	35.3
3711	Motor Vehicles and Car Bodies	Q	0	W	W	W	0	0	Q	0.0
3714	Motor Vehicle Parts and Accessories	387	0	4	189	122	W	W	221	39.7
38	Instruments and Related Products	552	0	W	Q	36	0	0	354	44.1
3841	Surgical and Medical Instruments	4	0	0	W	0	0	0	3	42.3
39	Misc. Manufacturing Industries	666	0	0	Q	300	0	0	314	40.1
Total		16,698	73	820	2,034	1,484	113	91	13,655	10.5

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Any Combustible Energy Source" represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 1994. See Appendix B for number of establishments by SIC in the sample frame of 247,199 establishments.

^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 producers, brokers, and marketers.

^e "Other" includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote "f".

^f 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. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded. See Appendix B for more information.

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 as feedstocks or raw material inputs. First use (formerly primary consumption) 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 (formerly primary consumption) 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 End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
Total United States											
RSE Column Factors:		0.5	0.5	1.3	1.3	0.5	1.2	1.5	2.3	1.1	
20	Food and Kindred Products	1,183	58,004	4,785	3,180	611	1,707	7,500	94	134	5.5
21	Tobacco Products	W	842	133	W	W	W	W	0	W	25.0
22	Textile Mill Products	310	32,614	2,680	W	113	W	1,821	0	14	12.8
23	Apparel and Other Textile Products	56	7,735	W	106	24	W	W	0	W	21.0
24	Lumber and Wood Products	435	19,836	W	3,793	47	W	W	0	290	8.8
25	Furniture and Fixtures	65	6,590	60	153	23	211	115	0	14	11.4
26	Paper and Allied Products	2,634	65,479	27,444	1,560	558	1,315	13,812	0	1,343	3.6
27	Printing and Publishing	112	17,409	W	261	46	W	0	0	2	10.6
28	Chemicals and Allied Products	3,273	152,482	9,567	2,201	1,840	W	11,597	W	521	6.1
29	Petroleum and Coal Products	3,263	35,440	11,378	3,652	W	11,719	W	W	2,181	6.7
30	Rubber and Misc. Plastics Products	286	43,749	1,600	540	107	824	219	0	6	7.7
31	Leather and Leather Products	W	828	250	W	W	W	0	0	*	22.1
32	Stone, Clay and Glass Products	945	36,018	1,187	3,917	419	1,057	12,423	319	75	7.2
33	Primary Metal Industries	2,568	144,466	6,870	2,126	778	1,472	2,327	27,854	475	6.6
34	Fabricated Metal Products	365	33,819	478	747	213	1,334	W	W	W	12.8
35	Industrial Machinery and Equipment	245	32,037	W	672	107	885	484	W	5	9.3
36	Electronic and Other Electric Equipment	230	33,148	415	290	84	622	W	W	W	12.6
37	Transportation Equipment	358	38,773	1,781	1,123	150	W	1,245	W	22	10.2
38	Instruments and Related Products	106	13,490	589	238	W	W	1,065	0	W	16.3
39	Misc. Manufacturing Industries	51	5,575	142	209	19	W	37	0	W	21.6
Total		16,515	778,335	70,111	26,107	5,962	25,949	54,143	28,488	5,126	2.8
Northeast Census Region											
RSE Column Factors:		0.6	0.5	0.9	1.0	0.6	1.3	1.8	2.3	1.2	
20	Food and Kindred Products	93	6,215	1,496	W	49	W	W	0	4	13.8
21	Tobacco Products	W	20	W	W	W	W	0	0	W	37.7
22	Textile Mill Products	32	1,666	1,055	W	13	234	W	0	3	16.3
23	Apparel and Other Textile Products	W	2,035	W	W	5	W	0	0	W	44.7
24	Lumber and Wood Products	22	1,198	W	247	3	W	0	0	12	26.5
25	Furniture and Fixtures	5	421	Q	77	2	20	0	0	1	26.0
26	Paper and Allied Products	305	9,397	11,849	414	46	440	1,965	0	102	7.7
27	Printing and Publishing	21	3,156	W	137	8	W	0	0	W	18.4
28	Chemicals and Allied Products	146	11,230	3,381	750	57	W	W	0	17	9.9
29	Petroleum and Coal Products	221	2,990	2,223	1,325	39	W	W	0	140	11.3
30	Rubber and Misc. Plastics Products	43	6,474	W	220	13	W	64	0	W	14.9
31	Leather and Leather Products	W	243	155	W	W	17	0	0	W	28.6
32	Stone, Clay and Glass Products	128	5,271	W	891	65	221	1,500	W	W	13.3
33	Primary Metal Industries	317	17,781	W	W	103	495	W	W	89	14.7
34	Fabricated Metal Products	56	5,072	303	409	31	265	W	W	1	16.5
35	Industrial Machinery and Equipment	36	4,525	190	251	15	168	0	0	2	15.0
36	Electronic and Other Electric Equipment	69	7,358	W	162	21	232	W	W	W	23.2
37	Transportation Equipment	41	3,524	992	272	13	W	W	0	2	16.5
38	Instruments and Related Products	52	3,757	554	202	W	W	1,065	0	W	20.1
39	Misc. Manufacturing Industries	21	1,673	115	104	6	W	W	0	W	26.3
Total		1,625	94,006	24,368	7,116	502	4,663	5,775	1,753	403	5.3

See footnotes at end of table.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
Midwest Census Region											
RSE Column Factors:		0.5	0.5	1.7	1.3	0.6	1.3	1.3	1.4	1.3	
20	Food and Kindred Products	489	23,442	1,176	W	257	W	5,491	47	12	8.4
21	Tobacco Products	W	W	0	W	W	0	0	0	W	50.3
22	Textile Mill Products	6	W	0	W	4	W	0	0	W	28.3
23	Apparel and Other Textile Products	7	785	0	W	4	W	0	0	W	30.5
24	Lumber and Wood Products	50	2,975	W	281	12	269	W	0	22	16.0
25	Furniture and Fixtures	23	2,151	4	10	12	65	57	0	2	19.1
26	Paper and Allied Products	358	15,397	810	164	113	W	W	0	95	6.5
27	Printing and Publishing	42	5,975	*	W	19	W	0	0	1	14.2
28	Chemicals and Allied Products	444	40,332	W	W	195	255	2,561	0	44	10.3
29	Petroleum and Coal Products	512	7,528	3,739	W	85	W	W	0	367	9.1
30	Rubber and Misc. Plastics Products	111	16,256	W	W	48	224	W	0	W	13.4
31	Leather and Leather Products	W	W	W	W	W	W	0	0	W	30.8
32	Stone, Clay and Glass Products	263	9,722	W	969	114	W	3,050	W	36	14.7
33	Primary Metal Industries	1,398	50,730	4,833	W	W	W	1,511	19,171	261	9.6
34	Fabricated Metal Products	198	17,128	W	101	126	W	213	W	1	18.1
35	Industrial Machinery and Equipment	129	14,850	176	299	60	390	484	0	2	13.6
36	Electronic and Other Electric Equipment	62	8,569	W	W	29	W	W	0	2	17.0
37	Transportation Equipment	179	17,542	W	433	81	372	959	W	7	16.3
38	Instruments and Related Products	17	2,476	W	3	W	W	0	0	W	21.2
39	Misc. Manufacturing Industries	10	966	0	W	W	W	W	0	W	35.2
Total		4,303	237,676	11,969	4,034	1,587	5,103	18,418	19,387	855	5.0
South Census Region											
RSE Column Factors:		0.5	0.5	1.6	1.4	0.5	1.2	1.4	2.1	1.1	
20	Food and Kindred Products	356	19,282	1,495	W	158	690	W	W	94	9.0
21	Tobacco Products	19	W	W	W	3	W	W	0	W	25.4
22	Textile Mill Products	267	30,046	1,625	963	93	W	W	0	11	15.5
23	Apparel and Other Textile Products	31	4,262	W	W	13	W	W	0	W	21.7
24	Lumber and Wood Products	219	9,387	W	1,657	17	366	W	0	157	12.2
25	Furniture and Fixtures	32	3,354	49	66	8	107	58	0	11	14.0
26	Paper and Allied Products	1,629	28,425	12,971	893	285	460	7,443	0	986	4.9
27	Printing and Publishing	36	6,096	W	W	13	103	0	0	1	18.5
28	Chemicals and Allied Products	2,512	87,941	5,854	1,162	1,503	681	7,687	0	448	7.4
29	Petroleum and Coal Products	1,801	17,958	2,910	889	537	W	W	W	1,158	9.8
30	Rubber and Misc. Plastics Products	113	17,270	835	279	40	311	73	0	3	9.5
31	Leather and Leather Products	1	W	W	W	*	W	0	0	W	40.0
32	Stone, Clay and Glass Products	381	14,618	W	1,136	177	W	4,957	W	26	11.1
33	Primary Metal Industries	636	47,575	W	651	195	W	W	5,999	105	10.5
34	Fabricated Metal Products	73	8,293	W	195	40	296	W	0	W	15.5
35	Industrial Machinery and Equipment	58	8,813	W	96	24	W	0	W	W	14.4
36	Electronic and Other Electric Equipment	70	11,194	54	95	26	200	67	0	2	16.7
37	Transportation Equipment	88	11,221	W	272	35	W	W	0	7	15.7
38	Instruments and Related Products	20	4,049	W	W	5	W	0	0	W	26.0
39	Misc. Manufacturing Industries	14	1,959	27	W	5	W	0	0	W	30.2
Total		8,357	332,754	28,003	9,464	3,176	7,032	23,986	6,156	3,012	3.9

See footnotes at end of table.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
West Census Region											
RSE Column Factors:		0.5	0.5	1.4	1.3	0.6	1.2	1.3	1.8	1.2	
20	Food and Kindred Products	245	9,065	618	1,193	148	W	1,146	W	23	8.7
21	Tobacco Products	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	5	W	0	0	3	W	0	0	W	29.3
23	Apparel and Other Textile Products	W	654	0	0	2	W	0	0	*	34.8
24	Lumber and Wood Products	144	6,276	W	1,608	14	W	0	0	98	13.4
25	Furniture and Fixtures	4	664	0	*	2	20	0	0	*	28.7
26	Paper and Allied Products	342	12,260	1,814	89	113	W	W	0	160	8.1
27	Printing and Publishing	13	2,182	0	W	5	W	0	0	W	19.6
28	Chemicals and Allied Products	171	12,979	W	W	84	W	W	W	11	15.4
29	Petroleum and Coal Products	728	6,963	2,506	W	W	W	W	0	516	9.0
30	Rubber and Misc. Plastics Products	20	3,749	W	W	6	W	W	0	W	21.1
31	Leather and Leather Products	W	W	0	0	W	Q	0	0	W	67.8
32	Stone, Clay and Glass Products	173	6,407	W	921	63	W	2,916	W	W	13.7
33	Primary Metal Industries	217	28,379	189	W	W	W	W	W	20	9.4
34	Fabricated Metal Products	39	3,326	0	41	17	W	0	W	W	21.3
35	Industrial Machinery and Equipment	21	3,849	0	27	7	W	0	0	W	20.5
36	Electronic and Other Electric Equipment	29	6,027	0	W	8	W	0	0	W	18.6
37	Transportation Equipment	51	6,487	W	146	21	W	0	0	6	20.0
38	Instruments and Related Products	17	3,208	0	W	5	W	0	0	*	18.4
39	Misc. Manufacturing Industries	5	978	0	W	W	W	0	0	W	39.6
Total		2,230	113,899	5,772	5,493	698	9,151	5,965	1,192	856	5.2

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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 for the production of heat and power, 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 "Total Inputs" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
RSE Column Factors:		0.6	0.6	1.3	1.2	0.7	1.2	1.4	1.8	1.1	
20	Food and Kindred Products	1,183	58,004	4,785	3,180	611	1,707	7,500	94	134	5.5
2011	Meat Packing Plants	53	3,924	138	101	35	W	W	0	2	15.2
2033	Canned Fruits and Vegetables	51	1,432	241	119	42	W	W	0	*	14.9
2037	Frozen Fruits and Vegetables	42	2,901	204	62	27	74	0	0	2	17.2
2046	Wet Corn Milling	173	5,662	169	10	67	9	3,556	6	5	19.1
2051	Bread, Cake, and Related Products	37	2,436	Q	131	26	89	0	0	*	20.8
2061	Cane Sugar, Except Refining	105	W	W	220	2	W	W	0	99	18.1
2062	Cane Sugar Refining	23	125	313	97	16	4	0	0	4	28.2
2063	Beet Sugar	64	425	270	W	18	W	1,790	88	*	3.2
2075	Soybean Oil Mills	56	1,845	147	W	29	W	682	0	3	1.3
2082	Malt Beverages	51	2,311	W	21	21	W	789	0	*	7.7
21	Tobacco Products	W	842	133	W	W	W	W	0	W	24.1
22	Textile Mill Products	310	32,614	2,680	W	113	W	1,821	0	14	12.3
23	Apparel and Other Textile Products	56	7,735	W	106	24	W	W	0	W	19.9
24	Lumber and Wood Products	435	19,836	W	3,793	47	W	W	0	290	8.5
2421	Sawmills and Planing Mills, General	198	6,556	W	1,206	11	W	0	0	157	13.6
2436	Softwood Veneer and Plywood	73	2,517	Q	251	3	168	0	0	60	14.6
2493	Reconstituted Wood Products	71	4,453	W	W	17	W	W	0	33	13.5
25	Furniture and Fixtures	65	6,590	60	153	23	211	115	0	14	11.0
2511	Wood Furniture, Except Upholstered	24	2,146	47	62	2	59	56	0	12	14.7
26	Paper and Allied Products	2,634	65,479	27,444	1,560	558	1,315	13,812	0	1,343	3.5
2611	Pulp Mills	251	2,190	3,583	W	21	W	328	0	190	12.7
2621	Paper Mills	1,292	34,419	14,942	744	263	465	8,783	0	609	5.2
2631	Paperboard Mills	930	13,512	7,914	W	194	W	4,552	0	531	2.8
27	Printing and Publishing	112	17,409	W	261	46	W	0	0	2	10.1
28	Chemicals and Allied Products	3,273	152,482	9,567	2,201	1,840	W	11,597	W	521	6.1
2812	Alkalies and Chlorine	129	13,424	W	51	52	1	W	0	W	7.8
2813	Industrial Gases	99	23,525	0	W	18	W	0	0	*	24.1
2816	Inorganic Pigments	40	2,393	W	W	W	W	W	0	W	10.3
2819	Industrial Inorganic Chemicals, nec.	344	42,239	588	W	W	W	1,451	W	18	11.4
2821	Plastics Materials and Resins	319	16,408	542	186	W	W	875	0	50	9.1
2822	Synthetic Rubber	63	2,276	W	15	41	W	W	0	9	22.1
2823	Cellulosic Manmade Fibers	28	419	0	23	W	W	W	0	W	1.1
2824	Organic Fibers, Noncellulosic	114	7,093	1,435	88	W	W	1,577	0	W	7.6
2861	Gum and Wood Chemicals	10	211	*	W	4	W	0	0	5	8.5
2865	Cyclic Crudes and Intermediates	155	4,789	W	204	95	279	W	0	25	19.1
2869	Industrial Organic Chemicals, nec.	1,370	18,786	795	317	813	265	4,178	0	369	9.4
2873	Nitrogenous Fertilizers	286	3,817	0	29	260	4	0	0	5	13.3
2874	Phosphatic Fertilizers	18	1,131	W	117	W	3	W	0	W	6.3
2895	Carbon Black	30	W	W	W	17	W	0	0	W	16.1
29	Petroleum and Coal Products	3,263	35,440	11,378	3,652	W	11,719	W	W	2,181	6.7
2911	Petroleum Refining	3,153	33,335	10,891	1,159	734	W	W	0	2,161	5.2
30	Rubber and Misc. Plastics Products	286	43,749	1,600	540	107	824	219	0	6	7.4
3011	Tires and Inner Tubes	48	4,664	720	115	22	95	81	0	2	9.5
308	Miscellaneous Plastics Products, nec.	192	33,961	497	262	62	632	82	0	4	11.0
31	Leather and Leather Products	W	828	250	W	W	W	0	0	*	20.9
32	Stone, Clay and Glass Products	945	36,018	1,187	3,917	419	1,057	12,423	319	75	7.2
3211	Flat Glass	52	1,468	244	11	44	20	0	0	*	20.3
3221	Glass Containers	83	4,268	336	75	64	98	0	0	*	7.9
3229	Pressed and Blown Glass, nec.	63	3,233	W	57	49	W	0	0	*	10.7
3241	Cement, Hydraulic	329	10,784	158	820	24	9	9,174	150	55	11.9
3274	Lime	96	1,151	105	251	12	5	2,980	82	9	19.5
3296	Mineral Wool	51	3,401	W	9	36	W	0	86	*	14.6
33	Primary Metal Industries	2,568	144,466	6,870	2,126	778	1,472	2,327	27,854	475	6.6
331	Blast Furnace and Basic Steel Products ..	1,907	53,269	6,680	W	503	W	1,771	26,503	466	9.2
3312	Blast Furnaces and Steel Mills	1,824	43,520	6,659	W	462	W	1,598	26,503	464	7.6
3313	Electrometallurgical Products	23	4,796	0	21	2	5	Q	0	Q	40.1
3321	Gray and Ductile Iron Foundries	92	8,820	Q	113	32	141	5	1,119	1	12.1
3331	Primary Copper	32	1,581	W	W	21	W	W	0	W	1.1
3334	Primary Aluminum	201	53,552	W	125	16	W	0	0	W	1.6
3339	Primary Nonferrous Metals, nec.	38	4,151	W	W	12	17	361	126	1	15.0
3353	Aluminum Sheet, Plate, and Foil	73	4,835	0	W	51	54	W	0	W	6.6

See footnotes at end of table.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
RSE Column Factors:		0.6	0.6	1.3	1.2	0.7	1.2	1.4	1.8	1.1	
34	Fabricated Metal Products	365	33,819	478	747	213	1,334	W	W	W	12.8
35	Industrial Machinery and Equipment	245	32,037	W	672	107	885	484	W	5	8.9
357	Computer and Office Equipment	20	4,179	W	23	5	W	0	0	*	27.3
36	Electronic and Other Electric Equipment ...	230	33,148	415	290	84	622	W	W	W	12.6
37	Transportation Equipment	358	38,773	1,781	1,123	150	W	1,245	W	22	10.2
3711	Motor Vehicles and Car Bodies	105	8,845	300	81	51	88	571	0	8	20.8
3714	Motor Vehicle Parts and Accessories	117	13,417	W	166	53	W	444	W	3	17.4
38	Instruments and Related Products	106	13,490	589	238	W	W	1,065	0	W	15.8
3841	Surgical and Medical Instruments	7	1,347	16	13	2	30	0	0	*	22.8
39	Misc. Manufacturing Industries	51	5,575	142	209	19	W	37	0	W	20.8
	Total	16,515	778,335	70,111	26,107	5,962	25,949	54,143	28,488	5,126	2.8

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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 for the production of heat and power, 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 "Total Inputs" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 3
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
Total United States											
RSE Column Factors:		0.5	0.5	1.3	1.3	0.5	1.2	1.5	2.3	1.1	
20	Food and Kindred Products	1,183	198	30	19	630	6	165	2	134	5.5
21	Tobacco Products	W	3	1	W	W	W	W	0	W	25.0
22	Textile Mill Products	310	111	17	W	117	W	40	0	14	12.8
23	Apparel and Other Textile Products	56	26	W	1	25	W	W	0	W	21.0
24	Lumber and Wood Products	435	68	W	22	48	W	W	0	290	8.8
25	Furniture and Fixtures	65	22	*	1	23	1	3	0	14	11.4
26	Paper and Allied Products	2,634	223	173	9	574	5	307	0	1,343	3.6
27	Printing and Publishing	112	59	W	2	47	W	0	0	2	10.6
28	Chemicals and Allied Products	3,273	520	60	13	1,895	W	257	W	521	6.1
29	Petroleum and Coal Products	3,263	121	72	21	W	47	W	W	2,181	6.8
30	Rubber and Misc. Plastics Products	286	149	10	3	110	3	5	0	6	7.7
31	Leather and Leather Products	W	3	2	W	W	W	0	0	*	22.1
32	Stone, Clay and Glass Products	945	123	7	23	431	4	274	8	75	7.2
33	Primary Metal Industries	2,568	493	43	12	801	5	52	687	475	6.6
34	Fabricated Metal Products	365	115	3	4	220	5	W	W	W	12.8
35	Industrial Machinery and Equipment	245	109	W	4	110	3	11	W	5	9.3
36	Electronic and Other Electric Equipment ...	230	113	3	2	87	2	W	W	W	12.6
37	Transportation Equipment	358	132	11	7	154	W	28	W	22	10.1
38	Instruments and Related Products	106	46	4	1	W	W	23	0	W	16.3
39	Misc. Manufacturing Industries	51	19	1	1	19	W	1	0	W	21.7
Total		16,515	2,656	441	152	6,141	99	1,198	703	5,126	2.8
Northeast Census Region											
RSE Column Factors:		0.6	0.5	0.9	1.0	0.6	1.3	1.8	2.3	1.2	
20	Food and Kindred Products	93	21	9	W	51	W	W	0	4	13.9
21	Tobacco Products	W	*	W	W	W	W	0	0	W	37.7
22	Textile Mill Products	32	6	7	W	14	1	W	0	3	16.3
23	Apparel and Other Textile Products	W	7	W	W	5	W	0	0	W	44.6
24	Lumber and Wood Products	22	4	W	1	3	W	0	0	12	26.5
25	Furniture and Fixtures	5	1	*	*	2	*	0	0	1	25.9
26	Paper and Allied Products	305	32	74	2	48	2	45	0	102	7.7
27	Printing and Publishing	21	11	W	1	9	W	0	0	W	18.3
28	Chemicals and Allied Products	146	38	21	4	59	W	W	0	17	9.8
29	Petroleum and Coal Products	221	10	14	8	40	W	W	0	140	11.3
30	Rubber and Misc. Plastics Products	43	22	W	1	14	W	1	0	W	14.9
31	Leather and Leather Products	W	1	1	W	W	*	0	0	W	28.6
32	Stone, Clay and Glass Products	128	18	W	5	67	1	33	W	W	13.3
33	Primary Metal Industries	317	61	W	W	106	2	W	W	89	14.7
34	Fabricated Metal Products	56	17	2	2	32	1	W	W	1	16.5
35	Industrial Machinery and Equipment	36	15	1	1	16	1	0	0	2	14.9
36	Electronic and Other Electric Equipment ...	69	25	W	1	22	1	W	W	W	23.2
37	Transportation Equipment	41	12	6	2	13	W	W	0	2	16.4
38	Instruments and Related Products	52	13	3	1	W	W	23	0	W	20.1
39	Misc. Manufacturing Industries	21	6	1	1	6	W	W	0	W	26.3
Total		1,625	321	153	41	517	18	130	43	403	5.3

See footnotes at end of table.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
Midwest Census Region											
RSE Column Factors:		0.5	0.5	1.7	1.3	0.6	1.3	1.3	1.4	1.3	
20	Food and Kindred Products	489	80	7	W	264	W	121	1	12	8.4
21	Tobacco Products	W	W	0	W	W	0	0	0	W	50.3
22	Textile Mill Products	6	W	0	W	4	W	0	0	W	28.3
23	Apparel and Other Textile Products	7	3	0	W	4	W	0	0	W	30.6
24	Lumber and Wood Products	50	10	W	2	13	1	W	0	22	16.0
25	Furniture and Fixtures	23	7	*	*	12	*	1	0	2	19.2
26	Paper and Allied Products	358	53	5	1	117	W	W	0	95	6.5
27	Printing and Publishing	42	20	*	W	20	W	0	0	1	14.2
28	Chemicals and Allied Products	444	138	W	W	201	1	57	0	44	10.3
29	Petroleum and Coal Products	512	26	24	W	88	W	W	0	367	9.1
30	Rubber and Misc. Plastics Products	111	55	W	W	50	1	W	0	W	13.5
31	Leather and Leather Products	W	W	W	W	W	W	0	0	W	30.8
32	Stone, Clay and Glass Products	263	33	W	6	117	W	67	W	36	14.7
33	Primary Metal Industries	1,398	173	30	W	W	W	33	472	261	9.6
34	Fabricated Metal Products	198	58	W	1	129	W	5	W	1	18.1
35	Industrial Machinery and Equipment	129	51	1	2	62	1	11	0	2	13.6
36	Electronic and Other Electric Equipment ..	62	29	W	W	30	W	W	0	2	17.0
37	Transportation Equipment	179	60	W	3	84	1	21	W	7	16.3
38	Instruments and Related Products	17	8	W	*	W	W	0	0	W	21.4
39	Misc. Manufacturing Industries	10	3	0	W	W	W	W	0	W	35.3
Total		4,303	811	75	23	1,635	19	407	478	855	5.0
South Census Region											
RSE Column Factors:		0.5	0.5	1.6	1.4	0.5	1.2	1.4	2.1	1.1	
20	Food and Kindred Products	356	66	9	W	162	2	W	W	94	9.0
21	Tobacco Products	19	W	W	W	3	W	W	0	W	25.4
22	Textile Mill Products	267	103	10	6	95	W	W	0	11	15.4
23	Apparel and Other Textile Products	31	15	W	W	13	W	W	0	W	21.6
24	Lumber and Wood Products	219	32	W	10	18	1	W	0	157	12.2
25	Furniture and Fixtures	32	11	*	*	8	*	1	0	11	14.0
26	Paper and Allied Products	1,629	97	82	5	294	2	165	0	986	4.9
27	Printing and Publishing	36	21	W	W	13	*	0	0	1	18.5
28	Chemicals and Allied Products	2,512	300	37	7	1,548	2	170	0	448	7.4
29	Petroleum and Coal Products	1,801	61	18	5	553	W	W	W	1,158	9.8
30	Rubber and Misc. Plastics Products	113	59	5	2	41	1	2	0	3	9.5
31	Leather and Leather Products	1	W	W	W	*	W	0	0	W	40.1
32	Stone, Clay and Glass Products	381	50	W	7	183	W	109	W	26	11.1
33	Primary Metal Industries	636	162	W	4	200	W	W	148	105	10.5
34	Fabricated Metal Products	73	28	W	1	41	1	W	0	W	15.5
35	Industrial Machinery and Equipment	58	30	W	1	25	W	0	W	W	14.4
36	Electronic and Other Electric Equipment ..	70	38	*	1	27	1	1	0	2	16.7
37	Transportation Equipment	88	38	W	2	36	W	W	0	7	15.7
38	Instruments and Related Products	20	14	W	W	5	W	0	0	W	26.1
39	Misc. Manufacturing Industries	14	7	*	W	5	W	0	0	W	30.3
Total		8,357	1,135	176	55	3,271	26	530	152	3,012	3.9

See footnotes at end of table.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
West Census Region											
RSE Column Factors:		0.5	0.5	1.4	1.3	0.6	1.2	1.3	1.8	1.2	
20	Food and Kindred Products	245	31	4	7	152	W	25	W	23	8.7
21	Tobacco Products	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	5	W	0	0	3	W	0	0	W	29.3
23	Apparel and Other Textile Products	W	2	0	0	2	W	0	0	*	34.9
24	Lumber and Wood Products	144	21	W	9	14	W	0	0	98	13.6
25	Furniture and Fixtures	4	2	0	*	2	*	0	0	*	28.6
26	Paper and Allied Products	342	42	11	1	116	W	W	0	160	8.1
27	Printing and Publishing	13	7	0	W	6	W	0	0	W	19.6
28	Chemicals and Allied Products	171	44	W	W	87	W	W	W	11	15.4
29	Petroleum and Coal Products	728	24	16	W	W	W	W	0	516	9.1
30	Rubber and Misc. Plastics Products	20	13	W	W	6	W	W	0	W	21.1
31	Leather and Leather Products	W	W	0	0	W	*	0	0	W	67.9
32	Stone, Clay and Glass Products	173	22	W	5	65	W	64	W	W	13.7
33	Primary Metal Industries	217	97	1	W	W	W	W	W	20	9.4
34	Fabricated Metal Products	39	11	0	*	17	W	0	W	W	21.2
35	Industrial Machinery and Equipment	21	13	0	*	8	W	0	0	W	20.5
36	Electronic and Other Electric Equipment	29	21	0	W	8	W	0	0	W	18.6
37	Transportation Equipment	51	22	W	1	22	W	0	0	6	20.0
38	Instruments and Related Products	17	11	0	W	6	W	0	0	*	18.4
39	Misc. Manufacturing Industries	5	3	0	W	W	W	0	0	W	39.6
Total		2,230	389	36	32	719	37	131	30	856	5.2

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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 for the production of heat and power, 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 "Total Inputs" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 4
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
RSE Column Factors:		0.6	0.6	1.3	1.2	0.7	1.2	1.4	1.8	1.1	
20	Food and Kindred Products	1,183	198	30	19	630	6	165	2	134	5.5
2011	Meat Packing Plants	53	13	1	1	36	W	W	0	2	15.2
2033	Canned Fruits and Vegetables	51	5	2	1	43	W	W	0	*	14.9
2037	Frozen Fruits and Vegetables	42	10	1	*	28	*	0	0	2	17.2
2046	Wet Corn Milling	173	19	1	*	68	*	78	*	5	19.1
2051	Bread, Cake, and Related Products	37	8	*	1	27	*	0	0	*	20.8
2061	Cane Sugar, Except Refining	105	W	W	1	2	W	W	0	99	18.1
2062	Cane Sugar Refining	23	*	2	1	16	*	0	0	4	28.2
2063	Beet Sugar	64	1	2	W	19	W	39	2	*	3.2
2075	Soybean Oil Mills	56	6	1	W	30	W	15	0	3	1.3
2082	Malt Beverages	51	8	W	*	22	W	17	0	*	7.7
21	Tobacco Products	W	3	1	W	W	W	W	0	W	24.1
22	Textile Mill Products	310	111	17	W	117	W	40	0	14	12.3
23	Apparel and Other Textile Products	56	26	W	1	25	W	W	0	W	19.8
24	Lumber and Wood Products	435	68	W	22	48	W	W	0	290	8.5
2421	Sawmills and Planing Mills, General	198	22	W	7	11	W	0	0	157	13.6
2436	Softwood Veneer and Plywood	73	9	*	1	3	1	0	0	60	14.6
2493	Reconstituted Wood Products	71	15	W	W	18	W	W	0	33	13.5
25	Furniture and Fixtures	65	22	*	1	23	1	3	0	14	11.0
2511	Wood Furniture, Except Upholstered	24	7	*	*	2	*	1	0	12	14.7
26	Paper and Allied Products	2,634	223	173	9	574	5	307	0	1,343	3.5
2611	Pulp Mills	251	7	23	W	22	W	7	0	190	12.7
2621	Paper Mills	1,292	117	94	4	271	2	195	0	609	5.2
2631	Paperboard Mills	930	46	50	W	199	W	101	0	531	2.8
27	Printing and Publishing	112	59	W	2	47	W	0	0	2	10.1
28	Chemicals and Allied Products	3,273	520	60	13	1,895	W	257	W	521	6.1
2812	Alkalies and Chlorine	129	46	W	*	53	*	W	0	W	7.8
2813	Industrial Gases	99	80	0	W	19	W	0	0	*	24.1
2816	Inorganic Pigments	40	8	W	W	W	W	W	0	W	10.1
2819	Industrial Inorganic Chemicals, nec.	344	144	4	W	W	W	32	W	18	11.4
2821	Plastics Materials and Resins	319	56	3	1	W	W	19	0	50	9.0
2822	Synthetic Rubber	63	8	W	*	42	W	W	0	9	22.1
2823	Cellulosic Manmade Fibers	28	1	0	*	W	W	W	0	W	1.1
2824	Organic Fibers, Noncellulosic	114	24	9	1	W	W	35	0	W	7.6
2861	Gum and Wood Chemicals	10	1	*	W	4	W	0	0	5	8.5
2865	Cyclic Crudes and Intermediates	155	16	W	1	98	1	W	0	25	19.1
2869	Industrial Organic Chemicals, nec.	1,370	64	5	2	837	1	92	0	369	9.4
2873	Nitrogenous Fertilizers	286	13	0	*	267	*	0	0	5	13.3
2874	Phosphatic Fertilizers	18	4	W	1	W	*	W	0	W	6.3
2895	Carbon Black	30	W	W	W	17	W	0	0	W	16.1
29	Petroleum and Coal Products	3,263	121	72	21	W	47	W	W	2,181	6.8
2911	Petroleum Refining	3,153	114	68	7	756	W	W	0	2,161	5.3
30	Rubber and Misc. Plastics Products	286	149	10	3	110	3	5	0	6	7.4
3011	Tires and Inner Tubes	48	16	5	1	23	*	2	0	2	9.5
308	Miscellaneous Plastics Products, nec.	192	116	3	2	63	2	2	0	4	11.0
31	Leather and Leather Products	W	3	2	W	W	W	0	0	*	20.9
32	Stone, Clay and Glass Products	945	123	7	23	431	4	274	8	75	7.2
3211	Flat Glass	52	5	2	*	45	*	0	0	*	20.2
3221	Glass Containers	83	15	2	*	66	*	0	0	*	7.9
3229	Pressed and Blown Glass, nec.	63	11	W	*	50	W	0	0	*	10.7
3241	Cement, Hydraulic	329	37	1	5	25	*	202	4	55	11.9
3274	Lime	96	4	1	1	13	*	66	2	9	19.5
3296	Mineral Wool	51	12	W	*	37	W	0	2	*	14.6
33	Primary Metal Industries	2,568	493	43	12	801	5	52	687	475	6.6
331	Blast Furnace and Basic Steel Products ..	1,907	182	42	W	518	W	39	654	466	9.2
3312	Blast Furnaces and Steel Mills	1,824	148	42	W	476	W	35	654	464	7.6
3313	Electrometallurgical Products	23	16	0	*	3	*	Q	0	Q	40.1
3321	Gray and Ductile Iron Foundries	92	30	*	1	33	1	*	28	1	12.1
3331	Primary Copper	32	5	W	W	22	W	W	0	W	1.1
3334	Primary Aluminum	201	183	W	1	17	W	0	0	W	1.6
3339	Primary Nonferrous Metals, nec.	38	14	W	W	12	*	8	3	1	15.0
3353	Aluminum Sheet, Plate, and Foil	73	16	0	W	53	*	W	0	W	6.6

See footnotes at end of table.

Table A4. Total Inputs of Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 4 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
RSE Column Factors:		0.6	0.6	1.3	1.2	0.7	1.2	1.4	1.8	1.1	
34	Fabricated Metal Products	365	115	3	4	220	5	W	W	W	12.8
35	Industrial Machinery and Equipment	245	109	W	4	110	3	11	W	5	8.9
357	Computer and Office Equipment	20	14	W	*	5	W	0	0	*	27.3
36	Electronic and Other Electric Equipment ...	230	113	3	2	87	2	W	W	W	12.6
37	Transportation Equipment	358	132	11	7	154	W	28	W	22	10.1
3711	Motor Vehicles and Car Bodies	105	30	2	*	52	*	13	0	8	20.8
3714	Motor Vehicle Parts and Accessories	117	46	W	1	54	W	10	W	3	17.4
38	Instruments and Related Products	106	46	4	1	W	W	23	0	W	15.8
3841	Surgical and Medical Instruments	7	5	*	*	2	*	0	0	*	22.8
39	Misc. Manufacturing Industries	51	19	1	1	19	W	1	0	W	20.9
	Total	16,515	2,656	441	152	6,141	99	1,198	703	5,126	2.8

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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 for the production of heat and power, 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 "Total Inputs" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A4. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Industry Group and Selected Industries, 1994: Part 5

SIC Code ^a	Industry Group and Industry	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	RSE Row Factors
RSE Column Factors:		0.2	0.2	2.4	1.4	0.7	1.4	2.3	2.4	1.5	
20	Food and Kindred Products	14,698	14,637	575	3,249	11,042	3,873	173	31	1,952	4.5
2011	Meat Packing Plants	759	759	21	144	528	121	W	0	99	9.7
2033	Canned Fruits and Vegetables	531	531	53	97	507	287	W	0	94	7.4
2037	Frozen Fruits and Vegetables	232	231	Q	Q	195	Q	0	0	Q	8.6
2046	Wet Corn Milling	58	58	4	20	48	16	20	W	17	5.9
2051	Bread, Cake, and Related Products	1,303	1,303	13	250	1,011	179	0	0	138	12.6
2061	Cane Sugar, Except Refining	43	43	12	26	25	6	W	0	39	4.6
2062	Cane Sugar Refining	20	20	8	15	11	11	0	0	8	7.2
2063	Beet Sugar	41	41	13	30	36	28	28	W	24	1.2
2075	Soybean Oil Mills	95	92	13	38	88	13	18	0	31	1.1
2082	Malt Beverages	140	140	47	35	133	80	33	0	58	4.6
21	Tobacco Products	121	121	42	42	94	48	31	0	48	4.5
22	Textile Mill Products	4,427	4,427	441	668	2,517	1,282	85	0	448	9.3
23	Apparel and Other Textile Products	18,019	17,754	20	876	8,885	1,330	5	0	528	10.6
24	Lumber and Wood Products	21,481	18,896	83	9,251	7,557	5,075	8	0	5,788	7.6
2421	Sawmills and Planing Mills, General	3,406	3,191	Q	2,044	657	447	0	0	1,377	10.1
2436	Softwood Veneer and Plywood	182	182	W	158	67	160	0	0	174	3.5
2493	Reconstituted Wood Products	246	246	Q	100	132	129	W	0	107	19.5
25	Furniture and Fixtures	7,686	7,535	43	566	5,109	2,669	85	0	745	9.4
2511	Wood Furniture, Except Upholstered	1,543	1,543	25	233	776	460	62	0	382	12.2
26	Paper and Allied Products	5,582	5,547	382	878	4,290	2,321	173	0	807	4.8
2611	Pulp Mills	55	55	26	38	40	36	7	0	40	3.1
2621	Paper Mills	310	310	153	166	232	198	80	0	196	1.8
2631	Paperboard Mills	219	219	101	102	189	117	57	0	105	1.2
27	Printing and Publishing	37,384	37,335	82	1,853	22,680	3,601	0	0	759	9.0
28	Chemicals and Allied Products	9,565	9,555	340	2,541	6,723	2,768	125	3	1,955	5.1
2812	Alkalies and Chlorine	44	44	3	19	33	13	3	0	30	3.0
2813	Industrial Gases	623	617	0	10	152	12	0	0	30	9.9
2816	Inorganic Pigments	81	81	5	32	66	47	5	0	23	2.8
2819	Industrial Inorganic Chemicals, nec.	568	568	27	285	495	169	13	3	245	6.9
2821	Plastics Materials and Resins	456	456	49	160	395	224	15	0	214	5.3
2822	Synthetic Rubber	63	63	6	20	53	23	4	0	24	6.0
2823	Cellulosic Manmade Fibers	11	11	0	6	6	3	4	0	4	1.3
2824	Organic Fibers, Noncellulosic	73	73	23	33	62	38	13	0	22	2.2
2861	Gum and Wood Chemicals	60	60	W	38	22	21	0	0	36	3.0
2865	Cyclic Crudes and Intermediates	187	187	39	73	178	78	5	0	101	5.6
2869	Industrial Organic Chemicals, nec.	631	631	40	250	530	167	24	0	216	7.1
2873	Nitrogenous Fertilizers	118	117	0	51	79	28	0	0	47	4.2
2874	Phosphatic Fertilizers	69	68	5	46	51	13	4	0	30	2.0
2895	Carbon Black	23	23	4	12	22	W	0	0	10	5.2
29	Petroleum and Coal Products	1,971	1,960	117	783	1,148	675	15	W	436	8.5
2911	Petroleum Refining	247	246	72	82	218	99	5	0	186	1.9
30	Rubber and Misc. Plastics Products	11,952	11,942	208	1,036	8,927	4,193	23	0	1,304	6.4
3011	Tires and Inner Tubes	112	112	32	69	112	88	8	0	67	4.7
308	Miscellaneous Plastics Products, nec.	9,967	9,957	114	606	7,358	3,682	6	0	1,037	6.9
31	Leather and Leather Products	1,356	1,356	54	108	975	158	0	0	83	11.9
32	Stone, Clay and Glass Products	11,866	11,815	76	3,829	6,990	2,320	233	43	2,047	6.0
3211	Flat Glass	68	68	W	43	62	47	0	0	31	4.0
3221	Glass Containers	78	78	11	30	78	45	0	0	35	2.9
3229	Pressed and Blown Glass, nec.	163	163	W	37	163	36	0	0	99	10.1
3241	Cement, Hydraulic	190	190	11	154	127	67	150	13	144	6.3
3274	Lime	84	83	3	68	53	22	46	5	53	5.6
3296	Mineral Wool	174	174	W	99	169	112	0	25	97	3.3
33	Primary Metal Industries	5,171	5,117	88	1,287	4,652	2,259	78	230	1,537	5.3
331	Blast Furnace and Basic Steel Products ..	981	981	43	315	931	495	31	38	303	5.1
3312	Blast Furnaces and Steel Mills	284	284	26	152	261	103	23	38	138	2.2
3313	Electrometallurgical Products	36	36	0	18	32	18	Q	0	14	10.8
3321	Gray and Ductile Iron Foundries	517	517	Q	289	488	286	Q	169	297	7.6
3331	Primary Copper	20	20	W	8	18	4	W	0	7	1.1
3334	Primary Aluminum	44	44	W	36	42	28	0	0	31	3.6
3339	Primary Nonferrous Metals, nec.	88	88	W	25	72	32	W	6	33	9.0
3353	Aluminum Sheet, Plate, and Foil	55	55	0	38	53	35	W	0	33	2.5

See footnotes at end of table.

Table A4. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Industry Group and Selected Industries, 1994: Part 5 (Continued)

SIC Code ^a	Industry Group and Industry	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	RSE Row Factors
RSE Column Factors:		0.2	0.2	2.4	1.4	0.7	1.4	2.3	2.4	1.5	
34	Fabricated Metal Products	26,262	26,251	72	2,924	20,023	8,278	64	12	5,776	7.6
35	Industrial Machinery and Equipment	33,837	33,655	97	2,773	24,422	9,191	Q	W	6,475	6.0
357	Computer and Office Equipment	1,410	1,381	W	54	1,037	Q	0	0	12	15.1
36	Electronic and Other Electric Equipment	11,254	11,254	65	721	7,362	1,849	12	W	1,302	8.4
37	Transportation Equipment	7,240	7,240	46	811	4,300	2,643	31	4	1,790	8.5
3711	Motor Vehicles and Car Bodies	322	322	W	Q	261	Q	Q	0	Q	12.1
3714	Motor Vehicle Parts and Accessories	2,062	2,062	5	141	1,454	803	21	3	533	10.7
38	Instruments and Related Products	7,059	7,059	Q	866	4,591	825	Q	0	208	9.7
3841	Surgical and Medical Instruments	878	878	3	24	577	198	0	0	45	14.5
39	Misc. Manufacturing Industries	9,994	9,994	161	856	6,488	1,079	3	0	1,015	10.6
	Total	246,925	243,452	3,080	35,920	158,773	56,438	1,397	330	35,002	3.2

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Any Energy Source" represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 1994. See Appendix B for number of establishments by SIC in the sample frame of 247,199 establishments.

^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 producers, brokers, and marketers.

^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 for the production of heat and power, 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 "Total Inputs" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
Total United States											
RSE Column Factors:		0.5	0.4	1.3	1.3	0.5	1.2	1.5	2.4	1.3	
20	Food and Kindred Products	1,081	59,743	4,785	3,177	609	1,707	7,500	94	28	5.4
21	Tobacco Products	21	1,259	133	W	W	W	W	0	W	23.6
22	Textile Mill Products	311	32,692	2,680	W	113	W	1,821	0	14	12.6
23	Apparel and Other Textile Products	56	7,748	W	106	24	W	W	0	1	22.9
24	Lumber and Wood Products	210	20,832	W	3,793	47	W	W	0	61	9.1
25	Furniture and Fixtures	54	6,678	60	153	23	211	115	0	3	12.1
26	Paper and Allied Products	1,621	72,248	27,444	1,558	558	1,315	13,812	0	306	3.4
27	Printing and Publishing	111	17,410	W	W	46	W	0	0	2	10.7
28	Chemicals and Allied Products	2,997	160,225	9,567	W	1,839	1,073	11,597	W	219	6.1
29	Petroleum and Coal Products	1,156	37,379	4,558	2,883	758	W	W	W	176	7.2
30	Rubber and Misc. Plastics Products	285	43,777	1,600	540	107	824	219	0	4	7.8
31	Leather and Leather Products	10	827	250	W	W	W	0	0	*	22.1
32	Stone, Clay and Glass Products	943	36,026	1,187	3,917	419	1,057	12,422	319	73	7.2
33	Primary Metal Industries	1,859	149,593	6,870	2,126	777	1,472	2,327	16,660	24	6.7
34	Fabricated Metal Products	365	33,900	478	747	213	1,334	W	W	Q	13.0
35	Industrial Machinery and Equipment	244	32,044	W	672	107	885	484	W	4	9.4
36	Electronic and Other Electric Equipment	230	33,152	415	288	84	622	W	W	Q	12.8
37	Transportation Equipment	356	38,998	1,781	1,103	150	W	1,245	W	19	10.2
38	Instruments and Related Products	105	13,494	589	237	28	W	1,065	0	W	16.6
39	Misc. Manufacturing Industries	50	5,575	142	209	19	W	37	0	W	22.1
Total		12,066	803,603	63,291	25,298	5,929	18,443	54,143	17,294	978	2.8
Northeast Census Region											
RSE Column Factors:		0.5	0.4	0.9	1.0	0.6	1.3	1.8	2.4	1.4	
20	Food and Kindred Products	91	6,292	1,496	W	47	W	W	0	3	13.6
21	Tobacco Products	W	20	W	W	W	W	0	0	W	37.8
22	Textile Mill Products	32	1,667	1,055	W	13	234	W	0	3	16.4
23	Apparel and Other Textile Products	W	2,035	W	W	5	W	0	0	W	46.0
24	Lumber and Wood Products	12	1,212	W	247	3	W	0	0	3	26.4
25	Furniture and Fixtures	4	424	Q	77	2	20	0	0	*	26.1
26	Paper and Allied Products	244	10,460	11,849	414	46	440	1,965	0	37	7.5
27	Printing and Publishing	21	3,156	W	137	8	W	0	0	W	18.8
28	Chemicals and Allied Products	142	11,412	3,381	716	57	W	W	0	13	10.5
29	Petroleum and Coal Products	89	3,451	897	1,206	39	W	W	0	18	12.7
30	Rubber and Misc. Plastics Products	42	6,475	W	220	13	W	64	0	W	15.0
31	Leather and Leather Products	W	242	155	W	W	17	0	0	W	29.3
32	Stone, Clay and Glass Products	128	5,272	W	891	65	221	1,500	W	W	13.3
33	Primary Metal Industries	192	18,209	W	W	W	495	W	W	3	14.8
34	Fabricated Metal Products	56	5,087	303	409	31	265	W	W	1	16.5
35	Industrial Machinery and Equipment	36	4,525	190	251	15	168	0	0	2	15.0
36	Electronic and Other Electric Equipment	69	7,358	W	162	21	232	W	W	W	23.6
37	Transportation Equipment	41	3,567	992	272	13	W	W	0	2	16.6
38	Instruments and Related Products	51	3,746	554	202	9	W	1,065	0	W	20.4
39	Misc. Manufacturing Industries	21	1,673	115	104	6	W	W	0	Q	26.9
Total		1,290	96,282	23,043	6,962	499	3,920	5,775	138	115	6.0

See footnotes at end of table.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
Midwest Census Region											
RSE Column Factors:		0.5	0.5	1.7	1.3	0.5	1.3	1.3	1.4	1.4	
20	Food and Kindred Products	487	23,487	1,176	W	257	W	5,491	47	10	8.5
21	Tobacco Products	W	W	0	W	W	0	0	0	W	50.1
22	Textile Mill Products	6	W	0	W	4	W	0	0	W	28.2
23	Apparel and Other Textile Products	7	785	0	W	4	W	0	0	W	31.3
24	Lumber and Wood Products	31	3,124	W	281	12	269	W	0	3	16.8
25	Furniture and Fixtures	21	2,236	4	10	12	65	57	0	*	20.2
26	Paper and Allied Products	301	15,889	810	164	113	W	W	0	36	6.5
27	Printing and Publishing	41	5,975	*	W	19	W	0	0	W	13.9
28	Chemicals and Allied Products	426	40,434	W	W	195	255	2,561	0	26	10.9
29	Petroleum and Coal Products	147	7,598	1,515	W	W	W	W	0	19	9.4
30	Rubber and Misc. Plastics Products	111	16,270	W	W	48	224	W	0	1	13.6
31	Leather and Leather Products	W	W	W	W	W	W	0	0	W	30.7
32	Stone, Clay and Glass Products	261	9,722	W	969	114	W	3,050	W	34	14.8
33	Primary Metal Industries	979	51,375	4,833	W	410	W	1,511	12,017	16	9.8
34	Fabricated Metal Products	198	17,194	W	101	126	W	213	W	1	18.3
35	Industrial Machinery and Equipment	129	14,857	176	299	60	390	484	0	2	13.8
36	Electronic and Other Electric Equipment	63	8,573	W	W	29	W	W	0	W	16.9
37	Transportation Equipment	179	17,677	W	413	81	372	959	W	8	16.3
38	Instruments and Related Products	17	2,487	W	3	8	W	0	0	*	21.2
39	Misc. Manufacturing Industries	10	966	0	W	W	W	W	0	W	36.0
Total		3,419	239,503	9,745	3,881	1,587	4,354	18,418	12,233	159	5.4
South Census Region											
RSE Column Factors:		0.5	0.4	1.5	1.3	0.5	1.2	1.4	2.3	1.2	
20	Food and Kindred Products	272	19,516	1,495	W	158	690	W	W	9	8.8
21	Tobacco Products	21	W	W	W	3	W	W	0	W	23.8
22	Textile Mill Products	268	30,123	1,625	963	93	W	W	0	12	15.4
23	Apparel and Other Textile Products	31	4,275	W	W	13	W	W	0	W	22.2
24	Lumber and Wood Products	87	9,476	W	1,657	17	366	W	0	25	12.4
25	Furniture and Fixtures	24	3,354	49	66	8	107	58	0	2	15.2
26	Paper and Allied Products	836	30,321	12,971	892	285	460	7,443	0	186	5.1
27	Printing and Publishing	36	6,096	W	W	13	103	0	0	1	18.7
28	Chemicals and Allied Products	2,262	94,488	5,854	1,185	1,502	662	7,687	0	176	7.7
29	Petroleum and Coal Products	696	18,666	1,175	848	508	W	W	W	93	9.9
30	Rubber and Misc. Plastics Products	112	17,283	835	279	40	311	73	0	2	9.3
31	Leather and Leather Products	1	W	W	W	*	W	0	0	W	41.1
32	Stone, Clay and Glass Products	381	14,618	W	1,136	177	W	4,957	W	26	11.1
33	Primary Metal Industries	503	51,406	W	651	195	W	W	4,250	W	11.0
34	Fabricated Metal Products	73	8,293	W	195	40	296	W	0	W	15.8
35	Industrial Machinery and Equipment	58	8,813	W	96	24	W	0	W	W	14.8
36	Electronic and Other Electric Equipment	70	11,194	54	93	26	200	67	0	2	16.9
37	Transportation Equipment	86	11,268	W	272	35	W	W	0	4	16.1
38	Instruments and Related Products	20	4,049	W	W	5	W	0	0	Q	26.7
39	Misc. Manufacturing Industries	14	1,959	27	W	5	W	0	0	Q	31.0
Total		5,847	346,626	26,269	9,441	3,146	6,337	23,986	4,406	542	4.0

See footnotes at end of table.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group	Total (trillion Btu)	Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
West Census Region											
RSE Column Factors:		0.5	0.4	1.5	1.3	0.6	1.2	1.4	1.7	1.4	
20	Food and Kindred Products	232	10,449	618	1,195	148	W	1,146	W	5	8.3
21	Tobacco Products	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	5	W	0	0	3	W	0	0	W	29.2
23	Apparel and Other Textile Products	W	654	0	0	2	W	0	0	*	36.2
24	Lumber and Wood Products	80	7,019	W	1,608	14	W	0	0	30	14.2
25	Furniture and Fixtures	4	664	0	*	2	20	0	0	*	30.0
26	Paper and Allied Products	240	15,578	1,814	89	113	W	W	0	47	8.0
27	Printing and Publishing	13	2,183	0	W	5	W	0	0	W	20.8
28	Chemicals and Allied Products	167	13,892	W	W	84	W	W	W	4	15.7
29	Petroleum and Coal Products	225	7,664	970	W	W	W	W	0	45	9.9
30	Rubber and Misc. Plastics Products	20	3,749	W	W	6	W	W	0	W	21.1
31	Leather and Leather Products	W	W	0	0	W	Q	0	0	W	70.5
32	Stone, Clay and Glass Products	173	6,414	W	921	63	W	2,915	W	W	13.7
33	Primary Metal Industries	184	28,603	189	W	W	W	W	W	W	8.3
34	Fabricated Metal Products	39	3,326	0	41	17	W	0	W	W	21.8
35	Industrial Machinery and Equipment	21	3,849	0	27	7	W	0	0	W	20.6
36	Electronic and Other Electric Equipment	29	6,027	0	W	8	W	0	0	W	18.5
37	Transportation Equipment	51	6,487	W	146	21	W	0	0	6	19.8
38	Instruments and Related Products	17	3,212	0	W	5	W	0	0	*	18.6
39	Misc. Manufacturing Industries	5	978	0	W	W	W	0	0	W	40.6
Total		1,509	121,193	4,235	5,014	697	3,831	5,964	517	163	5.2

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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. See Appendix B.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total (trillion Btu)	Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
RSE Column Factors:		0.6	0.5	1.3	1.2	0.6	1.1	1.4	1.8	1.3	
20	Food and Kindred Products	1,081	59,743	4,785	3,177	609	1,707	7,500	94	28	5.4
2011	Meat Packing Plants	52	3,924	138	101	35	W	W	0	1	16.4
2033	Canned Fruits and Vegetables	51	1,490	241	119	42	W	W	0	*	14.9
2037	Frozen Fruits and Vegetables	42	2,901	204	62	27	74	0	0	2	17.2
2046	Wet Corn Milling	173	5,731	169	10	67	9	3,556	6	5	19.2
2051	Bread, Cake, and Related Products	37	2,436	Q	131	26	89	0	0	*	21.2
2061	Cane Sugar, Except Refining	8	156	W	220	2	W	W	0	1	14.4
2062	Cane Sugar Refining	21	128	313	97	16	4	0	0	2	29.3
2063	Beet Sugar	64	437	270	W	18	W	1,790	88	W	3.0
2075	Soybean Oil Mills	55	1,866	147	W	29	W	682	0	3	1.3
2082	Malt Beverages	51	2,323	W	21	21	W	789	0	W	7.5
21	Tobacco Products	21	1,259	133	W	W	W	W	0	W	22.7
22	Textile Mill Products	311	32,692	2,680	W	113	W	1,821	0	14	12.2
23	Apparel and Other Textile Products	56	7,748	W	106	24	W	W	0	1	21.7
24	Lumber and Wood Products	210	20,832	W	3,793	47	W	W	0	61	8.8
2421	Sawmills and Planing Mills, General	73	7,148	W	1,206	11	W	0	0	30	13.4
2436	Softwood Veneer and Plywood	28	2,766	Q	251	3	168	0	0	14	19.4
2493	Reconstituted Wood Products	46	4,596	W	W	17	W	W	0	8	12.2
25	Furniture and Fixtures	54	6,678	60	153	23	211	115	0	3	11.7
2511	Wood Furniture, Except Upholstered	14	2,184	47	62	2	59	56	0	3	15.7
26	Paper and Allied Products	1,621	72,248	27,444	1,558	558	1,315	13,812	0	306	3.3
2611	Pulp Mills	81	2,562	3,583	W	21	W	328	0	20	12.9
2621	Paper Mills	840	37,907	14,942	744	263	465	8,783	0	144	5.2
2631	Paperboard Mills	540	16,399	7,914	W	194	W	4,552	0	132	2.8
27	Printing and Publishing	111	17,410	W	W	46	W	0	0	2	10.2
28	Chemicals and Allied Products	2,997	160,225	9,567	W	1,839	1,073	11,597	W	219	6.1
2812	Alkalies and Chlorine	122	13,703	W	51	52	1	W	0	W	8.3
2813	Industrial Gases	99	23,525	0	W	18	W	0	0	*	24.1
2816	Inorganic Pigments	40	2,393	W	W	W	W	W	0	W	10.3
2819	Industrial Inorganic Chemicals, nec.	340	42,861	588	W	137	W	1,451	W	12	11.8
2821	Plastics Materials and Resins	290	16,976	542	W	W	W	875	0	20	9.5
2822	Synthetic Rubber	67	2,476	W	15	41	W	W	0	12	22.5
2823	Cellulosic Manmade Fibers	29	437	0	23	W	W	W	0	W	1.1
2824	Organic Fibers, Noncellulosic	115	7,435	1,435	88	W	W	1,577	0	W	7.7
2861	Gum and Wood Chemicals	9	211	*	W	4	W	0	0	4	8.7
2865	Cyclic Crudes and Intermediates	141	4,794	W	204	95	279	W	0	12	20.7
2869	Industrial Organic Chemicals, nec.	1,142	22,537	795	317	812	265	4,178	0	129	10.0
2873	Nitrogenous Fertilizers	283	3,831	0	29	260	4	0	0	2	14.1
2874	Phosphatic Fertilizers	22	2,185	W	117	W	3	W	0	W	6.0
2895	Carbon Black	W	571	W	W	17	W	0	0	*	13.6
29	Petroleum and Coal Products	1,156	37,379	4,558	2,883	758	W	W	W	176	7.2
2911	Petroleum Refining	1,052	34,770	4,215	436	708	W	W	0	159	5.4
30	Rubber and Misc. Plastics Products	285	43,777	1,600	540	107	824	219	0	4	7.5
3011	Tires and Inner Tubes	48	4,664	720	115	22	95	81	0	2	9.7
308	Miscellaneous Plastics Products, nec.	190	33,989	497	262	61	632	82	0	2	11.4
31	Leather and Leather Products	10	827	250	W	W	W	0	0	*	21.0
32	Stone, Clay and Glass Products	943	36,026	1,187	3,917	419	1,057	12,422	319	73	7.2
3211	Flat Glass	52	1,468	244	11	44	20	0	0	*	20.3
3221	Glass Containers	83	4,268	336	75	64	98	0	0	*	7.9
3229	Pressed and Blown Glass, nec.	63	3,233	W	57	49	W	0	0	*	10.7
3241	Cement, Hydraulic	327	10,789	158	820	24	9	9,174	150	53	11.9
3274	Lime	96	1,151	105	251	12	5	2,980	82	9	19.5
3296	Mineral Wool	51	3,401	W	9	36	W	0	86	*	14.6
33	Primary Metal Industries	1,859	149,593	6,870	2,126	777	1,472	2,327	16,660	24	6.7
331	Blast Furnace and Basic Steel Products ..	1,187	55,214	6,680	W	502	W	1,771	15,310	15	10.0
3312	Blast Furnaces and Steel Mills	1,104	45,463	6,659	W	461	W	1,598	15,310	13	8.3
3313	Electrometallurgical Products	23	4,797	0	21	2	5	Q	0	Q	41.1
3321	Gray and Ductile Iron Foundries	92	8,820	Q	113	32	141	5	1,118	1	12.1
3331	Primary Copper	32	1,581	W	W	21	W	W	0	W	1.1
3334	Primary Aluminum	212	56,657	W	125	16	W	0	0	W	1.6
3339	Primary Nonferrous Metals, nec.	38	4,205	W	W	12	17	361	126	1	15.0
3353	Aluminum Sheet, Plate, and Foil	72	4,835	0	W	51	54	W	0	W	6.7

See footnotes at end of table.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	Industry Group and Industry	Total (trillion Btu)	Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
	RSE Column Factors:	0.6	0.5	1.3	1.2	0.6	1.1	1.4	1.8	1.3	
34	Fabricated Metal Products	365	33,900	478	747	213	1,334	W	W	Q	13.0
35	Industrial Machinery and Equipment	244	32,044	W	672	107	885	484	W	4	9.1
357	Computer and Office Equipment	20	4,179	W	23	5	W	0	0	*	27.4
36	Electronic and Other Electric Equipment	230	33,152	415	288	84	622	W	W	Q	12.8
37	Transportation Equipment	356	38,998	1,781	1,103	150	W	1,245	W	19	10.2
3711	Motor Vehicles and Car Bodies	103	8,863	300	81	51	88	571	0	5	21.2
3714	Motor Vehicle Parts and Accessories	117	13,552	W	146	53	W	444	W	3	17.3
38	Instruments and Related Products	105	13,494	589	237	28	W	1,065	0	W	16.0
3841	Surgical and Medical Instruments	7	1,347	16	13	2	30	0	0	*	23.3
39	Misc. Manufacturing Industries	50	5,575	142	209	19	W	37	0	W	21.2
	Total	12,066	803,603	63,291	25,298	5,929	18,443	54,143	17,294	978	2.8

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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. See Appendix B.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 3
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
Total United States											
RSE Column Factors:		0.5	0.4	1.3	1.3	0.5	1.2	1.5	2.4	1.3	
20	Food and Kindred Products	1,081	204	30	19	627	6	165	2	28	5.4
21	Tobacco Products	21	4	1	W	W	W	W	0	W	23.7
22	Textile Mill Products	311	112	17	W	117	W	40	0	14	12.6
23	Apparel and Other Textile Products	56	26	W	1	25	W	W	0	1	22.9
24	Lumber and Wood Products	210	71	W	22	48	W	W	0	61	9.1
25	Furniture and Fixtures	54	23	*	1	23	1	3	0	3	12.1
26	Paper and Allied Products	1,621	247	173	9	574	5	307	0	306	3.4
27	Printing and Publishing	111	59	W	W	47	W	0	0	2	10.7
28	Chemicals and Allied Products	2,997	547	60	W	1,894	4	257	W	219	6.1
29	Petroleum and Coal Products	1,156	128	29	17	781	W	W	W	176	7.2
30	Rubber and Misc. Plastics Products	285	149	10	3	110	3	5	0	4	7.8
31	Leather and Leather Products	10	3	2	W	W	W	0	0	*	22.1
32	Stone, Clay and Glass Products	943	123	7	23	431	4	274	8	73	7.2
33	Primary Metal Industries	1,859	510	43	12	801	5	52	411	24	6.7
34	Fabricated Metal Products	365	116	3	4	220	5	W	W	Q	13.0
35	Industrial Machinery and Equipment	244	109	W	4	110	3	11	W	4	9.4
36	Electronic and Other Electric Equipment	230	113	3	2	87	2	W	W	Q	12.8
37	Transportation Equipment	356	133	11	6	154	W	28	W	19	10.1
38	Instruments and Related Products	105	46	4	1	29	W	23	0	W	16.6
39	Misc. Manufacturing Industries	50	19	1	1	19	W	1	0	W	22.2
Total		12,066	2,742	398	147	6,107	69	1,198	427	978	2.8
Northeast Census Region											
RSE Column Factors:		0.5	0.4	0.9	1.0	0.6	1.3	1.8	2.4	1.4	
20	Food and Kindred Products	91	21	9	W	49	W	W	0	3	13.6
21	Tobacco Products	W	*	W	W	W	W	0	0	W	37.7
22	Textile Mill Products	32	6	7	W	14	1	W	0	3	16.4
23	Apparel and Other Textile Products	W	7	W	W	5	W	0	0	W	45.9
24	Lumber and Wood Products	12	4	W	1	3	W	0	0	3	26.3
25	Furniture and Fixtures	4	1	*	*	2	*	0	0	*	26.1
26	Paper and Allied Products	244	36	74	2	48	2	45	0	37	7.5
27	Printing and Publishing	21	11	W	1	9	W	0	0	W	18.8
28	Chemicals and Allied Products	142	39	21	4	59	W	W	0	13	10.4
29	Petroleum and Coal Products	89	12	6	7	40	W	W	0	18	12.7
30	Rubber and Misc. Plastics Products	42	22	W	1	14	W	1	0	W	15.0
31	Leather and Leather Products	W	1	1	W	W	*	0	0	W	29.3
32	Stone, Clay and Glass Products	128	18	W	5	67	1	33	W	W	13.3
33	Primary Metal Industries	192	62	W	W	W	2	W	W	3	14.8
34	Fabricated Metal Products	56	17	2	2	32	1	W	W	1	16.5
35	Industrial Machinery and Equipment	36	15	1	1	16	1	0	0	2	15.0
36	Electronic and Other Electric Equipment	69	25	W	1	22	1	W	W	W	23.6
37	Transportation Equipment	41	12	6	2	13	W	W	0	2	16.5
38	Instruments and Related Products	51	13	3	1	10	W	23	0	W	20.4
39	Misc. Manufacturing Industries	21	6	1	1	6	W	W	0	Q	26.9
Total		1,290	329	145	41	514	15	130	3	115	5.9

See footnotes at end of table.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
Midwest Census Region											
RSE Column Factors:		0.5	0.5	1.7	1.3	0.5	1.3	1.3	1.4	1.4	
20	Food and Kindred Products	487	80	7	W	264	W	121	1	10	8.5
21	Tobacco Products	W	W	0	W	W	0	0	0	W	50.1
22	Textile Mill Products	6	W	0	W	4	W	0	0	W	28.2
23	Apparel and Other Textile Products	7	3	0	W	4	W	0	0	W	31.3
24	Lumber and Wood Products	31	11	W	2	13	1	W	0	3	16.9
25	Furniture and Fixtures	21	8	*	*	12	*	1	0	*	20.2
26	Paper and Allied Products	301	54	5	1	117	W	W	0	36	6.5
27	Printing and Publishing	41	20	*	W	20	W	0	0	W	13.9
28	Chemicals and Allied Products	426	138	W	W	201	1	57	0	26	10.9
29	Petroleum and Coal Products	147	26	10	W	W	W	W	0	19	9.4
30	Rubber and Misc. Plastics Products	111	56	W	W	49	1	W	0	1	13.6
31	Leather and Leather Products	W	W	W	W	W	W	0	0	W	30.8
32	Stone, Clay and Glass Products	261	33	W	6	117	W	67	W	34	14.8
33	Primary Metal Industries	979	175	30	W	422	W	33	297	16	9.8
34	Fabricated Metal Products	198	59	W	1	129	W	5	W	1	18.3
35	Industrial Machinery and Equipment	129	51	1	2	62	1	11	0	2	13.8
36	Electronic and Other Electric Equipment	63	29	W	W	30	W	W	0	W	17.0
37	Transportation Equipment	179	60	W	2	84	1	21	W	8	16.3
38	Instruments and Related Products	17	8	W	*	9	W	0	0	*	21.2
39	Misc. Manufacturing Industries	10	3	0	W	W	W	W	0	W	36.0
Total		3,419	817	61	23	1,634	16	407	302	159	5.4
South Census Region											
RSE Column Factors:		0.5	0.4	1.5	1.3	0.5	1.2	1.4	2.3	1.2	
20	Food and Kindred Products	272	67	9	W	162	2	W	W	9	8.8
21	Tobacco Products	21	W	W	W	3	W	W	0	W	23.8
22	Textile Mill Products	268	103	10	6	95	W	W	0	12	15.3
23	Apparel and Other Textile Products	31	15	W	W	13	W	W	0	W	22.2
24	Lumber and Wood Products	87	32	W	10	18	1	W	0	25	12.4
25	Furniture and Fixtures	24	11	*	*	8	*	1	0	2	15.2
26	Paper and Allied Products	836	103	82	5	294	2	165	0	186	5.1
27	Printing and Publishing	36	21	W	W	13	*	0	0	1	18.7
28	Chemicals and Allied Products	2,262	322	37	7	1,547	2	170	0	176	7.7
29	Petroleum and Coal Products	696	64	7	5	523	W	W	W	93	9.9
30	Rubber and Misc. Plastics Products	112	59	5	2	41	1	2	0	2	9.3
31	Leather and Leather Products	1	W	W	W	*	W	0	0	W	41.1
32	Stone, Clay and Glass Products	381	50	W	7	183	W	109	W	26	11.1
33	Primary Metal Industries	503	175	W	4	200	W	W	105	W	11.0
34	Fabricated Metal Products	73	28	W	1	41	1	W	0	W	15.8
35	Industrial Machinery and Equipment	58	30	W	1	25	W	0	W	W	14.8
36	Electronic and Other Electric Equipment	70	38	*	1	27	1	1	0	2	16.9
37	Transportation Equipment	86	38	W	2	36	W	W	0	4	16.1
38	Instruments and Related Products	20	14	W	W	5	W	0	0	Q	26.7
39	Misc. Manufacturing Industries	14	7	*	W	5	W	0	0	Q	31.0
Total		5,847	1,183	165	55	3,240	23	530	109	542	4.0

See footnotes at end of table.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 3 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
West Census Region											
RSE Column Factors:		0.5	0.4	1.5	1.3	0.6	1.2	1.3	1.7	1.4	
20	Food and Kindred Products	232	36	4	7	152	W	25	W	5	8.3
21	Tobacco Products	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	5	W	0	0	3	W	0	0	W	29.2
23	Apparel and Other Textile Products	W	2	0	0	2	W	0	0	*	36.3
24	Lumber and Wood Products	80	24	W	9	14	W	0	0	30	14.4
25	Furniture and Fixtures	4	2	0	*	2	*	0	0	*	30.0
26	Paper and Allied Products	240	53	11	1	116	W	W	0	47	8.0
27	Printing and Publishing	13	7	0	W	6	W	0	0	W	20.8
28	Chemicals and Allied Products	167	47	W	W	87	W	W	W	4	15.6
29	Petroleum and Coal Products	225	26	6	W	W	W	W	0	45	10.0
30	Rubber and Misc. Plastics Products	20	13	W	W	6	W	W	0	W	21.1
31	Leather and Leather Products	W	W	0	0	W	*	0	0	W	70.6
32	Stone, Clay and Glass Products	173	22	W	5	65	W	64	W	W	13.7
33	Primary Metal Industries	184	98	1	W	W	W	W	W	W	8.3
34	Fabricated Metal Products	39	11	0	*	17	W	0	W	W	21.7
35	Industrial Machinery and Equipment	21	13	0	*	8	W	0	0	W	20.6
36	Electronic and Other Electric Equipment	29	21	0	W	8	W	0	0	W	18.5
37	Transportation Equipment	51	22	W	1	22	W	0	0	6	19.8
38	Instruments and Related Products	17	11	0	W	6	W	0	0	*	18.6
39	Misc. Manufacturing Industries	5	3	0	W	W	W	0	0	W	40.5
Total		1,509	414	27	29	718	15	131	13	163	5.2

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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. See Appendix B.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 4
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
RSE Column Factors:		0.6	0.5	1.3	1.2	0.6	1.1	1.4	1.8	1.3	
20	Food and Kindred Products	1,081	204	30	19	627	6	165	2	28	5.4
2011	Meat Packing Plants	52	13	1	1	36	W	W	0	1	16.4
2033	Canned Fruits and Vegetables	51	5	2	1	43	W	W	0	*	14.9
2037	Frozen Fruits and Vegetables	42	10	1	*	28	*	0	0	2	17.2
2046	Wet Corn Milling	173	20	1	*	68	*	78	*	5	19.2
2051	Bread, Cake, and Related Products	37	8	*	1	27	*	0	0	*	21.2
2061	Cane Sugar, Except Refining	8	1	W	1	2	W	W	0	1	14.4
2062	Cane Sugar Refining	21	*	2	1	16	*	0	0	2	29.3
2063	Beet Sugar	64	1	2	W	19	W	39	2	W	3.0
2075	Soybean Oil Mills	55	6	1	W	30	W	15	0	3	1.3
2082	Malt Beverages	51	8	W	*	22	W	17	0	W	7.5
21	Tobacco Products	21	4	1	W	W	W	W	0	W	22.7
22	Textile Mill Products	311	112	17	W	117	W	40	0	14	12.2
23	Apparel and Other Textile Products	56	26	W	1	25	W	W	0	1	21.7
24	Lumber and Wood Products	210	71	W	22	48	W	W	0	61	8.8
2421	Sawmills and Planing Mills, General	73	24	W	7	11	W	0	0	30	13.4
2436	Softwood Veneer and Plywood	28	9	*	1	3	1	0	0	14	19.4
2493	Reconstituted Wood Products	46	16	W	W	18	W	W	0	8	12.2
25	Furniture and Fixtures	54	23	*	1	23	1	3	0	3	11.7
2511	Wood Furniture, Except Upholstered	14	7	*	*	2	*	1	0	3	15.7
26	Paper and Allied Products	1,621	247	173	9	574	5	307	0	306	3.3
2611	Pulp Mills	81	9	23	W	22	W	7	0	20	12.9
2621	Paper Mills	840	129	94	4	271	2	195	0	144	5.2
2631	Paperboard Mills	540	56	50	W	199	W	101	0	132	2.8
27	Printing and Publishing	111	59	W	W	47	W	0	0	2	10.2
28	Chemicals and Allied Products	2,997	547	60	W	1,894	4	257	W	219	6.1
2812	Alkalies and Chlorine	122	47	W	*	53	*	W	0	W	8.4
2813	Industrial Gases	99	80	0	W	19	W	0	0	*	24.1
2816	Inorganic Pigments	40	8	W	W	W	W	W	0	W	10.1
2819	Industrial Inorganic Chemicals, nec.	340	146	4	W	141	W	32	W	12	11.8
2821	Plastics Materials and Resins	290	58	3	W	W	W	19	0	20	9.5
2822	Synthetic Rubber	67	8	W	*	42	W	W	0	12	22.5
2823	Cellulosic Manmade Fibers	29	1	0	*	W	W	W	0	W	1.1
2824	Organic Fibers, Noncellulosic	115	25	9	1	W	W	35	0	W	7.7
2861	Gum and Wood Chemicals	9	1	*	W	4	W	0	0	4	8.7
2865	Cyclic Crudes and Intermediates	141	16	W	1	98	1	W	0	12	20.6
2869	Industrial Organic Chemicals, nec.	1,142	77	5	2	837	1	92	0	129	10.0
2873	Nitrogenous Fertilizers	283	13	0	*	267	*	0	0	2	14.1
2874	Phosphatic Fertilizers	22	7	W	1	W	*	W	0	W	6.0
2895	Carbon Black	W	2	W	W	17	W	0	0	*	13.6
29	Petroleum and Coal Products	1,156	128	29	17	781	W	W	W	176	7.2
2911	Petroleum Refining	1,052	119	26	3	730	W	W	0	159	5.4
30	Rubber and Misc. Plastics Products	285	149	10	3	110	3	5	0	4	7.5
3011	Tires and Inner Tubes	48	16	5	1	23	*	2	0	2	9.7
308	Miscellaneous Plastics Products, nec.	190	116	3	2	63	2	2	0	2	11.4
31	Leather and Leather Products	10	3	2	W	W	W	0	0	*	21.0
32	Stone, Clay and Glass Products	943	123	7	23	431	4	274	8	73	7.2
3211	Flat Glass	52	5	2	*	45	*	0	0	*	20.3
3221	Glass Containers	83	15	2	*	66	*	0	0	*	7.9
3229	Pressed and Blown Glass, nec.	63	11	W	*	50	W	0	0	*	10.7
3241	Cement, Hydraulic	327	37	1	5	25	*	202	4	53	11.9
3274	Lime	96	4	1	1	13	*	66	2	9	19.5
3296	Mineral Wool	51	12	W	*	37	W	0	2	*	14.6
33	Primary Metal Industries	1,859	510	43	12	801	5	52	411	24	6.7
331	Blast Furnace and Basic Steel Products ..	1,187	188	42	W	517	W	39	378	15	10.0
3312	Blast Furnaces and Steel Mills	1,104	155	42	W	475	W	35	378	13	8.3
3313	Electrometallurgical Products	23	16	0	*	3	*	Q	0	Q	41.1
3321	Gray and Ductile Iron Foundries	92	30	*	1	33	1	*	28	1	12.1
3331	Primary Copper	32	5	W	W	22	W	W	0	W	1.1
3334	Primary Aluminum	212	193	W	1	17	W	0	0	W	1.6
3339	Primary Nonferrous Metals, nec.	38	14	W	W	12	*	8	3	1	15.0
3353	Aluminum Sheet, Plate, and Foil	72	16	0	W	53	*	W	0	W	6.7

See footnotes at end of table.

Table A5. Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 4 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil ^c	Natural Gas ^d	LPG	Coal	Coke and Breeze	Other ^e	RSE Row Factors
RSE Column Factors:		0.6	0.5	1.3	1.2	0.6	1.1	1.4	1.8	1.3	
34	Fabricated Metal Products	365	116	3	4	220	5	W	W	Q	13.0
35	Industrial Machinery and Equipment	244	109	W	4	110	3	11	W	4	9.1
357	Computer and Office Equipment	20	14	W	*	5	W	0	0	*	27.4
36	Electronic and Other Electric Equipment	230	113	3	2	87	2	W	W	Q	12.8
37	Transportation Equipment	356	133	11	6	154	W	28	W	19	10.1
3711	Motor Vehicles and Car Bodies	103	30	2	*	52	*	13	0	5	21.2
3714	Motor Vehicle Parts and Accessories	117	46	W	1	54	W	10	W	3	17.3
38	Instruments and Related Products	105	46	4	1	29	W	23	0	W	16.0
3841	Surgical and Medical Instruments	7	5	*	*	2	*	0	0	*	23.3
39	Misc. Manufacturing Industries	50	19	1	1	19	W	1	0	W	21.3
Total		12,066	2,742	398	147	6,107	69	1,198	427	978	2.8

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 producers, brokers, and marketers.

^e "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. See Appendix B.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A5. Number of Establishments by Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation, by Industry Group and Selected Industries, 1994: Part 5

SIC Code ^a	Industry Group and Industry	Any Energy Source ^b	Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	RSE Row Factors
RSE Column Factors:		0.2	0.2	2.4	1.4	0.7	1.4	2.3	2.4	1.5	
20	Food and Kindred Products	14,698	14,637	575	3,247	11,042	3,871	173	31	1,891	4.5
2011	Meat Packing Plants	759	759	21	144	528	121	W	0	90	9.9
2033	Canned Fruits and Vegetables	531	531	53	97	507	286	W	0	94	7.5
2037	Frozen Fruits and Vegetables	232	231	Q	Q	195	Q	0	0	Q	8.7
2046	Wet Corn Milling	58	58	4	20	48	16	20	W	17	5.9
2051	Bread, Cake, and Related Products	1,303	1,303	13	250	1,011	179	0	0	136	12.7
2061	Cane Sugar, Except Refining	43	43	12	26	25	6	W	0	21	5.2
2062	Cane Sugar Refining	20	20	8	15	11	11	0	0	8	7.2
2063	Beet Sugar	41	41	13	30	36	28	28	W	23	1.2
2075	Soybean Oil Mills	95	92	13	38	88	13	18	0	25	1.1
2082	Malt Beverages	140	140	47	35	133	80	33	0	51	4.7
21	Tobacco Products	121	118	42	42	94	48	31	0	48	4.6
22	Textile Mill Products	4,427	4,427	441	668	2,517	1,282	85	0	444	9.4
23	Apparel and Other Textile Products	18,019	17,754	20	876	8,885	1,330	5	0	531	10.6
24	Lumber and Wood Products	21,431	18,849	83	9,251	7,557	5,075	8	0	4,487	7.7
2421	Sawmills and Planing Mills, General	3,406	3,191	Q	2,044	657	447	0	0	987	10.5
2436	Softwood Veneer and Plywood	182	182	W	158	67	160	0	0	140	4.3
2493	Reconstituted Wood Products	246	246	Q	100	132	129	W	0	71	19.6
25	Furniture and Fixtures	7,686	7,535	43	566	5,109	2,669	85	0	441	9.3
2511	Wood Furniture, Except Upholstered	1,543	1,543	25	233	776	460	62	0	138	11.7
26	Paper and Allied Products	5,582	5,547	382	873	4,290	2,321	173	0	763	4.9
2611	Pulp Mills	55	55	26	38	40	36	7	0	34	3.1
2621	Paper Mills	310	310	153	165	232	198	80	0	180	1.8
2631	Paperboard Mills	219	219	101	102	189	117	57	0	103	1.2
27	Printing and Publishing	37,384	37,335	82	1,853	22,680	3,601	0	0	734	9.0
28	Chemicals and Allied Products	9,565	9,553	340	2,541	6,716	2,623	125	3	1,880	5.2
2812	Alkalies and Chlorine	44	44	3	19	33	13	3	0	18	3.2
2813	Industrial Gases	623	617	0	10	152	12	0	0	30	9.9
2816	Inorganic Pigments	81	81	5	32	66	47	5	0	23	2.8
2819	Industrial Inorganic Chemicals, nec.	568	566	27	285	491	169	13	3	240	7.1
2821	Plastics Materials and Resins	456	456	49	160	395	222	15	0	190	5.4
2822	Synthetic Rubber	63	63	6	20	53	23	4	0	24	6.1
2823	Cellulosic Manmade Fibers	11	11	0	6	6	3	4	0	7	1.3
2824	Organic Fibers, Noncellulosic	73	73	23	33	62	38	13	0	22	2.2
2861	Gum and Wood Chemicals	60	60	W	38	22	21	0	0	35	3.0
2865	Cyclic Crudes and Intermediates	187	187	39	73	178	78	5	0	99	5.6
2869	Industrial Organic Chemicals, nec.	631	630	40	250	530	167	24	0	191	7.2
2873	Nitrogenous Fertilizers	118	117	0	51	79	28	0	0	47	4.2
2874	Phosphatic Fertilizers	69	68	5	46	51	13	4	0	30	2.0
2895	Carbon Black	23	23	4	12	22	W	0	0	10	5.2
29	Petroleum and Coal Products	1,970	1,959	115	783	1,133	675	15	W	415	8.5
2911	Petroleum Refining	246	244	72	82	216	99	5	0	184	1.9
30	Rubber and Misc. Plastics Products	11,952	11,942	208	1,036	8,923	4,193	23	0	1,283	6.4
3011	Tires and Inner Tubes	112	112	32	69	112	88	8	0	64	4.8
308	Miscellaneous Plastics Products, nec.	9,967	9,957	114	606	7,354	3,682	6	0	1,026	6.9
31	Leather and Leather Products	1,356	1,356	54	108	975	158	0	0	83	11.9
32	Stone, Clay and Glass Products	11,866	11,815	76	3,829	6,990	2,320	233	43	2,047	6.0
3211	Flat Glass	68	68	W	43	62	47	0	0	31	4.0
3221	Glass Containers	78	78	11	30	78	45	0	0	35	2.9
3229	Pressed and Blown Glass, nec.	163	163	W	37	163	36	0	0	99	10.1
3241	Cement, Hydraulic	190	190	11	154	127	67	150	13	144	6.3
3274	Lime	84	83	3	68	53	22	46	5	53	5.6
3296	Mineral Wool	174	174	W	99	169	112	0	25	97	3.3
33	Primary Metal Industries	5,171	5,117	88	1,287	4,652	2,259	78	220	1,535	5.4
331	Blast Furnace and Basic Steel Products ..	981	981	43	315	931	495	31	28	298	5.3
3312	Blast Furnaces and Steel Mills	284	284	26	152	261	103	23	28	134	2.3
3313	Electrometallurgical Products	36	36	0	18	32	18	Q	0	14	10.8
3321	Gray and Ductile Iron Foundries	517	517	Q	289	488	286	Q	169	297	7.5
3331	Primary Copper	20	20	W	8	18	4	W	0	7	1.1
3334	Primary Aluminum	44	44	W	36	42	28	0	0	31	3.6
3339	Primary Nonferrous Metals, nec.	88	88	W	25	72	32	W	6	33	9.0
3353	Aluminum Sheet, Plate, and Foil	55	55	0	38	53	35	W	0	33	2.5

See footnotes at end of table.

Table A5. Number of Establishments by Total Consumption of Offsite-Produced Energy for Heat, Power, and Electricity Generation, by Industry Group and Selected Industries, 1994: Part 5 (Continued)

SIC Code ^a	Industry Group and Industry	Any Energy Source ^b	Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal	Coke and Breeze	Other ^f	RSE Row Factors
RSE Column Factors:		0.2	0.2	2.4	1.4	0.7	1.4	2.3	2.4	1.5	
34	Fabricated Metal Products	26,262	26,251	72	2,924	20,023	8,278	64	12	5,752	7.6
35	Industrial Machinery and Equipment	33,837	33,655	97	2,773	24,422	9,191	Q	W	6,406	6.0
357	Computer and Office Equipment	1,410	1,381	W	54	1,037	Q	0	0	12	15.1
36	Electronic and Other Electric Equipment	11,254	11,254	65	721	7,362	1,849	12	W	1,302	8.4
37	Transportation Equipment	7,240	7,240	46	811	4,300	2,643	31	4	1,789	8.5
3711	Motor Vehicles and Car Bodies	322	322	W	Q	261	Q	Q	0	Q	12.2
3714	Motor Vehicle Parts and Accessories	2,062	2,062	5	141	1,454	803	21	3	531	10.7
38	Instruments and Related Products	7,059	7,059	Q	865	4,591	825	Q	0	204	9.8
3841	Surgical and Medical Instruments	878	878	3	24	577	198	0	0	45	14.5
39	Misc. Manufacturing Industries	9,994	9,994	161	856	6,488	1,079	3	0	1,003	10.6
	Total	246,874	243,397	3,077	35,911	158,747	56,291	1,397	319	33,039	3.2

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Any Energy Source" represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 1994. See Appendix B for number of establishments by SIC in the sample frame of 247,199 establishments.

^c "Electricity" consists of quantities of electricity that were purchased or transferred, and is equivalent to "purchased electricity" as defined in the *Annual Survey of Manufactures*.

^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 producers, brokers, and marketers.

^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 for the production of heat and power, 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.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1994.

Table A6. Total Inputs of Selected Byproduct Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Blast Furnace/ Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor	Wood Chips, Bark	Waste Oils/Tars And Waste Materials	RSE Row Factors
Total United States									
RSE Column Factors:		0.7	1.0	1.5	1.4	0.6	0.9	1.4	
20	Food and Kindred Products	16	0	2	0	0	8	6	14.8
21	Tobacco Products	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	Q	0	0	0	0	W	W	33.2
23	Apparel and Other Textile Products	*	0	0	0	0	0	*	0.0
24	Lumber and Wood Products	277	0	1	0	0	267	9	12.6
25	Furniture and Fixtures	13	0	*	0	0	12	1	17.2
26	Paper and Allied Products	1,300	0	*	12	882	389	16	6.4
27	Printing and Publishing	*	0	0	0	0	W	W	20.7
28	Chemicals and Allied Products	298	*	267	4	0	8	19	7.5
29	Petroleum and Coal Products	2,077	0	1,341	736	0	0	1	5.3
30	Rubber and Misc. Plastics Products	*	0	*	0	0	0	*	15.5
31	Leather and Leather Products	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	57	0	1	48	0	6	3	22.6
33	Primary Metal Industries	463	452	W	3	0	*	W	13.5
34	Fabricated Metal Products	*	0	W	0	0	W	W	30.8
35	Industrial Machinery and Equipment	1	0	0	0	0	*	*	22.9
36	Electronic and Other Electric Equipment	*	0	W	0	0	0	W	42.6
37	Transportation Equipment	4	0	*	0	0	0	3	37.5
38	Instruments and Related Products	1	0	*	0	0	*	*	37.2
39	Misc. Manufacturing Industries	*	0	0	0	0	W	W	33.9
Total		4,509	452	1,612	802	882	693	67	3.8
Northeast Census Region									
RSE Column Factors:		0.8	1.5	0.8	1.3	0.9	0.7	1.4	
20	Food and Kindred Products	*	0	W	0	0	*	W	18.3
21	Tobacco Products	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	0	0	0	W	0	51.4
23	Apparel and Other Textile Products	0	0	0	0	0	0	0	0.0
24	Lumber and Wood Products	12	0	0	0	0	10	Q	37.8
25	Furniture and Fixtures	1	0	0	0	0	1	*	33.8
26	Paper and Allied Products	88	0	0	W	54	W	W	12.8
27	Printing and Publishing	*	0	0	0	0	0	*	0.0
28	Chemicals and Allied Products	5	0	W	0	0	0	W	19.0
29	Petroleum and Coal Products	129	0	80	48	0	0	*	8.3
30	Rubber and Misc. Plastics Products	*	0	W	0	0	0	W	48.4
31	Leather and Leather Products	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	2	0	0	1	0	0	*	26.6
33	Primary Metal Industries	87	W	W	W	0	W	W	16.1
34	Fabricated Metal Products	W	0	W	0	0	W	W	44.7
35	Industrial Machinery and Equipment	*	0	0	0	0	0	*	27.3
36	Electronic and Other Electric Equipment	*	0	W	0	0	0	W	32.3
37	Transportation Equipment	0	0	0	0	0	0	0	0.0
38	Instruments and Related Products	*	0	*	0	0	0	0	54.5
39	Misc. Manufacturing Industries	W	0	0	0	0	W	W	43.0
Total		324	W	81	55	54	40	W	10.5

See footnotes at end of table.

Table A6. Total Inputs of Selected Byproduct Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Blast Furnace/ Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor	Wood Chips, Bark	Waste Oils/Tars And Waste Materials	RSE Row Factors
Midwest Census Region									
RSE Column Factors:		0.8	1.0	1.0	1.0	1.1	0.9	1.2	
20	Food and Kindred Products	2	0	W	0	0	0	W	25.7
21	Tobacco Products	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	0	0	0	0	0	0	0	0.0
23	Apparel and Other Textile Products	0	0	0	0	0	0	0	0.0
24	Lumber and Wood Products	22	0	0	0	0	21	1	27.7
25	Furniture and Fixtures	2	0	*	0	0	2	*	32.9
26	Paper and Allied Products	85	0	W	*	45	W	W	15.1
27	Printing and Publishing	W	0	0	0	0	W	W	33.0
28	Chemicals and Allied Products	6	0	1	0	0	2	3	13.4
29	Petroleum and Coal Products	363	0	225	139	0	0	*	10.4
30	Rubber and Misc. Plastics Products	*	0	W	0	0	0	W	20.1
31	Leather and Leather Products	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	26	0	0	26	0	*	*	23.7
33	Primary Metal Industries	254	251	0	*	0	0	2	11.6
34	Fabricated Metal Products	W	0	0	0	0	0	W	34.0
35	Industrial Machinery and Equipment	*	0	0	0	0	*	*	24.4
36	Electronic and Other Electric Equipment	*	0	0	0	0	0	*	36.0
37	Transportation Equipment	1	0	*	0	0	0	1	29.4
38	Instruments and Related Products	*	0	0	0	0	*	*	42.7
39	Misc. Manufacturing Industries	*	0	0	0	0	*	0	0.0
Total		762	251	227	165	45	63	10	8.1
South Census Region									
RSE Column Factors:		0.7	1.3	1.1	1.4	0.7	0.9	1.3	
20	Food and Kindred Products	11	0	1	0	0	6	5	20.8
21	Tobacco Products	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	W	0	0	0	0	W	W	35.1
23	Apparel and Other Textile Products	*	0	0	0	0	0	*	0.0
24	Lumber and Wood Products	152	0	1	0	0	148	3	17.2
25	Furniture and Fixtures	9	0	0	0	0	9	*	18.8
26	Paper and Allied Products	976	0	0	W	677	282	W	6.8
27	Printing and Publishing	W	0	0	0	0	0	W	0.0
28	Chemicals and Allied Products	281	W	261	W	0	5	W	8.2
29	Petroleum and Coal Products	1,125	0	721	404	0	0	*	5.2
30	Rubber and Misc. Plastics Products	*	0	*	0	0	0	*	10.6
31	Leather and Leather Products	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	21	0	1	12	0	6	Q	25.4
33	Primary Metal Industries	104	W	0	W	0	W	3	18.2
34	Fabricated Metal Products	W	0	0	0	0	W	W	41.7
35	Industrial Machinery and Equipment	*	0	0	0	0	*	*	53.8
36	Electronic and Other Electric Equipment	0	0	0	0	0	0	0	0.0
37	Transportation Equipment	3	0	0	0	0	0	3	46.6
38	Instruments and Related Products	*	0	0	0	0	*	*	45.8
39	Misc. Manufacturing Industries	*	0	0	0	0	*	0	0.0
Total		2,686	101	984	425	677	459	40	5.4

See footnotes at end of table.

Table A6. Total Inputs of Selected Byproduct Energy for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group	Total	Blast Furnace/ Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor	Wood Chips, Bark	Waste Oils/Tars And Waste Materials	RSE Row Factors
West Census Region									
RSE Column Factors:		0.7	2.0	1.1	1.1	0.6	0.8	1.2	
20	Food and Kindred Products	3	0	W	0	0	3	W	26.5
21	Tobacco Products	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	0	0	0	0	0	0	0	0.0
23	Apparel and Other Textile Products	0	0	0	0	0	0	0	0.0
24	Lumber and Wood Products	91	0	0	0	0	89	2	17.2
25	Furniture and Fixtures	*	0	0	0	0	*	0	0.0
26	Paper and Allied Products	150	0	W	W	107	40	W	13.7
27	Printing and Publishing	W	0	0	0	0	0	W	50.0
28	Chemicals and Allied Products	7	W	W	W	0	0	W	21.0
29	Petroleum and Coal Products	460	0	315	145	0	0	*	6.4
30	Rubber and Misc. Plastics Products	*	0	0	0	0	0	*	0.0
31	Leather and Leather Products	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	9	0	0	8	0	0	1	25.6
33	Primary Metal Industries	18	W	0	W	0	*	W	23.7
34	Fabricated Metal Products	0	0	0	0	0	0	0	0.0
35	Industrial Machinery and Equipment	*	0	0	0	0	0	*	0.0
36	Electronic and Other Electric Equipment	*	0	W	0	0	0	W	47.6
37	Transportation Equipment	0	0	0	0	0	0	0	0.0
38	Instruments and Related Products	*	0	*	0	0	0	0	0.0
39	Misc. Manufacturing Industries	W	0	0	0	0	0	W	49.0
Total		738	W	320	157	107	131	W	8.9

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

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 for the production of heat and power, 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 "Total Inputs" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A6. Total Inputs of Selected Byproduct Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Blast Furnace/ Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor	Wood Chips, Bark	Waste Oils/Tars And Waste Materials	RSE Row Factors
RSE Column Factors:		0.9	0.8	1.3	1.5	0.6	0.9	1.4	
20	Food and Kindred Products	16	0	2	0	0	8	6	14.3
2011	Meat Packing Plants	1	0	W	0	0	0	W	25.5
2033	Canned Fruits and Vegetables	*	0	0	0	0	0	*	0.0
2037	Frozen Fruits and Vegetables	*	0	0	0	0	0	*	30.3
2046	Wet Corn Milling	2	0	W	0	0	W	W	35.5
2051	Bread, Cake, and Related Products	*	0	0	0	0	0	*	42.2
2061	Cane Sugar, Except Refining	9	0	0	0	0	4	5	19.0
2062	Cane Sugar Refining	*	0	0	0	0	*	0	56.5
2063	Beet Sugar	W	0	W	0	0	0	0	6.6
2075	Soybean Oil Mills	W	0	W	0	0	W	W	0.9
2082	Malt Beverages	W	0	W	0	0	0	0	0.9
21	Tobacco Products	0	0	0	0	0	0	0	0.0
22	Textile Mill Products	Q	0	0	0	0	W	W	32.3
23	Apparel and Other Textile Products	*	0	0	0	0	0	*	0.0
24	Lumber and Wood Products	277	0	1	0	0	267	9	12.2
2421	Sawmills and Planing Mills, General	152	0	1	0	0	145	6	15.8
2436	Softwood Veneer and Plywood	58	0	0	0	0	58	*	19.7
2493	Reconstituted Wood Products	32	0	0	0	0	30	2	19.5
25	Furniture and Fixtures	13	0	*	0	0	12	1	16.7
2511	Wood Furniture, Except Upholstered	11	0	0	0	0	11	*	16.1
26	Paper and Allied Products	1,300	0	*	12	882	389	16	6.2
2611	Pulp Mills	193	0	0	W	151	41	W	15.1
2621	Paper Mills	581	0	*	9	380	183	9	9.0
2631	Paperboard Mills	520	0	0	1	350	163	7	4.7
27	Printing and Publishing	*	0	0	0	0	W	W	20.1
28	Chemicals and Allied Products	298	*	267	4	0	8	19	7.2
2812	Alkalies and Chlorine	0	0	0	0	0	0	0	0.0
2813	Industrial Gases	0	0	0	0	0	0	0	0.0
2816	Inorganic Pigments	W	0	0	W	0	0	0	17.9
2819	Industrial Inorganic Chemicals, nec.	8	0	W	W	0	*	*	15.9
2821	Plastics Materials and Resins	24	0	14	0	0	5	6	12.7
2822	Synthetic Rubber	W	0	W	0	0	0	0	41.4
2823	Cellulosic Manmade Fibers	0	0	0	0	0	0	0	0.0
2824	Organic Fibers, Noncellulosic	W	0	W	0	0	0	0	16.9
2861	Gum and Wood Chemicals	3	0	0	0	0	W	W	11.4
2865	Cyclic Crudes and Intermediates	5	*	2	0	0	0	2	19.4
2869	Industrial Organic Chemicals, nec.	249	0	239	0	0	*	10	8.7
2873	Nitrogenous Fertilizers	1	0	1	0	0	0	*	22.9
2874	Phosphatic Fertilizers	W	0	0	W	0	0	*	8.3
2895	Carbon Black	W	0	W	*	0	0	0	21.4
29	Petroleum and Coal Products	2,077	0	1,341	736	0	0	1	5.0
2911	Petroleum Refining	2,059	0	1,338	721	0	0	*	4.2
30	Rubber and Misc. Plastics Products	*	0	*	0	0	0	*	14.9
3011	Tires and Inner Tubes	*	0	0	0	0	0	*	5.5
308	Miscellaneous Plastics Products, nec.	*	0	W	0	0	0	W	33.5
31	Leather and Leather Products	0	0	0	0	0	0	0	0.0
32	Stone, Clay and Glass Products	57	0	1	48	0	6	3	21.8
3211	Flat Glass	*	0	0	0	0	0	*	38.6
3221	Glass Containers	0	0	0	0	0	0	0	0.0
3229	Pressed and Blown Glass, nec.	0	0	0	0	0	0	0	0.0
3241	Cement, Hydraulic	39	0	0	38	0	0	1	12.5
3274	Lime	9	0	0	9	0	0	*	27.2
3296	Mineral Wool	0	0	0	0	0	0	0	0.0
33	Primary Metal Industries	463	452	W	3	0	*	W	13.5
331	Blast Furnace and Basic Steel Products	460	452	0	W	0	0	W	10.7
3312	Blast Furnaces and Steel Mills	460	452	0	W	0	0	W	10.7
3313	Electrometallurgical Products	0	0	0	0	0	0	0	0.0
3321	Gray and Ductile Iron Foundries	*	0	0	0	0	0	*	0.0
3331	Primary Copper	W	0	0	W	0	0	*	0.8
3334	Primary Aluminum	*	0	0	0	0	*	0	1.2
3339	Primary Nonferrous Metals, nec.	1	0	0	*	0	*	0	26.7
3353	Aluminum Sheet, Plate, and Foil	W	0	0	0	0	0	W	10.1

See footnotes at end of table.

Table A6. Total Inputs of Selected Byproduct Energy for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Group and Industry	Total	Blast Furnace/ Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor	Wood Chips, Bark	Waste Oils/Tars And Waste Materials	RSE Row Factors
RSE Column Factors:		0.9	0.8	1.3	1.5	0.6	0.9	1.4	
34	Fabricated Metal Products	*	0	W	0	0	W	W	29.9
35	Industrial Machinery and Equipment	1	0	0	0	0	*	*	20.2
357	Computer and Office Equipment	0	0	0	0	0	0	0	0.0
36	Electronic and Other Electric Equipment	*	0	W	0	0	0	W	37.5
37	Transportation Equipment	4	0	*	0	0	0	3	33.0
3711	Motor Vehicles and Car Bodies	3	0	0	0	0	0	3	42.2
3714	Motor Vehicle Parts and Accessories	1	0	*	0	0	0	*	34.6
38	Instruments and Related Products	1	0	*	0	0	*	*	36.2
3841	Surgical and Medical Instruments	*	0	0	0	0	0	*	0.0
39	Misc. Manufacturing Industries	*	0	0	0	0	W	W	33.0
Total		4,509	452	1,612	802	882	693	67	3.8

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

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 for the production of heat and power, 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 "Total Inputs" estimates will be inflated.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A7. Enclosed Floorspace and Conditioned Floorspace by Industry Group and Selected Industries, 1994
(Estimates in Physical Units)

SIC Code ^a	Industry Group and Industry	Approximate Enclosed Floorspace of All Buildings Onsite (million sq ft)	Establishments ^b (counts)	Average Enclosed Floorspace per Establishment (1000 sq ft)	Conditioned ^c Floorspace of All Buildings Onsite		RSE Row Factors
					(million sq ft)	(percents)	
RSE Column Factors:		2.1	0.3	1.2	2.2	0.6	
20	Food and Kindred Products	1,082.6	14,698	80.8	666.9	61.6	1.9
2011	Meat Packing Plants	43.5	759	65.0	33.6	77.1	3.0
2033	Canned Fruits and Vegetables	70.0	531	134.3	42.4	60.6	3.8
2037	Frozen Fruits and Vegetables	42.2	232	184.4	28.2	66.7	4.0
2046	Wet Corn Milling	21.9	58	417.7	11.7	53.6	4.8
2051	Bread, Cake, and Related Products	58.5	1,303	51.4	28.3	48.4	4.8
2061	Cane Sugar, Except Refining	9.2	43	244.7	0.4	4.6	3.5
2062	Cane Sugar Refining	9.3	20	505.3	1.8	19.0	8.3
2063	Beet Sugar	11.7	41	311.9	3.3	28.5	2.2
2075	Soybean Oil Mills	11.5	95	152.7	3.3	28.6	1.1
2082	Malt Beverages	71.4	140	546.6	63.6	89.1	2.4
21	Tobacco Products	38.3	121	316.3	21.0	54.9	6.2
22	Textile Mill Products	480.3	4,428	124.0	329.6	68.6	3.1
23	Apparel and Other Textile Products	469.4	18,019	29.3	369.8	78.8	5.3
24	Lumber and Wood Products	545.9	21,623	31.7	229.3	42.0	3.1
2421	Sawmills and Planing Mills, General	131.9	3,545	50.9	33.3	25.2	4.8
2436	Softwood Veneer and Plywood	49.8	182	298.8	3.8	7.6	6.5
2493	Reconstituted Wood Products	36.8	246	158.9	13.7	37.3	6.5
25	Furniture and Fixtures	490.7	7,691	86.5	362.8	73.9	3.0
2511	Wood Furniture, Except Upholstered	131.4	1,548	116.5	90.9	69.2	4.3
26	Paper and Allied Products	707.0	5,582	134.3	442.7	62.6	1.9
2611	Pulp Mills	15.9	55	342.6	7.3	46.2	4.3
2621	Paper Mills	174.3	310	612.6	110.9	63.7	2.0
2631	Paperboard Mills	87.0	219	421.7	33.1	38.1	1.8
27	Printing and Publishing	613.8	37,384	18.3	482.0	78.5	3.2
28	Chemicals and Allied Products	807.5	9,565	91.2	548.3	67.9	2.2
2812	Alkalies and Chlorine	5.2	44	122.8	2.0	39.0	2.4
2813	Industrial Gases	4.5	623	12.6	2.8	60.8	4.2
2816	Inorganic Pigments	10.6	81	133.5	3.5	32.7	3.2
2819	Industrial Inorganic Chemicals, nec.	63.4	568	115.2	33.0	52.2	5.7
2821	Plastics Materials and Resins	66.4	456	148.7	48.6	73.2	2.6
2822	Synthetic Rubber	10.1	63	166.8	5.5	54.1	4.3
2823	Cellulosic Manmade Fibers	6.4	11	777.7	5.5	85.3	0.9
2824	Organic Fibers, Noncellulosic	78.2	73	1,088.6	61.9	79.1	2.6
2861	Gum and Wood Chemicals	29.4	60	85.0	0.4	12.6	2.4
2865	Cyclic Crudes and Intermediates		187	160.7	14.2	48.7	5.4
2869	Industrial Organic Chemicals, nec.	113.3	631	193.9	71.0	62.7	2.9
2873	Nitrogenous Fertilizers	10.5	118	91.0	3.6	34.6	3.7
2874	Phosphatic Fertilizers	11.3	69	163.6	2.1	18.4	1.9
2895	Carbon Black	2.0	23	85.3	0.7	34.6	3.0
29	Petroleum and Coal Products	245.2	1,971	136.4	165.8	67.6	3.4
2911	Petroleum Refining	182.7	247	855.0	142.0	77.7	2.9
30	Rubber and Misc. Plastics Products	719.8	11,952	64.0	505.7	70.3	2.0
3011	Tires and Inner Tubes	64.3	112	589.9	58.5	90.9	2.5
308	Miscellaneous Plastics Products, nec.	533.4	9,967	57.3	354.9	66.5	2.5
31	Leather and Leather Products	42.4	1,356	39.0	31.0	73.1	5.3
32	Stone, Clay and Glass Products	611.7	11,970	57.3	240.2	39.3	3.2
3211	Flat Glass	46.9	68	710.8	11.3	24.1	6.7
3221	Glass Containers	58.7	78	753.1	10.9	18.5	2.7
3229	Pressed and Blown Glass, nec.	25.4	163	155.8	14.9	58.6	3.1
3241	Cement, Hydraulic	39.0	190	221.7	6.0	15.3	5.0
3274	Lime	23.4	84	319.9	1.6	6.7	6.9
3296	Mineral Wool	26.9	174	154.6	8.9	33.3	4.0
33	Primary Metal Industries	788.4	5,171	164.7	378.2	48.0	2.4
331	Blast Furnace and Basic Steel Products	380.0	981	443.4	177.0	46.6	3.9
3312	Blast Furnaces and Steel Mills	281.1	284	1,083.8	114.3	40.7	2.9
3313	Electrometallurgical Products	6.7	36	195.2	1.6	23.5	11.0
3321	Gray and Ductile Iron Foundries	61.2	517	122.7	30.5	49.8	4.2
3331	Primary Copper	8.8	20	469.2	1.2	13.5	0.9
3334	Primary Aluminum	31.8	44	944.4	4.1	12.9	1.6
3339	Primary Nonferrous Metals, nec.	12.4	88	148.7	3.3	26.5	5.2
3353	Aluminum Sheet, Plate, and Foil	43.8	55	815.1	22.6	51.5	2.3
34	Fabricated Metal Products	1,196.3	26,262	48.2	781.3	65.3	3.1
35	Industrial Machinery and Equipment	1,143.3	33,837	36.5	924.3	80.8	2.3
357	Computer and Office Equipment	103.3	1,410	76.1	94.9	91.8	4.4
36	Electronic and Other Electric Equipment	671.4	11,264	63.5	555.8	82.8	2.5

See footnotes at end of table.

Table A7. Enclosed Floorspace and Conditioned Floorspace by Industry Group and Selected Industries, 1994 (Continued)
(Estimates in Physical Units)

		Approximate Enclosed Floorspace of All Buildings Onsite (million sq ft)	Establishments ^b (counts)	Average Enclosed Floorspace per Establishment (1000 sq ft)	Conditioned ^c Floorspace of All Buildings Onsite		RSE Row Factors
SIC Code ^a	Industry Group and Industry				(million sq ft)	(percents)	
RSE Column Factors:		2.1	0.3	1.2	2.2	0.6	
37	Transportation Equipment	1,060.4	7,240	154.5	891.2	84.0	2.9
3711	Motor Vehicles and Car Bodies	171.6	322	535.6	150.2	87.6	5.7
3714	Motor Vehicle Parts and Accessories	263.2	2,062	128.8	228.0	86.6	3.0
38	Instruments and Related Products	387.2	7,071	58.1	346.0	89.4	3.2
3841	Surgical and Medical Instruments	34.0	878	41.6	28.3	83.3	4.6
39	Misc. Manufacturing Industries	227.5	9,994	23.7	163.8	72.0	4.4
	Total	12,329.0	247,199	55.2	8,435.8	68.4	1.3

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b The "Establishments (counts)" column includes those units which reported floorspace, plus those units where floorspace was not ascertained. To obtain the number of reporting establishments for any SIC, divide the entry in the "Approximate Enclosed Floorspace" column by the corresponding entry in the "Average Enclosed Floorspace" column. For example, in the "Total" row, (12,329.0 million sq ft) divided by (55.2 thousand sq ft) equals 223,351, which is the number of reporting establishments (weighted) of the 247,199 total establishments.

^c "Conditioned" floorspace is that enclosed square footage that had controlled heating or cooling through the use of equipment designed to modify the internal building temperature.

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.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
20-39	ALL INDUSTRY GROUPS									
	RSE Column Factors:	NF	0.5	1.3	1.4	0.8	1.2	1.2	NF	
	TOTAL INPUTS	16,515	778,335	70,111	26,107	5,962	25,949	54,143	5,828	2.7
	Indirect Uses-Boiler Fuel	--	8,250	49,731	7,296	2,326	3,829	39,496	--	4.0
	Direct Uses-Total Process	--	608,190	16,825	8,795	2,788	14,051	13,697	--	3.8
	Process Heating	--	83,151	16,326	4,919	2,623	12,515	13,545	--	4.1
	Process Cooling and Refrigeration	--	40,583	19	44	20	413	3	--	17.5
	Machine Drive	--	400,545	406	3,161	93	869	149	--	7.7
	Electro-Chemical Processes	--	79,549	--	--	--	--	--	--	1.1
	Other Process Use	--	4,363	74	671	52	254	Q	--	16.1
	Direct Uses-Total Nonprocess	--	134,020	2,197	8,394	705	6,860	378	--	5.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	63,662	777	1,274	341	1,373	118	--	6.5
	Facility Lighting	--	54,332	--	--	--	--	--	--	1.1
	Facility Support	--	13,545	455	203	29	156	1	--	12.1
	Onsite Transportation	--	1,192	--	5,997	1	5,168	--	--	3.9
	Conventional Electricity Generation	--	--	797	604	325	119	259	--	8.3
	Other Nonprocess Use	--	1,290	167	316	9	44	0	--	17.0
	End Use Not Reported	6,106	27,874	1,359	1,622	143	1,209	571	5,828	8.8
20	FOOD and KINDRED PRODUCTS									
	RSE Column Factors:	NF	0.6	1.3	1.8	0.9	1.2	0.7	NF	
	TOTAL INPUTS	1,183	58,004	4,785	3,180	611	1,707	7,500	136	5.8
	Indirect Uses-Boiler Fuel	--	946	4,214	1,637	355	444	6,966	--	8.1
	Direct Uses-Total Process	--	44,632	447	371	182	537	458	--	7.9
	Process Heating	--	2,349	413	133	173	471	W	--	9.0
	Process Cooling and Refrigeration	--	14,071	0	39	1	W	0	--	12.5
	Machine Drive	--	27,988	7	170	6	34	W	--	15.2
	Electro-Chemical Processes	--	95	--	--	--	--	--	--	1.7
	Other Process Use	--	128	27	28	1	W	Q	--	19.2
	Direct Uses-Total Nonprocess	--	9,336	59	989	55	626	47	--	10.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4,206	W	138	34	99	W	--	15.4
	Facility Lighting	--	3,882	--	--	--	--	--	--	1.2
	Facility Support	--	1,021	Q	33	5	32	W	--	21.0
	Onsite Transportation	--	138	--	525	*	491	--	--	4.4
	Conventional Electricity Generation	--	--	W	243	15	*	43	--	12.1
	Other Nonprocess Use	--	90	0	Q	1	Q	0	--	47.0
	End Use Not Reported	169	3,090	65	183	20	Q	Q	136	16.2
2011	Meat Packing Plants									
	RSE Column Factors:	NF	1.0	1.1	1.6	0.9	1.5	0.4	NF	
	TOTAL INPUTS	53	3,924	138	101	35	W	W	2	12.2
	Indirect Uses-Boiler Fuel	--	38	138	37	25	60	*	--	14.9
	Direct Uses-Total Process	--	3,347	*	17	8	39	W	--	15.1
	Process Heating	--	40	*	*	7	39	W	--	17.0
	Process Cooling and Refrigeration	--	2,081	0	Q	*	0	0	--	13.5
	Machine Drive	--	1,222	0	0	*	*	0	--	13.9
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.8
	Other Process Use	--	3	0	14	*	*	0	--	28.8
	Direct Uses-Total Nonprocess	--	440	*	Q	2	W	W	--	12.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	180	*	*	2	3	W	--	16.9
	Facility Lighting	--	190	--	--	--	--	--	--	1.4
	Facility Support	--	57	*	*	*	W	0	--	25.8
	Onsite Transportation	--	Q	--	22	0	5	--	--	4.5
	Conventional Electricity Generation	--	--	0	0	*	0	0	--	6.0
	Other Nonprocess Use	--	0	0	Q	0	*	0	--	0.0
	End Use Not Reported	3	Q	0	0	1	*	0	2	29.7

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2033	Canned Fruits and Vegetables									
	RSE Column Factors:	NF	0.8	0.8	1.8	0.9	1.2	0.8	NF	
	TOTAL INPUTS	51	1,432	241	119	42	W	W	*	13.6
	Indirect Uses-Boiler Fuel	--	39	218	26	34	*	W	--	20.9
	Direct Uses-Total Process	--	1,129	22	7	2	5	0	--	24.1
	Process Heating	--	45	22	0	1	Q	0	--	29.0
	Process Cooling and Refrigeration	--	204	0	0	*	0	0	--	22.3
	Machine Drive	--	864	0	7	*	2	0	--	21.6
	Electro-Chemical Processes	--	13	--	--	--	--	--	--	1.8
	Other Process Use	--	4	0	0	*	0	0	--	42.9
	Direct Uses-Total Nonprocess	--	252	*	78	6	W	0	--	12.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	92	*	*	2	W	0	--	17.2
	Facility Lighting	--	124	--	--	--	--	--	--	1.4
	Facility Support	--	29	0	*	*	W	0	--	20.3
	Onsite Transportation	--	7	--	44	0	100	--	--	5.7
	Conventional Electricity Generation	--	--	0	34	4	0	0	--	9.6
	Other Nonprocess Use	--	0	0	0	0	*	0	--	0.0
	End Use Not Reported	1	Q	*	Q	*	6	0	*	21.5
2037	Frozen Fruits and Vegetables									
	RSE Column Factors:	NF	1.0	1.1	1.8	0.8	1.5	0.4	NF	
	TOTAL INPUTS	42	2,901	204	62	27	74	0	2	13.5
	Indirect Uses-Boiler Fuel	--	47	119	39	20	25	0	--	19.1
	Direct Uses-Total Process	--	2,498	Q	4	5	14	0	--	13.2
	Process Heating	--	134	Q	Q	5	11	0	--	18.1
	Process Cooling and Refrigeration	--	1,306	0	Q	*	0	0	--	16.6
	Machine Drive	--	1,046	0	*	*	3	0	--	13.2
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.8
	Other Process Use	--	10	0	1	0	0	0	--	23.2
	Direct Uses-Total Nonprocess	--	356	1	12	1	34	0	--	15.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	140	1	1	1	Q	0	--	20.8
	Facility Lighting	--	167	--	--	--	--	--	--	1.5
	Facility Support	--	42	1	0	*	*	0	--	26.5
	Onsite Transportation	--	5	--	11	0	29	--	--	5.9
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.3
	Other Nonprocess Use	--	1	0	*	0	0	0	--	33.3
	End Use Not Reported	2	*	Q	6	*	Q	0	2	26.6
2046	Wet Corn Milling									
	RSE Column Factors:	NF	1.1	0.8	1.7	0.9	1.4	0.5	NF	
	TOTAL INPUTS	173	5,662	169	10	67	9	3,556	5	18.1
	Indirect Uses-Boiler Fuel	--	101	169	4	34	*	3,556	--	24.3
	Direct Uses-Total Process	--	5,082	0	3	32	8	0	--	16.0
	Process Heating	--	14	0	2	32	8	0	--	23.6
	Process Cooling and Refrigeration	--	28	0	0	0	0	0	--	19.5
	Machine Drive	--	5,040	0	1	0	0	0	--	14.8
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	356	0	3	*	1	0	--	13.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	133	0	*	*	*	0	--	17.9
	Facility Lighting	--	166	--	--	--	--	--	--	1.5
	Facility Support	--	39	0	*	*	0	0	--	25.5
	Onsite Transportation	--	1	--	3	0	1	--	--	6.9
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.5
	Other Nonprocess Use	--	18	0	0	*	0	0	--	40.6
	End Use Not Reported	6	123	0	0	*	*	0	5	32.3

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2051	Bread, Cake, and Related Products									
	RSE Column Factors:	NF	1.0	0.4	2.2	1.2	2.1	0.4	NF	
	TOTAL INPUTS	37	2,436	Q	131	26	89	0	*	11.0
	Indirect Uses-Boiler Fuel	--	41	Q	Q	4	Q	0	--	17.3
	Direct Uses-Total Process	--	1,657	Q	19	18	Q	0	--	10.4
	Process Heating	--	181	Q	13	18	Q	0	--	14.2
	Process Cooling and Refrigeration	--	391	0	0	*	0	0	--	22.7
	Machine Drive	--	1,077	0	0	*	0	0	--	8.4
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	1.0
	Other Process Use	--	Q	0	6	*	0	0	--	20.7
	Direct Uses-Total Nonprocess	--	628	0	87	3	11	0	--	12.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	254	0	Q	2	2	0	--	12.8
	Facility Lighting	--	275	--	--	--	--	--	--	1.4
	Facility Support	--	93	0	*	*	*	0	--	18.3
	Onsite Transportation	--	4	--	49	0	8	--	--	8.6
	Conventional Electricity Generation	--	--	0	13	1	*	0	--	9.1
	Other Nonprocess Use	--	Q	0	Q	0	0	0	--	0.0
	End Use Not Reported	2	110	0	0	1	Q	0	*	29.5
2061	Cane Sugar, Except Refining									
	RSE Column Factors:	NF	1.4	0.9	1.0	0.8	1.3	0.8	NF	
	TOTAL INPUTS	105	W	W	220	2	W	W	99	18.1
	Indirect Uses-Boiler Fuel	--	S	348	22	2	1	W	--	19.9
	Direct Uses-Total Process	--	W	5	23	*	*	0	--	26.8
	Process Heating	--	S	W	16	*	0	0	--	26.9
	Process Cooling and Refrigeration	--	S	0	0	0	0	0	--	26.3
	Machine Drive	--	Q	W	6	0	0	0	--	24.4
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.8
	Other Process Use	--	W	0	0	0	*	0	--	23.0
	Direct Uses-Total Nonprocess	--	S	W	140	W	W	0	--	21.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	S	0	0	W	W	0	--	21.4
	Facility Lighting	--	Q	--	--	--	--	--	--	1.1
	Facility Support	--	Q	0	0	*	0	0	--	27.5
	Onsite Transportation	--	0	--	82	0	*	--	--	4.7
	Conventional Electricity Generation	--	--	W	58	0	0	0	--	8.1
	Other Nonprocess Use	--	S	0	*	0	0	0	--	21.5
	End Use Not Reported	100	W	W	35	W	*	0	99	25.4
2062	Cane Sugar Refining									
	RSE Column Factors:	NF	1.3	0.8	1.7	1.0	1.4	0.4	NF	
	TOTAL INPUTS	23	125	313	97	16	4	0	4	20.9
	Indirect Uses-Boiler Fuel	--	6	307	24	15	*	0	--	22.8
	Direct Uses-Total Process	--	108	6	70	1	*	0	--	25.4
	Process Heating	--	3	5	3	1	*	0	--	27.6
	Process Cooling and Refrigeration	--	3	0	0	0	0	0	--	28.3
	Machine Drive	--	102	1	67	0	0	0	--	30.7
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	11	0	4	*	4	0	--	21.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4	0	0	*	0	0	--	33.0
	Facility Lighting	--	5	--	--	--	--	--	--	1.7
	Facility Support	--	2	0	1	0	0	0	--	22.3
	Onsite Transportation	--	*	--	2	0	4	--	--	8.5
	Conventional Electricity Generation	--	--	0	1	0	0	0	--	4.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	4	0	0	0	0	*	0	4	34.8

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2063	Beet Sugar									
	RSE Column Factors:	NF	0.9	0.9	1.2	1.0	1.1	1.0	NF	
	TOTAL INPUTS	64	425	270	W	18	W	1,790	2	3.1
	Indirect Uses-Boiler Fuel	--	W	115	*	12	0	1,330	--	5.3
	Direct Uses-Total Process	--	382	155	W	6	1	432	--	5.0
	Process Heating	--	S	155	W	6	W	W	--	6.0
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	11.0
	Machine Drive	--	385	0	0	*	W	W	--	7.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	37	0	18	*	W	28	--	3.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	9	0	0	*	W	W	--	5.8
	Facility Lighting	--	19	--	--	--	--	--	--	1.2
	Facility Support	--	9	0	0	*	W	W	--	6.6
	Onsite Transportation	--	*	--	17	0	3	--	--	2.6
	Conventional Electricity Generation	--	--	0	*	*	0	W	--	4.8
	Other Nonprocess Use	--	0	0	0	0	*	0	--	9.2
	End Use Not Reported	W	W	0	0	0	*	0	2	9.0
2075	Soybean Oil Mills									
	RSE Column Factors:	NF	1.4	0.8	1.2	1.0	0.9	0.9	NF	
	TOTAL INPUTS	56	1,845	147	W	29	W	682	3	1.3
	Indirect Uses-Boiler Fuel	--	41	W	35	21	W	W	--	1.4
	Direct Uses-Total Process	--	1,679	0	W	7	W	W	--	1.0
	Process Heating	--	28	0	W	6	0	W	--	0.9
	Process Cooling and Refrigeration	--	114	0	0	0	0	0	--	2.9
	Machine Drive	--	1,534	0	W	0	0	0	--	0.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.0
	Other Process Use	--	3	0	0	1	W	0	--	1.0
	Direct Uses-Total Nonprocess	--	124	W	9	W	W	W	--	1.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	55	W	0	W	W	0	--	1.0
	Facility Lighting	--	53	--	--	--	--	--	--	1.2
	Facility Support	--	16	*	0	*	0	0	--	1.0
	Onsite Transportation	--	1	--	W	0	W	--	--	2.1
	Conventional Electricity Generation	--	--	0	W	W	0	W	--	0.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	1	0	*	W	*	0	3	0.9
2082	Malt Beverages									
	RSE Column Factors:	NF	1.7	0.2	2.3	1.5	1.3	0.6	NF	
	TOTAL INPUTS	51	2,311	W	21	21	W	789	*	6.8
	Indirect Uses-Boiler Fuel	--	W	W	14	19	W	789	--	9.0
	Direct Uses-Total Process	--	1,829	W	*	2	W	0	--	7.9
	Process Heating	--	W	W	0	2	W	0	--	16.5
	Process Cooling and Refrigeration	--	774	0	*	0	0	0	--	5.7
	Machine Drive	--	1,009	0	0	0	0	0	--	4.2
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1
	Other Process Use	--	W	0	0	0	0	0	--	0.6
	Direct Uses-Total Nonprocess	--	387	W	6	1	W	0	--	10.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	162	W	2	1	W	0	--	8.1
	Facility Lighting	--	160	--	--	--	--	--	--	1.5
	Facility Support	--	W	0	0	0	0	0	--	13.8
	Onsite Transportation	--	10	--	4	*	W	--	--	5.8
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.6
	Other Nonprocess Use	--	W	0	*	0	0	0	--	2.1
	End Use Not Reported	W	W	0	0	0	*	0	*	12.0

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
21	TOBACCO PRODUCTS									
	RSE Column Factors:	NF	1.0	0.9	1.7	0.8	1.4	0.6	NF	
	TOTAL INPUTS	W	842	133	W	W	W	W	W	23.5
	Indirect Uses-Boiler Fuel	--	W	119	17	2	W	W	--	25.8
	Direct Uses-Total Process	--	531	8	W	1	*	0	--	26.3
	Process Heating	--	13	7	*	1	*	0	--	26.5
	Process Cooling and Refrigeration	--	26	1	0	*	0	0	--	35.9
	Machine Drive	--	545	0	W	*	0	0	--	28.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	Q	0	0	*	0	0	--	45.6
	Direct Uses-Total Nonprocess	--	304	6	1	W	14	0	--	29.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	212	4	0	W	Q	0	--	40.6
	Facility Lighting	--	91	--	--	--	--	--	--	1.6
	Facility Support	--	Q	2	0	*	0	0	--	42.6
	Onsite Transportation	--	0	--	*	0	13	--	--	5.4
	Conventional Electricity Generation	--	--	0	1	0	0	0	--	4.8
	Other Nonprocess Use	--	0	0	*	0	*	0	--	24.6
	End Use Not Reported	*	W	0	0	0	0	0	W	0.0
22	TEXTILE MILL PRODUCTS									
	RSE Column Factors:	NF	0.9	0.8	1.3	0.9	1.2	0.9	NF	
	TOTAL INPUTS	310	32,614	2,680	W	113	W	1,821	14	11.9
	Indirect Uses-Boiler Fuel	--	315	2,360	1,000	67	W	1,794	--	15.9
	Direct Uses-Total Process	--	22,194	168	W	35	728	0	--	15.1
	Process Heating	--	1,451	125	W	32	695	0	--	19.4
	Process Cooling and Refrigeration	--	1,965	0	0	*	0	0	--	13.2
	Machine Drive	--	18,502	Q	Q	Q	Q	0	--	6.6
	Electro-Chemical Processes	--	53	--	--	--	--	--	--	1.9
	Other Process Use	--	223	0	0	*	Q	0	--	54.0
	Direct Uses-Total Nonprocess	--	8,490	W	82	7	224	W	--	18.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4,592	W	53	7	W	W	--	17.1
	Facility Lighting	--	3,169	--	--	--	--	--	--	1.4
	Facility Support	--	664	W	*	W	W	0	--	27.6
	Onsite Transportation	--	49	--	3	*	W	--	--	8.2
	Conventional Electricity Generation	--	--	0	W	W	W	W	--	14.4
	Other Nonprocess Use	--	15	Q	W	0	0	0	--	35.4
	End Use Not Reported	23	1,615	W	W	3	8	W	14	26.6
23	APPAREL and OTHER TEXTILE PRODUCTS									
	RSE Column Factors:	NF	1.3	0.8	1.7	0.9	1.6	0.4	NF	
	TOTAL INPUTS	56	7,735	W	106	24	W	W	W	16.3
	Indirect Uses-Boiler Fuel	--	W	27	50	9	Q	W	--	26.4
	Direct Uses-Total Process	--	3,324	W	W	6	Q	0	--	10.4
	Process Heating	--	211	0	Q	4	Q	0	--	17.4
	Process Cooling and Refrigeration	--	91	0	0	*	0	0	--	19.5
	Machine Drive	--	3,017	W	W	2	Q	0	--	14.5
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	1.1
	Other Process Use	--	Q	0	W	*	*	0	--	53.1
	Direct Uses-Total Nonprocess	--	3,291	0	42	7	61	0	--	16.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,753	0	42	7	37	0	--	20.0
	Facility Lighting	--	1,260	--	--	--	--	--	--	1.6
	Facility Support	--	241	0	*	1	Q	0	--	17.0
	Onsite Transportation	--	10	--	1	0	23	--	--	8.0
	Conventional Electricity Generation	--	--	0	0	*	0	0	--	0.8
	Other Nonprocess Use	--	Q	0	*	*	0	0	--	0.0
	End Use Not Reported	6	W	0	W	2	W	0	W	19.3

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
24	LUMBER and WOOD PRODUCTS									
	RSE Column Factors:	NF	0.8	1.4	1.4	0.8	1.1	0.7	NF	
	TOTAL INPUTS	435	19,836	W	3,793	47	W	W	290	8.9
	Indirect Uses-Boiler Fuel	--	266	213	206	15	W	W	--	19.5
	Direct Uses-Total Process	--	15,492	19	1,828	23	370	0	--	11.8
	Process Heating	--	866	19	99	20	251	0	--	14.7
	Process Cooling and Refrigeration	--	103	0	0	*	W	0	--	21.8
	Machine Drive	--	14,354	0	1,459	1	104	0	--	12.7
	Electro-Chemical Processes	--	7	--	--	--	--	--	--	1.8
	Other Process Use	--	161	0	Q	Q	W	0	--	22.2
	Direct Uses-Total Nonprocess	--	2,541	W	1,370	7	544	0	--	10.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	928	W	Q	6	89	0	--	15.5
	Facility Lighting	--	1,316	--	--	--	--	--	--	1.3
	Facility Support	--	262	0	Q	*	1	0	--	23.3
	Onsite Transportation	--	18	--	1,140	*	454	--	--	4.5
	Conventional Electricity Generation	--	--	0	49	*	0	0	--	5.3
	Other Nonprocess Use	--	Q	0	75	*	*	0	--	35.2
	End Use Not Reported	300	1,537	0	389	3	60	0	290	16.0
2421	Sawmills and Planing Mills, General									
	RSE Column Factors:	NF	0.7	1.0	1.4	1.1	1.5	0.6	NF	
	TOTAL INPUTS	198	6,556	W	1,206	11	W	0	157	13.0
	Indirect Uses-Boiler Fuel	--	Q	10	48	5	W	0	--	27.6
	Direct Uses-Total Process	--	5,167	*	377	5	16	0	--	14.3
	Process Heating	--	237	*	62	5	4	0	--	20.0
	Process Cooling and Refrigeration	--	Q	0	0	*	W	0	--	0.0
	Machine Drive	--	4,898	0	315	*	12	0	--	14.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	0.9
	Other Process Use	--	Q	0	0	0	W	0	--	31.7
	Direct Uses-Total Nonprocess	--	725	W	662	*	62	0	--	13.6
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	277	W	5	*	Q	0	--	22.2
	Facility Lighting	--	342	--	--	--	--	--	--	1.4
	Facility Support	--	90	0	Q	*	*	0	--	18.4
	Onsite Transportation	--	Q	--	638	0	46	--	--	3.6
	Conventional Electricity Generation	--	--	0	Q	0	0	0	--	1.4
	Other Nonprocess Use	--	Q	0	1	0	*	0	--	23.9
	End Use Not Reported	161	667	0	120	*	9	0	157	24.9
2436	Softwood Veneer and Plywood									
	RSE Column Factors:	NF	1.6	0.4	1.8	1.5	1.4	0.4	NF	
	TOTAL INPUTS	73	2,517	Q	251	3	168	0	60	7.7
	Indirect Uses-Boiler Fuel	--	76	Q	Q	*	5	0	--	11.9
	Direct Uses-Total Process	--	2,074	0	40	2	28	0	--	11.5
	Process Heating	--	156	0	0	2	*	0	--	12.0
	Process Cooling and Refrigeration	--	11	0	0	0	0	0	--	8.2
	Machine Drive	--	1,904	0	W	0	W	0	--	12.6
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.8
	Other Process Use	--	W	0	W	0	W	0	--	12.5
	Direct Uses-Total Nonprocess	--	276	0	164	*	126	0	--	11.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	81	0	*	*	1	0	--	15.4
	Facility Lighting	--	171	--	--	--	--	--	--	1.6
	Facility Support	--	24	0	0	0	0	0	--	10.1
	Onsite Transportation	--	*	--	121	0	124	--	--	5.5
	Conventional Electricity Generation	--	--	0	42	0	0	0	--	3.6
	Other Nonprocess Use	--	*	0	1	0	0	0	--	13.6
	End Use Not Reported	60	91	0	7	*	9	0	60	19.3

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2493	Reconstituted Wood Products									
	RSE Column Factors:	NF	1.1	1.2	1.3	0.8	1.2	0.6	NF	
	TOTAL INPUTS	71	4,453	W	W	17	W	W	33	13.1
	Indirect Uses-Boiler Fuel	--	W	171	22	5	W	W	--	18.4
	Direct Uses-Total Process	--	3,883	19	45	11	242	0	--	16.1
	Process Heating	--	233	19	Q	9	232	0	--	16.6
	Process Cooling and Refrigeration	--	33	0	0	0	0	0	--	16.4
	Machine Drive	--	3,461	0	23	1	8	0	--	18.4
	Electro-Chemical Processes	--	4	--	--	--	--	--	--	1.9
	Other Process Use	--	151	0	0	Q	Q	0	--	22.8
	Direct Uses-Total Nonprocess	--	372	W	57	1	81	0	--	14.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	135	W	0	1	10	0	--	19.6
	Facility Lighting	--	202	--	--	--	--	--	--	1.5
	Facility Support	--	W	0	*	*	*	0	--	24.9
	Onsite Transportation	--	W	--	56	0	71	--	--	4.7
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.2
	Other Nonprocess Use	--	Q	0	0	0	0	0	--	0.0
	End Use Not Reported	34	W	0	W	1	3	0	33	36.0
25	FURNITURE and FIXTURES									
	RSE Column Factors:	NF	0.8	1.1	1.3	0.7	1.1	1.2	NF	
	TOTAL INPUTS	65	6,590	60	153	23	211	115	14	11.7
	Indirect Uses-Boiler Fuel	--	73	40	72	4	3	98	--	20.5
	Direct Uses-Total Process	--	3,957	14	Q	8	48	9	--	18.7
	Process Heating	--	245	12	2	8	25	8	--	23.8
	Process Cooling and Refrigeration	--	83	0	0	*	0	0	--	38.6
	Machine Drive	--	3,532	2	Q	*	23	1	--	25.8
	Electro-Chemical Processes	--	30	--	--	--	--	--	--	1.8
	Other Process Use	--	67	0	0	*	*	0	--	45.7
	Direct Uses-Total Nonprocess	--	2,050	Q	65	9	143	1	--	14.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	814	Q	44	9	17	1	--	19.3
	Facility Lighting	--	1,028	--	--	--	--	--	--	1.4
	Facility Support	--	191	0	0	*	*	0	--	20.0
	Onsite Transportation	--	14	--	21	0	W	--	--	5.1
	Conventional Electricity Generation	--	--	0	0	0	W	0	--	6.9
	Other Nonprocess Use	--	3	0	*	*	2	0	--	39.8
	End Use Not Reported	18	511	Q	5	2	17	Q	14	30.2
2511	Wood Furniture, Except Upholstered									
	RSE Column Factors:	NF	0.6	1.1	1.2	1.0	1.4	1.0	NF	
	TOTAL INPUTS	24	2,146	47	62	2	59	56	12	15.8
	Indirect Uses-Boiler Fuel	--	41	32	21	*	1	42	--	25.3
	Direct Uses-Total Process	--	1,555	14	2	*	7	8	--	33.1
	Process Heating	--	58	11	Q	*	6	6	--	37.3
	Process Cooling and Refrigeration	--	8	0	0	0	0	0	--	46.6
	Machine Drive	--	1,455	2	1	*	1	1	--	31.3
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.9
	Other Process Use	--	34	0	0	*	0	0	--	57.1
	Direct Uses-Total Nonprocess	--	411	2	34	1	48	1	--	23.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	125	2	Q	1	Q	1	--	28.6
	Facility Lighting	--	238	--	--	--	--	--	--	1.4
	Facility Support	--	45	0	0	*	*	0	--	30.6
	Onsite Transportation	--	2	--	20	0	W	--	--	5.8
	Conventional Electricity Generation	--	--	0	0	0	W	0	--	7.4
	Other Nonprocess Use	--	0	0	*	*	1	0	--	32.6
	End Use Not Reported	13	139	0	4	*	3	Q	12	39.1

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
26	PAPER and ALLIED PRODUCTS									
	RSE Column Factors:	NF	0.6	1.1	1.2	0.7	1.4	1.3	NF	
	TOTAL INPUTS	2,634	65,479	27,444	1,560	558	1,315	13,812	1,343	3.5
	Indirect Uses-Boiler Fuel	--	1,341	21,946	783	390	140	13,470	--	5.4
	Direct Uses-Total Process	--	55,913	5,023	W	112	420	W	--	6.8
	Process Heating	--	1,664	4,787	234	99	335	W	--	8.1
	Process Cooling and Refrigeration	--	933	0	0	1	0	0	--	12.0
	Machine Drive	--	52,375	236	88	10	81	W	--	13.3
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.9
	Other Process Use	--	789	0	W	2	4	0	--	15.2
	Direct Uses-Total Nonprocess	--	6,890	251	415	49	681	W	--	6.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3,090	W	83	16	W	W	--	11.6
	Facility Lighting	--	2,949	--	--	--	--	--	--	1.2
	Facility Support	--	728	W	2	1	12	0	--	16.6
	Onsite Transportation	--	69	--	326	*	626	--	--	2.5
	Conventional Electricity Generation	--	--	W	3	30	W	W	--	9.8
	Other Nonprocess Use	--	53	W	*	2	15	0	--	25.3
	End Use Not Reported	1,357	1,335	224	W	7	74	W	1,343	13.0
2611	Pulp Mills									
	RSE Column Factors:	NF	1.3	0.7	1.2	1.0	1.2	0.7	NF	
	TOTAL INPUTS	251	2,190	3,583	W	21	W	328	190	13.0
	Indirect Uses-Boiler Fuel	--	142	2,806	111	14	32	328	--	16.5
	Direct Uses-Total Process	--	1,870	692	32	7	27	0	--	13.3
	Process Heating	--	24	692	11	7	24	0	--	16.2
	Process Cooling and Refrigeration	--	14	0	0	0	0	0	--	19.5
	Machine Drive	--	1,794	0	21	*	3	0	--	19.0
	Electro-Chemical Processes	--	24	--	--	--	--	--	--	1.8
	Other Process Use	--	13	0	0	0	1	0	--	22.2
	Direct Uses-Total Nonprocess	--	178	0	32	1	10	0	--	12.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	86	0	3	1	0	0	--	19.7
	Facility Lighting	--	76	--	--	--	--	--	--	1.5
	Facility Support	--	13	0	0	*	1	0	--	21.0
	Onsite Transportation	--	0	--	30	0	8	--	--	3.7
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	3	0	0	0	0	0	--	18.8
	End Use Not Reported	191	*	84	W	0	W	0	190	30.3
2621	Paper Mills									
	RSE Column Factors:	NF	0.7	1.0	1.1	0.8	1.1	1.4	NF	
	TOTAL INPUTS	1,292	34,419	14,942	744	263	465	8,783	609	5.2
	Indirect Uses-Boiler Fuel	--	351	12,130	337	189	W	W	--	9.0
	Direct Uses-Total Process	--	31,031	2,740	208	47	192	W	--	9.6
	Process Heating	--	365	2,661	152	43	186	W	--	12.1
	Process Cooling and Refrigeration	--	312	0	0	*	0	0	--	20.9
	Machine Drive	--	29,820	80	55	W	6	W	--	13.8
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.9
	Other Process Use	--	519	0	1	W	0	0	--	25.0
	Direct Uses-Total Nonprocess	--	2,443	W	189	25	195	W	--	8.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,138	W	W	3	4	W	--	11.5
	Facility Lighting	--	974	--	--	--	--	--	--	1.3
	Facility Support	--	280	W	*	*	*	0	--	18.0
	Onsite Transportation	--	17	--	184	0	189	--	--	3.3
	Conventional Electricity Generation	--	--	W	W	22	0	W	--	10.7
	Other Nonprocess Use	--	33	W	*	*	2	0	--	25.7
	End Use Not Reported	614	594	W	10	2	W	0	609	16.8

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2631	Paperboard Mills									
	RSE Column Factors:	NF	0.9	1.0	1.1	0.9	1.0	1.2	NF	
	TOTAL INPUTS	930	13,512	7,914	W	194	W	4,552	531	2.6
	Indirect Uses-Boiler Fuel	--	660	6,215	181	145	W	W	--	4.8
	Direct Uses-Total Process	--	11,788	1,425	W	35	22	W	--	5.0
	Process Heating	--	205	W	*	30	18	W	--	6.8
	Process Cooling and Refrigeration	--	80	0	0	W	0	0	--	8.3
	Machine Drive	--	11,216	W	W	W	W	0	--	7.6
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.5
	Other Process Use	--	W	0	W	0	W	0	--	12.0
	Direct Uses-Total Nonprocess	--	865	W	107	11	84	W	--	6.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	318	W	W	W	1	0	--	7.7
	Facility Lighting	--	446	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	W	*	0	0	--	9.7
	Onsite Transportation	--	*	--	105	0	83	--	--	2.7
	Conventional Electricity Generation	--	--	W	W	8	0	W	--	7.7
	Other Nonprocess Use	--	W	0	*	W	0	0	--	13.3
	End Use Not Reported	535	199	W	W	2	W	W	531	10.9
27	PRINTING and PUBLISHING									
	RSE Column Factors:	NF	0.7	1.2	1.8	0.9	1.7	0.4	NF	
	TOTAL INPUTS	112	17,409	W	261	46	W	0	2	7.8
	Indirect Uses-Boiler Fuel	--	69	33	101	10	W	0	--	14.0
	Direct Uses-Total Process	--	9,103	W	Q	16	83	0	--	8.2
	Process Heating	--	463	0	Q	14	55	0	--	11.3
	Process Cooling and Refrigeration	--	712	0	0	*	0	0	--	15.4
	Machine Drive	--	7,849	0	*	1	26	0	--	13.0
	Electro-Chemical Processes	--	51	--	--	--	--	--	--	1.6
	Other Process Use	--	28	W	*	*	3	0	--	28.7
	Direct Uses-Total Nonprocess	--	6,515	W	133	15	205	0	--	11.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3,452	W	93	13	87	0	--	11.4
	Facility Lighting	--	2,193	--	--	--	--	--	--	1.3
	Facility Support	--	789	5	1	1	4	0	--	15.6
	Onsite Transportation	--	46	--	W	*	101	--	--	5.4
	Conventional Electricity Generation	--	--	0	W	*	0	0	--	10.3
	Other Nonprocess Use	--	34	0	*	*	Q	0	--	35.4
	End Use Not Reported	13	1,723	0	24	5	17	0	2	16.8
28	CHEMICALS and ALLIED PRODUCTS									
	RSE Column Factors:	NF	0.6	1.2	1.0	0.8	1.5	1.0	NF	
	TOTAL INPUTS	3,273	152,482	9,567	2,201	1,840	W	11,597	W	6.1
	Indirect Uses-Boiler Fuel	--	2,353	5,944	1,264	904	402	11,050	--	9.3
	Direct Uses-Total Process	--	135,769	2,845	W	686	412	453	--	8.8
	Process Heating	--	6,040	2,835	259	619	336	W	--	9.5
	Process Cooling and Refrigeration	--	9,498	*	2	10	W	*	--	24.5
	Machine Drive	--	99,621	*	97	38	Q	W	--	16.6
	Electro-Chemical Processes	--	20,370	--	--	--	--	--	--	1.3
	Other Process Use	--	241	Q	W	19	W	0	--	20.2
	Direct Uses-Total Nonprocess	--	12,526	W	497	223	252	W	--	10.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	6,199	W	67	16	44	24	--	15.7
	Facility Lighting	--	4,790	--	--	--	--	--	--	1.3
	Facility Support	--	1,311	W	Q	3	W	0	--	11.0
	Onsite Transportation	--	44	--	307	*	192	--	--	5.1
	Conventional Electricity Generation	--	--	W	19	201	W	W	--	13.7
	Other Nonprocess Use	--	181	W	72	3	*	0	--	18.2
	End Use Not Reported	559	1,834	W	W	26	W	W	W	15.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2812	Alkalies and Chlorine									
	RSE Column Factors:	NF	0.9	1.0	1.1	1.0	1.2	0.8	NF	
	TOTAL INPUTS	129	13,424	W	51	52	1	W	W	8.3
	Indirect Uses-Boiler Fuel	--	W	W	41	W	*	W	--	10.9
	Direct Uses-Total Process	--	13,247	0	W	2	*	0	--	7.8
	Process Heating	--	W	0	W	W	0	0	--	9.4
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	6.7
	Machine Drive	--	1,196	0	W	*	*	0	--	9.3
	Electro-Chemical Processes	--	11,893	--	--	--	--	--	--	1.3
	Other Process Use	--	W	0	0	W	0	0	--	14.6
	Direct Uses-Total Nonprocess	--	W	W	W	W	1	0	--	8.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	41	W	0	W	0	0	--	8.1
	Facility Lighting	--	109	--	--	--	--	--	--	1.4
	Facility Support	--	W	0	0	W	0	0	--	12.4
	Onsite Transportation	--	0	--	W	0	1	--	--	2.8
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	3.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	*	0	*	0	*	0	W	13.9
2813	Industrial Gases									
	RSE Column Factors:	NF	0.7	0.9	1.0	1.5	1.4	0.9	NF	
	TOTAL INPUTS	99	23,525	0	W	18	W	0	*	16.1
	Indirect Uses-Boiler Fuel	--	W	0	1	6	*	0	--	36.3
	Direct Uses-Total Process	--	21,720	0	0	9	1	0	--	18.3
	Process Heating	--	412	0	0	9	1	0	--	28.7
	Process Cooling and Refrigeration	--	732	0	0	0	0	0	--	24.4
	Machine Drive	--	20,566	0	0	*	0	0	--	14.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	9	0	0	*	0	0	--	74.8
	Direct Uses-Total Nonprocess	--	637	0	W	3	*	0	--	20.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	391	0	0	*	*	0	--	20.6
	Facility Lighting	--	180	--	--	--	--	--	--	1.4
	Facility Support	--	66	0	0	*	0	0	--	21.2
	Onsite Transportation	--	0	--	W	0	0	--	--	1.2
	Conventional Electricity Generation	--	--	0	0	2	0	0	--	6.5
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	1	W	0	0	0	W	0	*	56.5
2816	Inorganic Pigments									
	RSE Column Factors:	NF	1.4	0.7	1.2	0.8	1.2	0.9	NF	
	TOTAL INPUTS	40	2,393	W	W	W	W	W	W	9.3
	Indirect Uses-Boiler Fuel	--	W	W	21	10	*	W	--	11.7
	Direct Uses-Total Process	--	2,266	0	W	11	W	W	--	10.1
	Process Heating	--	W	0	20	11	W	W	--	10.6
	Process Cooling and Refrigeration	--	121	0	0	0	0	0	--	7.2
	Machine Drive	--	1,442	0	W	*	W	0	--	12.4
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.6
	Other Process Use	--	W	0	0	0	*	0	--	14.2
	Direct Uses-Total Nonprocess	--	117	0	17	*	5	0	--	7.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	56	0	*	*	*	0	--	9.6
	Facility Lighting	--	51	--	--	--	--	--	--	1.4
	Facility Support	--	W	0	0	*	*	0	--	9.0
	Onsite Transportation	--	W	--	17	0	4	--	--	4.2
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.7
	Other Nonprocess Use	--	0	0	*	0	0	0	--	17.1
	End Use Not Reported	W	W	0	W	W	*	0	W	16.6

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2819	Industrial Inorganic Chemicals, nec.									
	RSE Column Factors:	NF	1.3	0.8	1.3	0.8	1.3	0.7	NF	
	TOTAL INPUTS	344	42,239	588	W	W	W	1,451	W	11.4
	Indirect Uses-Boiler Fuel	--	70	168	110	71	11	1,165	--	13.9
	Direct Uses-Total Process	--	40,998	405	63	61	16	W	--	14.0
	Process Heating	--	2,060	405	32	60	13	W	--	13.0
	Process Cooling and Refrigeration	--	248	0	0	0	0	0	--	8.2
	Machine Drive	--	34,486	0	29	Q	4	0	--	25.2
	Electro-Chemical Processes	--	4,205	--	--	--	--	--	--	1.5
	Other Process Use	--	0	0	1	*	0	0	--	19.9
	Direct Uses-Total Nonprocess	--	1,138	Q	83	4	14	W	--	12.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	553	Q	12	2	3	W	--	16.3
	Facility Lighting	--	410	--	--	--	--	--	--	1.5
	Facility Support	--	158	0	W	*	*	0	--	17.0
	Onsite Transportation	--	4	--	W	0	11	--	--	6.3
	Conventional Electricity Generation	--	--	0	4	2	0	0	--	6.6
	Other Nonprocess Use	--	Q	0	*	0	0	0	--	19.9
	End Use Not Reported	23	33	5	W	W	W	0	W	30.9
2821	Plastics Materials and Resins									
	RSE Column Factors:	NF	0.8	0.9	1.2	1.0	1.7	0.6	NF	
	TOTAL INPUTS	319	16,408	542	186	W	W	875	50	9.3
	Indirect Uses-Boiler Fuel	--	304	W	97	112	8	875	--	10.9
	Direct Uses-Total Process	--	14,195	W	W	51	W	0	--	13.3
	Process Heating	--	473	W	19	37	W	0	--	16.9
	Process Cooling and Refrigeration	--	1,562	0	0	*	W	0	--	9.5
	Machine Drive	--	10,411	0	W	6	W	0	--	10.8
	Electro-Chemical Processes	--	1,788	--	--	--	--	--	--	1.6
	Other Process Use	--	S	*	*	8	W	0	--	24.4
	Direct Uses-Total Nonprocess	--	1,519	*	44	19	43	0	--	11.6
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	725	0	*	1	Q	0	--	12.9
	Facility Lighting	--	596	--	--	--	--	--	--	1.3
	Facility Support	--	190	0	W	W	1	0	--	11.8
	Onsite Transportation	--	W	--	W	0	26	--	--	4.1
	Conventional Electricity Generation	--	--	0	W	W	0	0	--	5.9
	Other Nonprocess Use	--	W	*	W	*	0	0	--	22.1
	End Use Not Reported	52	390	0	W	W	W	0	50	22.9
2822	Synthetic Rubber									
	RSE Column Factors:	NF	1.1	0.6	1.3	1.3	1.3	0.7	NF	
	TOTAL INPUTS	63	2,276	W	15	41	W	W	9	21.0
	Indirect Uses-Boiler Fuel	--	W	W	8	23	0	W	--	28.1
	Direct Uses-Total Process	--	1,953	0	W	17	0	0	--	18.1
	Process Heating	--	17	0	0	15	0	0	--	21.2
	Process Cooling and Refrigeration	--	343	0	0	*	0	0	--	22.6
	Machine Drive	--	1,588	0	W	*	0	0	--	20.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	5	0	0	2	0	0	--	33.4
	Direct Uses-Total Nonprocess	--	257	0	3	*	W	0	--	15.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	131	0	0	*	W	0	--	18.5
	Facility Lighting	--	85	--	--	--	--	--	--	1.6
	Facility Support	--	40	0	1	*	0	0	--	23.4
	Onsite Transportation	--	1	--	2	0	4	--	--	7.3
	Conventional Electricity Generation	--	--	0	0	*	0	0	--	5.6
	Other Nonprocess Use	--	0	0	*	*	0	0	--	33.4
	End Use Not Reported	9	W	0	W	*	0	0	9	20.8

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2823	Cellulosic Manmade Fibers									
	RSE Column Factors:	NF	1.0	1.0	1.0	1.0	1.0	1.0	NF	
	TOTAL INPUTS	28	419	0	23	W	W	W	W	1.0
	Indirect Uses-Boiler Fuel	--	W	0	W	W	0	W	--	1.0
	Direct Uses-Total Process	--	336	0	W	W	*	0	--	1.0
	Process Heating	--	W	0	W	W	*	0	--	1.0
	Process Cooling and Refrigeration	--	53	0	0	0	0	0	--	1.0
	Machine Drive	--	272	0	*	0	0	0	--	1.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	W	0	*	*	W	0	--	1.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	49	0	0	*	0	0	--	1.0
	Facility Lighting	--	25	--	--	--	--	--	--	1.0
	Facility Support	--	W	0	0	*	0	0	--	1.0
	Onsite Transportation	--	W	--	--	0	W	--	--	1.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.0
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	*	0	0	0	0	0	W	1.0
2824	Organic Fibers, Noncellulosic									
	RSE Column Factors:	NF	0.9	0.8	1.4	1.3	1.2	0.6	NF	
	TOTAL INPUTS	114	7,093	1,435	88	W	W	1,577	W	6.8
	Indirect Uses-Boiler Fuel	--	W	W	65	31	W	1,577	--	7.9
	Direct Uses-Total Process	--	5,876	W	W	W	15	0	--	8.1
	Process Heating	--	W	W	W	W	15	0	--	8.2
	Process Cooling and Refrigeration	--	799	0	0	W	0	0	--	8.9
	Machine Drive	--	3,811	0	W	*	0	0	--	9.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.6
	Other Process Use	--	61	0	0	0	0	0	--	15.4
	Direct Uses-Total Nonprocess	--	1,089	0	8	W	24	0	--	4.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	532	0	W	W	W	0	--	7.7
	Facility Lighting	--	408	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	0	*	W	0	--	10.5
	Onsite Transportation	--	W	--	W	*	W	--	--	4.7
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.7
	Other Nonprocess Use	--	W	0	W	0	*	0	--	14.2
	End Use Not Reported	8	W	0	W	W	W	0	W	11.2
2861	Gum and Wood Chemicals									
	RSE Column Factors:	NF	1.2	1.0	1.2	1.2	1.1	0.6	NF	
	TOTAL INPUTS	10	211	*	W	4	W	0	5	6.9
	Indirect Uses-Boiler Fuel	--	W	0	W	W	W	0	--	8.7
	Direct Uses-Total Process	--	150	*	W	W	W	0	--	7.2
	Process Heating	--	16	*	W	W	W	0	--	8.9
	Process Cooling and Refrigeration	--	4	0	0	W	0	0	--	17.5
	Machine Drive	--	129	0	W	0	W	0	--	7.1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.6
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	W	0	W	*	W	0	--	6.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	21	0	0	*	W	0	--	8.7
	Facility Lighting	--	12	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	0	*	0	0	--	7.2
	Onsite Transportation	--	0	--	W	0	W	--	--	2.8
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	W	0	W	W	W	0	5	7.6

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2865	Cyclic Crudes and Intermediates									
	RSE Column Factors:	NF	1.3	0.8	1.2	1.2	1.2	0.6	NF	
	TOTAL INPUTS	155	4,789	W	204	95	279	W	25	19.8
	Indirect Uses-Boiler Fuel	--	358	W	178	64	Q	W	--	21.6
	Direct Uses-Total Process	--	3,889	*	W	25	Q	0	--	17.6
	Process Heating	--	670	*	6	25	Q	0	--	22.1
	Process Cooling and Refrigeration	--	623	0	0	W	0	0	--	19.0
	Machine Drive	--	2,516	0	W	W	*	0	--	16.3
	Electro-Chemical Processes	--	58	--	--	--	--	--	--	1.8
	Other Process Use	--	21	0	*	0	0	0	--	25.6
	Direct Uses-Total Nonprocess	--	484	0	5	5	11	0	--	18.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	301	0	0	*	W	0	--	23.6
	Facility Lighting	--	156	--	--	--	--	--	--	1.6
	Facility Support	--	27	0	*	*	W	0	--	21.2
	Onsite Transportation	--	1	--	4	*	11	--	--	8.8
	Conventional Electricity Generation	--	--	0	0	4	0	0	--	4.5
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	28	58	W	W	2	*	0	25	31.0
2869	Industrial Organic Chemicals, nec.									
	RSE Column Factors:	NF	1.1	0.9	1.2	1.0	1.3	0.7	NF	
	TOTAL INPUTS	1,370	18,786	795	317	813	265	4,178	369	10.2
	Indirect Uses-Boiler Fuel	--	251	W	166	376	71	W	--	14.1
	Direct Uses-Total Process	--	16,049	134	W	277	176	0	--	13.1
	Process Heating	--	W	134	W	242	W	0	--	17.0
	Process Cooling and Refrigeration	--	2,503	0	W	4	W	0	--	19.1
	Machine Drive	--	11,818	0	6	28	0	0	--	11.5
	Electro-Chemical Processes	--	949	--	--	--	--	--	--	1.7
	Other Process Use	--	W	0	*	4	0	0	--	30.1
	Direct Uses-Total Nonprocess	--	1,980	W	96	149	12	0	--	15.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	848	W	W	3	W	0	--	13.5
	Facility Lighting	--	892	--	--	--	--	--	--	1.5
	Facility Support	--	203	0	Q	W	W	0	--	11.3
	Onsite Transportation	--	7	--	W	0	11	--	--	5.9
	Conventional Electricity Generation	--	--	0	*	143	W	0	--	8.3
	Other Nonprocess Use	--	30	0	W	W	0	0	--	24.2
	End Use Not Reported	383	507	W	W	11	7	W	369	17.5
2873	Nitrogenous Fertilizers									
	RSE Column Factors:	NF	1.4	0.4	1.5	1.4	1.7	0.4	NF	
	TOTAL INPUTS	286	3,817	0	29	260	4	0	5	6.8
	Indirect Uses-Boiler Fuel	--	43	0	10	70	0	0	--	11.5
	Direct Uses-Total Process	--	3,537	0	6	180	2	0	--	10.0
	Process Heating	--	208	0	5	171	*	0	--	14.6
	Process Cooling and Refrigeration	--	377	0	0	5	0	0	--	14.6
	Machine Drive	--	2,802	0	1	2	1	0	--	14.2
	Electro-Chemical Processes	--	150	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	0	2	0	0	--	23.8
	Direct Uses-Total Nonprocess	--	212	0	11	2	2	0	--	9.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	89	0	*	*	1	0	--	13.6
	Facility Lighting	--	86	--	--	--	--	--	--	1.5
	Facility Support	--	37	0	2	*	*	0	--	20.6
	Onsite Transportation	--	0	--	9	0	1	--	--	4.4
	Conventional Electricity Generation	--	--	0	*	2	*	0	--	8.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	13	25	0	3	8	*	0	5	18.4

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2874	Phosphatic Fertilizers									
	RSE Column Factors:	NF	1.5	0.8	1.0	0.9	1.2	0.7	NF	
	TOTAL INPUTS	18	1,131	W	117	W	3	W	W	5.7
	Indirect Uses-Boiler Fuel	--	W	W	W	2	0	0	--	6.7
	Direct Uses-Total Process	--	1,000	W	32	7	W	W	--	5.9
	Process Heating	--	W	W	W	7	W	W	--	6.5
	Process Cooling and Refrigeration	--	W	0	0	*	0	0	--	12.0
	Machine Drive	--	831	0	W	*	0	0	--	8.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.4
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	W	0	60	W	W	0	--	5.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	39	0	*	W	1	0	--	6.0
	Facility Lighting	--	26	--	--	--	--	--	--	1.4
	Facility Support	--	W	0	*	0	*	0	--	7.1
	Onsite Transportation	--	S	--	W	0	W	--	--	2.9
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.7
	Other Nonprocess Use	--	0	0	W	0	0	0	--	9.7
	End Use Not Reported	W	W	0	W	0	0	0	W	6.4
2895	Carbon Black									
	RSE Column Factors:	NF	1.1	1.0	1.2	1.1	1.6	0.5	NF	
	TOTAL INPUTS	30	W	W	W	17	W	0	W	11.7
	Indirect Uses-Boiler Fuel	--	W	0	0	6	0	0	--	20.8
	Direct Uses-Total Process	--	350	W	W	10	0	0	--	13.8
	Process Heating	--	W	W	0	10	0	0	--	15.6
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	28.0
	Machine Drive	--	345	0	W	*	0	0	--	14.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	58	W	3	W	W	0	--	14.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	16	0	*	W	0	0	--	13.9
	Facility Lighting	--	37	--	--	--	--	--	--	1.6
	Facility Support	--	5	W	0	W	0	0	--	19.3
	Onsite Transportation	--	0	--	3	*	W	--	--	6.2
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	4.1
	Other Nonprocess Use	--	0	0	*	0	0	0	--	21.1
	End Use Not Reported	W	*	0	0	W	0	0	W	20.3
29	PETROLEUM and COAL PRODUCTS									
	RSE Column Factors:	NF	0.7	0.9	1.6	0.7	1.0	1.5	NF	
	TOTAL INPUTS	3,263	35,440	11,378	3,652	W	11,719	W	W	6.4
	Indirect Uses-Boiler Fuel	--	W	5,917	372	247	2,415	W	--	8.4
	Direct Uses-Total Process	--	30,618	4,559	2,715	455	8,606	273	--	7.2
	Process Heating	--	800	4,555	2,432	437	8,008	273	--	8.7
	Process Cooling and Refrigeration	--	1,702	1	1	W	W	0	--	21.7
	Machine Drive	--	28,032	3	W	12	168	0	--	15.3
	Electro-Chemical Processes	--	33	--	--	--	--	--	--	1.5
	Other Process Use	--	50	0	W	W	W	0	--	15.4
	Direct Uses-Total Nonprocess	--	2,654	Q	291	78	205	0	--	11.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,239	W	5	5	W	0	--	14.3
	Facility Lighting	--	1,102	--	--	--	--	--	--	1.3
	Facility Support	--	290	W	4	1	W	0	--	15.7
	Onsite Transportation	--	12	--	271	0	W	--	--	5.2
	Conventional Electricity Generation	--	--	0	Q	72	W	0	--	6.7
	Other Nonprocess Use	--	11	0	Q	*	W	0	--	24.1
	End Use Not Reported	2,203	W	899	274	W	493	0	W	18.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
2911	Petroleum Refining									
	RSE Column Factors:	NF	0.9	0.9	1.3	0.9	1.3	0.8	NF	
	TOTAL INPUTS	3,153	33,335	10,891	1,159	734	W	W	2,161	5.7
	Indirect Uses-Boiler Fuel	--	W	5,580	178	236	2,303	W	--	7.1
	Direct Uses-Total Process	--	29,051	4,452	896	417	8,321	0	--	5.3
	Process Heating	--	500	4,452	834	402	7,724	0	--	6.8
	Process Cooling and Refrigeration	--	1,727	0	0	W	W	0	--	11.8
	Machine Drive	--	26,751	0	W	10	167	0	--	7.3
	Electro-Chemical Processes	--	29	--	--	--	--	--	--	1.5
	Other Process Use	--	44	0	W	W	W	0	--	12.5
	Direct Uses-Total Nonprocess	--	2,282	W	46	W	W	0	--	9.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	W	0	0	W	W	0	--	8.0
	Facility Lighting	--	948	--	--	--	--	--	--	1.3
	Facility Support	--	216	W	W	1	W	0	--	12.9
	Onsite Transportation	--	12	--	44	0	W	--	--	4.3
	Conventional Electricity Generation	--	--	0	*	71	W	0	--	6.1
	Other Nonprocess Use	--	W	0	W	*	W	0	--	17.3
	End Use Not Reported	2,178	W	W	38	W	W	0	2,161	15.0
30	RUBBER and MISC. PLASTICS PRODUCTS									
	RSE Column Factors:	NF	0.6	1.1	1.6	1.0	1.2	0.7	NF	
	TOTAL INPUTS	286	43,749	1,600	540	107	824	219	6	7.2
	Indirect Uses-Boiler Fuel	--	240	1,303	306	55	29	218	--	11.6
	Direct Uses-Total Process	--	33,325	212	Q	25	194	0	--	10.3
	Process Heating	--	7,185	117	Q	22	144	0	--	12.8
	Process Cooling and Refrigeration	--	3,051	0	*	*	W	0	--	17.4
	Machine Drive	--	22,789	96	17	1	47	0	--	18.9
	Electro-Chemical Processes	--	98	--	--	--	--	--	--	1.7
	Other Process Use	--	202	0	Q	1	W	0	--	34.1
	Direct Uses-Total Nonprocess	--	8,057	43	127	21	557	Q	--	9.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3,702	43	50	20	79	W	--	14.0
	Facility Lighting	--	3,352	--	--	--	--	--	--	1.3
	Facility Support	--	863	*	2	1	3	W	--	14.7
	Onsite Transportation	--	107	--	55	*	473	--	--	5.6
	Conventional Electricity Generation	--	--	0	Q	1	0	0	--	7.7
	Other Nonprocess Use	--	33	*	Q	*	Q	0	--	38.9
	End Use Not Reported	20	2,127	42	31	6	44	0	6	20.9
3011	Tires and Inner Tubes									
	RSE Column Factors:	NF	0.8	0.8	1.3	1.2	1.2	1.0	NF	
	TOTAL INPUTS	48	4,664	720	115	22	95	81	2	10.3
	Indirect Uses-Boiler Fuel	--	W	W	W	20	*	80	--	13.7
	Direct Uses-Total Process	--	3,409	W	W	*	6	0	--	11.0
	Process Heating	--	44	W	0	*	3	0	--	18.2
	Process Cooling and Refrigeration	--	215	0	0	0	0	0	--	11.5
	Machine Drive	--	3,150	0	W	*	3	0	--	10.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	*	0	0	--	8.4
	Direct Uses-Total Nonprocess	--	1,033	W	W	1	W	Q	--	9.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	462	W	0	1	W	W	--	8.2
	Facility Lighting	--	478	--	--	--	--	--	--	1.3
	Facility Support	--	62	0	W	*	0	W	--	11.7
	Onsite Transportation	--	32	--	W	0	86	--	--	3.6
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.2
	Other Nonprocess Use	--	0	0	W	*	0	0	--	7.1
	End Use Not Reported	4	W	W	W	1	W	0	2	11.4

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
308	Miscellaneous Plastics Products, nec.									
	RSE Column Factors:	NF	0.7	1.1	1.4	1.0	1.3	0.7	NF	
	TOTAL INPUTS	192	33,961	497	262	62	632	82	4	10.9
	Indirect Uses-Boiler Fuel	--	W	285	110	24	12	82	--	18.1
	Direct Uses-Total Process	--	26,249	168	W	18	161	0	--	12.1
	Process Heating	--	6,290	Q	Q	17	120	0	--	10.7
	Process Cooling and Refrigeration	--	2,570	0	*	*	W	0	--	20.0
	Machine Drive	--	17,102	95	W	1	38	0	--	20.5
	Electro-Chemical Processes	--	92	--	--	--	--	--	--	1.8
	Other Process Use	--	194	0	*	1	W	0	--	34.9
	Direct Uses-Total Nonprocess	--	5,870	W	W	16	W	0	--	11.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	2,702	W	25	14	W	0	--	15.6
	Facility Lighting	--	2,389	--	--	--	--	--	--	1.3
	Facility Support	--	682	0	W	*	2	0	--	16.7
	Onsite Transportation	--	64	--	W	*	342	--	--	7.2
	Conventional Electricity Generation	--	--	0	W	1	0	0	--	7.2
	Other Nonprocess Use	--	33	0	W	*	Q	0	--	38.5
	End Use Not Reported	14	W	W	24	4	W	0	4	27.9
31	LEATHER and LEATHER PRODUCTS									
	RSE Column Factors:	NF	1.0	0.7	1.8	0.9	1.7	0.5	NF	
	TOTAL INPUTS	W	828	250	W	W	W	0	*	15.0
	Indirect Uses-Boiler Fuel	--	13	246	20	2	W	0	--	25.2
	Direct Uses-Total Process	--	533	0	18	1	11	0	--	18.7
	Process Heating	--	28	0	Q	1	11	0	--	23.0
	Process Cooling and Refrigeration	--	20	0	0	*	0	0	--	34.1
	Machine Drive	--	485	0	0	*	*	0	--	18.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	*	0	Q	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	206	Q	5	W	14	0	--	17.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	99	Q	5	W	8	0	--	20.9
	Facility Lighting	--	92	--	--	--	--	--	--	1.6
	Facility Support	--	14	0	*	1	*	0	--	26.4
	Onsite Transportation	--	*	--	*	0	6	--	--	5.2
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.0
	Other Nonprocess Use	--	Q	0	0	0	0	0	--	0.0
	End Use Not Reported	1	76	Q	W	W	Q	0	*	40.0
32	STONE, CLAY and GLASS PRODUCTS									
	RSE Column Factors:	NF	0.7	1.0	1.4	0.8	1.6	0.8	NF	
	TOTAL INPUTS	945	36,018	1,187	3,917	419	1,057	12,423	83	6.8
	Indirect Uses-Boiler Fuel	--	174	112	205	19	37	11	--	24.3
	Direct Uses-Total Process	--	30,544	1,069	1,453	369	608	11,933	--	7.7
	Process Heating	--	8,403	1,064	782	358	553	11,929	--	8.5
	Process Cooling and Refrigeration	--	848	0	*	1	W	0	--	21.6
	Machine Drive	--	21,201	Q	659	8	54	4	--	19.1
	Electro-Chemical Processes	--	82	--	--	--	--	--	--	1.9
	Other Process Use	--	10	0	11	1	W	0	--	19.9
	Direct Uses-Total Nonprocess	--	4,189	Q	1,951	21	362	Q	--	7.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,670	Q	55	18	73	Q	--	11.7
	Facility Lighting	--	1,967	--	--	--	--	--	--	1.3
	Facility Support	--	474	0	Q	2	5	0	--	11.3
	Onsite Transportation	--	47	--	1,759	*	284	--	--	6.3
	Conventional Electricity Generation	--	--	0	Q	1	*	0	--	10.6
	Other Nonprocess Use	--	29	0	Q	*	*	0	--	33.3
	End Use Not Reported	109	1,111	Q	307	10	50	473	83	23.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
3211	Flat Glass									
	RSE Column Factors:	NF	0.9	1.1	1.5	0.9	1.5	0.5	NF	
	TOTAL INPUTS	52	1,468	244	11	44	20	0	*	15.0
	Indirect Uses-Boiler Fuel	--	8	0	*	1	0	0	--	30.8
	Direct Uses-Total Process	--	1,258	244	6	41	10	0	--	18.6
	Process Heating	--	593	244	5	41	9	0	--	19.4
	Process Cooling and Refrigeration	--	74	0	*	*	0	0	--	26.7
	Machine Drive	--	591	0	*	*	1	0	--	27.0
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	*	0	*	0	--	23.8
	Direct Uses-Total Nonprocess	--	203	0	5	1	10	0	--	12.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	67	0	0	1	*	0	--	20.0
	Facility Lighting	--	96	--	--	--	--	--	--	1.5
	Facility Support	--	19	0	*	*	*	0	--	24.0
	Onsite Transportation	--	15	--	4	0	10	--	--	5.0
	Conventional Electricity Generation	--	--	0	1	0	0	0	--	3.9
	Other Nonprocess Use	--	5	0	0	0	0	0	--	47.7
	End Use Not Reported	*	*	0	0	0	1	0	*	33.7
3221	Glass Containers									
	RSE Column Factors:	NF	1.1	0.9	1.7	0.8	1.4	0.5	NF	
	TOTAL INPUTS	83	4,268	336	75	64	98	0	*	5.8
	Indirect Uses-Boiler Fuel	--	W	0	W	*	0	0	--	12.4
	Direct Uses-Total Process	--	3,772	336	W	60	51	0	--	6.5
	Process Heating	--	1,491	336	W	60	W	0	--	6.8
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	8.8
	Machine Drive	--	2,233	0	*	*	W	0	--	11.1
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.7
	Other Process Use	--	W	0	0	0	0	0	--	21.1
	Direct Uses-Total Nonprocess	--	W	0	W	3	W	0	--	5.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	144	0	W	2	W	0	--	8.9
	Facility Lighting	--	303	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	*	1	0	0	--	7.8
	Onsite Transportation	--	W	--	W	0	44	--	--	4.4
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	*	0	*	0	W	0	*	10.1
3229	Pressed and Blown Glass, nec.									
	RSE Column Factors:	NF	1.2	1.0	1.5	0.9	1.3	0.5	NF	
	TOTAL INPUTS	63	3,233	W	57	49	W	0	*	8.5
	Indirect Uses-Boiler Fuel	--	4	W	W	2	*	0	--	14.7
	Direct Uses-Total Process	--	2,683	W	W	45	19	0	--	10.2
	Process Heating	--	1,040	W	W	43	W	0	--	11.1
	Process Cooling and Refrigeration	--	231	0	0	0	0	0	--	5.8
	Machine Drive	--	1,389	0	*	2	W	0	--	10.3
	Electro-Chemical Processes	--	23	--	--	--	--	--	--	1.7
	Other Process Use	--	0	0	W	0	*	0	--	13.6
	Direct Uses-Total Nonprocess	--	546	0	13	2	W	0	--	6.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	253	0	0	2	W	0	--	7.8
	Facility Lighting	--	241	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	W	*	0	0	--	11.8
	Onsite Transportation	--	W	--	W	*	20	--	--	4.2
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.4
	Other Nonprocess Use	--	W	0	W	0	0	0	--	15.1
	End Use Not Reported	*	*	0	*	0	*	0	*	13.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
3241	Cement, Hydraulic									
	RSE Column Factors:	NF	0.8	1.0	1.4	1.2	1.3	0.6	NF	
	TOTAL INPUTS	329	10,784	158	820	24	9	9,174	59	11.7
	Indirect Uses-Boiler Fuel	--	6	0	13	1	0	0	--	37.2
	Direct Uses-Total Process	--	9,773	158	357	21	3	8,885	--	15.1
	Process Heating	--	677	158	317	21	2	8,881	--	18.7
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	23.1
	Machine Drive	--	8,963	0	39	*	1	4	--	22.2
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	0	0	0	--	54.0
	Direct Uses-Total Nonprocess	--	486	0	389	1	5	0	--	10.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	197	0	W	1	2	0	--	16.0
	Facility Lighting	--	221	--	--	--	--	--	--	1.4
	Facility Support	--	68	0	W	*	*	0	--	21.8
	Onsite Transportation	--	1	--	381	0	3	--	--	5.7
	Conventional Electricity Generation	--	--	0	W	*	0	0	--	11.3
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	69	520	0	62	1	1	290	59	28.1
3274	Lime									
	RSE Column Factors:	NF	1.1	1.2	0.9	0.9	1.5	0.6	NF	
	TOTAL INPUTS	96	1,151	105	251	12	5	2,980	11	18.3
	Indirect Uses-Boiler Fuel	--	0	0	*	0	0	0	--	53.4
	Direct Uses-Total Process	--	1,003	Q	88	11	3	2,809	--	20.9
	Process Heating	--	307	Q	42	11	3	2,809	--	22.4
	Process Cooling and Refrigeration	--	2	0	0	0	0	0	--	29.2
	Machine Drive	--	694	0	45	*	*	0	--	27.9
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	93	0	148	*	2	0	--	21.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	47	0	2	*	1	0	--	31.9
	Facility Lighting	--	33	--	--	--	--	--	--	1.6
	Facility Support	--	14	0	0	*	*	0	--	40.9
	Onsite Transportation	--	0	--	145	0	1	--	--	4.4
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	17	55	Q	15	1	*	171	11	34.9
3296	Mineral Wool									
	RSE Column Factors:	NF	1.0	0.8	2.0	0.8	1.3	0.5	NF	
	TOTAL INPUTS	51	3,401	W	9	36	W	0	2	9.9
	Indirect Uses-Boiler Fuel	--	13	W	*	1	*	0	--	19.1
	Direct Uses-Total Process	--	3,143	0	W	34	32	0	--	8.7
	Process Heating	--	1,939	0	W	W	32	0	--	9.2
	Process Cooling and Refrigeration	--	20	0	0	0	0	0	--	12.5
	Machine Drive	--	1,184	0	*	0	0	0	--	9.7
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	W	W	0	0	--	23.9
	Direct Uses-Total Nonprocess	--	246	0	W	1	W	0	--	8.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	100	0	W	1	W	0	--	13.4
	Facility Lighting	--	116	--	--	--	--	--	--	1.5
	Facility Support	--	28	0	*	*	0	0	--	12.3
	Onsite Transportation	--	1	--	W	0	37	--	--	4.8
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.4
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	2	*	0	*	0	*	0	2	11.6

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
33	PRIMARY METAL INDUSTRIES									
	RSE Column Factors:	NF	0.5	1.4	1.1	0.9	1.5	1.0	NF	
	TOTAL INPUTS	2,568	144,466	6,870	2,126	778	1,472	2,327	1,162	6.8
	Indirect Uses-Boiler Fuel	--	377	4,781	175	92	36	1,926	--	10.7
	Direct Uses-Total Process	--	131,473	2,054	W	609	772	W	--	9.6
	Process Heating	--	35,610	2,051	547	587	723	W	--	11.5
	Process Cooling and Refrigeration	--	1,127	0	0	*	0	0	--	17.7
	Machine Drive	--	39,431	3	W	3	42	0	--	10.9
	Electro-Chemical Processes	--	54,834	--	--	--	--	--	--	1.0
	Other Process Use	--	471	0	3	19	7	0	--	19.6
	Direct Uses-Total Nonprocess	--	10,603	35	1,271	56	612	W	--	5.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4,386	W	93	46	89	*	--	13.4
	Facility Lighting	--	4,818	--	--	--	--	--	--	1.2
	Facility Support	--	1,113	2	4	W	12	0	--	14.5
	Onsite Transportation	--	149	--	W	*	507	--	--	5.7
	Conventional Electricity Generation	--	--	0	W	W	3	W	--	3.6
	Other Nonprocess Use	--	137	W	W	1	*	0	--	25.2
	End Use Not Reported	1,190	2,013	0	W	21	52	W	1,162	19.5
331	Blast Furnace and Basic Steel Products									
	RSE Column Factors:	NF	0.70	1.0	1.1	0.7	1.4	1.4	NF	
	TOTAL INPUTS	1,907	53,269	6,680	W	503	W	1,771	1,119	10.8
	Indirect Uses-Boiler Fuel	--	208	4,689	96	65	W	1,532	--	13.4
	Direct Uses-Total Process	--	48,271	1,983	124	405	109	W	--	13.8
	Process Heating	--	22,815	1,980	88	385	W	W	--	15.7
	Process Cooling and Refrigeration	--	446	0	0	*	0	0	--	21.5
	Machine Drive	--	23,278	3	33	2	6	0	--	16.5
	Electro-Chemical Processes	--	1,454	--	--	--	--	--	--	1.5
	Other Process Use	--	278	0	3	18	W	0	--	25.2
	Direct Uses-Total Nonprocess	--	4,336	8	642	28	198	*	--	14.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,656	W	49	22	11	*	--	16.1
	Facility Lighting	--	2,012	--	--	--	--	--	--	1.3
	Facility Support	--	476	*	*	4	7	0	--	17.2
	Onsite Transportation	--	73	--	593	*	Q	--	--	3.3
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	13.9
	Other Nonprocess Use	--	118	W	0	1	*	0	--	27.2
	End Use Not Reported	1,126	454	0	W	4	7	W	1,119	20.4
3312	Blast Furnaces and Steel Mills									
	RSE Column Factors:	NF	0.8	1.1	1.0	0.8	1.1	1.1	NF	
	TOTAL INPUTS	1,824	43,520	6,659	W	462	W	1,598	1,118	8.1
	Indirect Uses-Boiler Fuel	--	151	4,669	91	58	1	1,520	--	13.9
	Direct Uses-Total Process	--	39,846	1,983	110	377	32	W	--	10.0
	Process Heating	--	18,116	1,980	88	357	W	W	--	10.9
	Process Cooling and Refrigeration	--	354	0	0	*	0	0	--	19.8
	Machine Drive	--	19,877	3	W	2	1	0	--	13.6
	Electro-Chemical Processes	--	1,229	--	--	--	--	--	--	1.6
	Other Process Use	--	271	0	W	18	W	0	--	24.1
	Direct Uses-Total Nonprocess	--	3,418	8	595	23	48	0	--	8.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,233	W	31	17	11	0	--	14.1
	Facility Lighting	--	1,599	--	--	--	--	--	--	1.3
	Facility Support	--	414	0	0	4	5	0	--	14.7
	Onsite Transportation	--	65	--	564	0	32	--	--	3.9
	Conventional Electricity Generation	--	--	0	0	*	*	0	--	10.2
	Other Nonprocess Use	--	106	W	0	1	*	0	--	25.8
	End Use Not Reported	1,122	105	0	W	3	W	W	1,118	23.9

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
3313	Electrometallurgical Products									
	RSE Column Factors:	NF	2.7	0.4	1.5	1.2	1.4	0.4	NF	
	TOTAL INPUTS	23	4,796	0	21	2	5	Q	Q	19.4
	Indirect Uses-Boiler Fuel	--	0	0	0	*	0	0	--	0.0
	Direct Uses-Total Process	--	4,500	0	Q	2	Q	Q	--	17.7
	Process Heating	--	4,054	0	0	2	Q	Q	--	18.5
	Process Cooling and Refrigeration	--	Q	0	0	0	0	0	--	0.0
	Machine Drive	--	400	0	Q	0	*	0	--	15.0
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	1.2
	Other Process Use	--	Q	0	0	*	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	161	0	12	*	4	0	--	20.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	107	0	0	*	*	0	--	18.3
	Facility Lighting	--	49	--	--	--	--	--	--	1.8
	Facility Support	--	5	0	0	*	0	0	--	16.8
	Onsite Transportation	--	0	--	12	0	4	--	--	8.4
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.4
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	1	Q	0	0	*	*	0	Q	0.0
3321	Gray and Ductile Iron Foundries									
	RSE Column Factors:	NF	1.1	0.9	1.4	0.7	1.2	0.9	NF	
	TOTAL INPUTS	92	8,820	Q	113	32	141	5	28	11.3
	Indirect Uses-Boiler Fuel	--	38	0	Q	2	W	0	--	31.8
	Direct Uses-Total Process	--	7,158	*	28	20	56	5	--	16.9
	Process Heating	--	4,292	*	18	20	W	5	--	18.2
	Process Cooling and Refrigeration	--	35	0	0	0	0	0	--	16.6
	Machine Drive	--	2,819	*	9	*	W	0	--	26.9
	Electro-Chemical Processes	--	8	--	--	--	--	--	--	1.8
	Other Process Use	--	Q	0	*	*	W	0	--	35.2
	Direct Uses-Total Nonprocess	--	1,286	Q	W	9	68	0	--	10.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	595	Q	4	8	15	0	--	19.5
	Facility Lighting	--	542	--	--	--	--	--	--	1.5
	Facility Support	--	112	0	1	*	1	0	--	20.9
	Onsite Transportation	--	19	--	67	0	52	--	--	5.2
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	5.2
	Other Nonprocess Use	--	17	0	0	0	*	0	--	34.2
	End Use Not Reported	30	339	0	W	Q	W	0	28	34.6
3331	Primary Copper									
	RSE Column Factors:	NF	1.0	1.0	1.0	1.0	1.0	1.0	NF	
	TOTAL INPUTS	32	1,581	W	W	21	W	W	W	1.0
	Indirect Uses-Boiler Fuel	--	0	0	0	8	0	W	--	1.0
	Direct Uses-Total Process	--	1,395	W	W	11	0	W	--	1.0
	Process Heating	--	W	W	W	11	0	W	--	1.0
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	1.0
	Machine Drive	--	734	0	W	0	0	0	--	1.0
	Electro-Chemical Processes	--	257	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	*	0	0	--	1.0
	Direct Uses-Total Nonprocess	--	186	0	W	3	W	W	--	1.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	74	0	0	W	0	0	--	1.0
	Facility Lighting	--	80	--	--	--	--	--	--	1.0
	Facility Support	--	31	0	0	*	0	0	--	1.0
	Onsite Transportation	--	0	--	184	0	W	--	--	1.0
	Conventional Electricity Generation	--	--	0	W	W	0	W	--	1.0
	Other Nonprocess Use	--	0	0	W	0	0	0	--	1.0
	End Use Not Reported	W	*	0	W	0	0	0	W	1.0

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
3334	Primary Aluminum									
	RSE Column Factors:	NF	0.9	0.9	1.0	1.5	0.9	0.9	NF	
	TOTAL INPUTS	201	53,552	W	125	16	W	0	W	1.6
	Indirect Uses-Boiler Fuel	--	W	W	W	W	W	0	--	1.0
	Direct Uses-Total Process	--	52,260	0	W	14	27	0	--	1.5
	Process Heating	--	W	0	W	14	W	0	--	1.5
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	1.1
	Machine Drive	--	1,355	0	W	*	W	0	--	1.3
	Electro-Chemical Processes	--	50,614	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	0	0	0	--	1.1
	Direct Uses-Total Nonprocess	--	W	0	98	1	W	0	--	1.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	595	0	0	*	1	0	--	0.9
	Facility Lighting	--	569	--	--	--	--	--	--	1.0
	Facility Support	--	W	0	0	*	*	0	--	0.9
	Onsite Transportation	--	W	--	98	0	W	--	--	1.2
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	1	W	0	0	W	*	0	W	0.9
3339	Primary Nonferrous Metals, nec.									
	RSE Column Factors:	NF	1.4	0.7	1.1	1.1	1.2	0.7	NF	
	TOTAL INPUTS	38	4,151	W	W	12	17	361	4	14.6
	Indirect Uses-Boiler Fuel	--	W	W	10	W	*	361	--	23.6
	Direct Uses-Total Process	--	3,559	0	21	9	9	0	--	11.5
	Process Heating	--	974	0	W	9	9	0	--	13.6
	Process Cooling and Refrigeration	--	67	0	0	0	0	0	--	13.2
	Machine Drive	--	559	0	W	*	*	0	--	14.8
	Electro-Chemical Processes	--	1,959	--	--	--	--	--	--	1.5
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	208	0	W	*	8	0	--	9.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	112	0	0	*	W	0	--	12.2
	Facility Lighting	--	79	--	--	--	--	--	--	1.4
	Facility Support	--	14	0	*	*	W	0	--	16.8
	Onsite Transportation	--	3	--	W	*	6	--	--	7.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.7
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	5	W	0	1	W	*	0	4	20.4
3353	Aluminum Sheet, Plate, and Foil									
	RSE Column Factors:	NF	1.2	0.6	1.3	0.8	1.2	1.0	NF	
	TOTAL INPUTS	73	4,835	0	W	51	54	W	W	5.1
	Indirect Uses-Boiler Fuel	--	W	0	0	W	W	W	--	10.7
	Direct Uses-Total Process	--	4,366	0	10	45	11	0	--	5.0
	Process Heating	--	636	0	10	45	11	0	--	5.8
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	4.9
	Machine Drive	--	3,695	0	0	0	0	0	--	3.2
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	*	0	0	--	13.3
	Direct Uses-Total Nonprocess	--	W	0	W	3	W	0	--	4.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	202	0	W	3	W	0	--	7.1
	Facility Lighting	--	185	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	*	*	*	0	--	8.0
	Onsite Transportation	--	W	--	51	0	W	--	--	3.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	W	0	W	W	W	0	W	10.7

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
34	FABRICATED METAL PRODUCTS									
	RSE Column Factors:	NF	0.9	0.8	1.6	0.9	1.5	0.6	NF	
	TOTAL INPUTS	365	33,819	478	747	213	1,334	W	W	12.3
	Indirect Uses-Boiler Fuel	--	376	312	188	38	47	W	--	20.6
	Direct Uses-Total Process	--	23,385	W	W	115	328	W	--	10.3
	Process Heating	--	4,311	Q	191	111	171	W	--	12.1
	Process Cooling and Refrigeration	--	751	0	0	*	W	0	--	23.1
	Machine Drive	--	16,494	W	W	3	105	0	--	16.2
	Electro-Chemical Processes	--	1,549	--	--	--	--	--	--	1.6
	Other Process Use	--	278	0	Q	1	W	0	--	27.4
	Direct Uses-Total Nonprocess	--	8,022	W	251	48	835	W	--	9.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3,413	W	143	45	126	W	--	12.1
	Facility Lighting	--	3,741	--	--	--	--	--	--	1.3
	Facility Support	--	720	0	4	2	5	0	--	16.4
	Onsite Transportation	--	117	--	97	*	701	--	--	5.6
	Conventional Electricity Generation	--	--	0	Q	*	0	0	--	1.1
	Other Nonprocess Use	--	30	0	*	*	2	0	--	29.4
	End Use Not Reported	34	2,037	5	W	13	124	0	W	24.1
35	INDUSTRIAL MACHINERY and EQUIPMENT									
	RSE Column Factors:	NF	0.6	1.1	1.3	0.7	1.2	1.4	NF	
	TOTAL INPUTS	245	32,037	W	672	107	885	484	W	8.5
	Indirect Uses-Boiler Fuel	--	182	319	110	21	27	424	--	15.7
	Direct Uses-Total Process	--	18,305	W	W	38	287	43	--	14.8
	Process Heating	--	3,108	Q	W	35	186	40	--	17.8
	Process Cooling and Refrigeration	--	890	0	1	*	0	3	--	27.8
	Machine Drive	--	14,041	Q	117	2	76	0	--	15.4
	Electro-Chemical Processes	--	108	--	--	--	--	--	--	1.5
	Other Process Use	--	159	W	157	1	25	0	--	30.6
	Direct Uses-Total Nonprocess	--	11,608	69	238	40	510	17	--	13.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	5,559	68	97	39	185	17	--	16.6
	Facility Lighting	--	4,595	--	--	--	--	--	--	1.3
	Facility Support	--	1,269	0	5	2	15	0	--	24.1
	Onsite Transportation	--	78	--	99	*	W	--	--	5.0
	Conventional Electricity Generation	--	--	0	16	*	W	0	--	12.5
	Other Nonprocess Use	--	107	1	22	*	Q	0	--	41.2
	End Use Not Reported	20	1,942	Q	W	8	61	0	W	21.9
357	Computer and Office Equipment									
	RSE Column Factors:	NF	1.3	0.7	2.0	1.2	1.4	0.3	NF	
	TOTAL INPUTS	20	4,179	W	23	5	W	0	*	18.5
	Indirect Uses-Boiler Fuel	--	23	W	13	3	*	0	--	26.3
	Direct Uses-Total Process	--	1,499	0	0	*	0	0	--	20.4
	Process Heating	--	Q	0	0	*	0	0	--	34.0
	Process Cooling and Refrigeration	--	254	0	0	*	0	0	--	22.2
	Machine Drive	--	849	0	0	*	0	0	--	21.6
	Electro-Chemical Processes	--	14	--	--	--	--	--	--	1.8
	Other Process Use	--	102	0	0	*	0	0	--	18.6
	Direct Uses-Total Nonprocess	--	2,458	0	10	1	W	0	--	14.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,267	0	*	1	Q	0	--	17.3
	Facility Lighting	--	728	--	--	--	--	--	--	1.5
	Facility Support	--	385	0	*	*	*	0	--	19.9
	Onsite Transportation	--	5	--	*	0	W	--	--	9.1
	Conventional Electricity Generation	--	--	0	8	0	0	0	--	4.1
	Other Nonprocess Use	--	74	0	Q	*	Q	0	--	24.8
	End Use Not Reported	1	199	0	0	*	*	0	*	34.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
36	ELECTRONIC and OTHER ELECTRIC EQUIPMENT									
	RSE Column Factors:	NF	0.7	1.1	1.5	0.7	1.3	0.9	NF	
	TOTAL INPUTS	230	33,148	415	290	84	622	W	W	10.6
	Indirect Uses-Boiler Fuel	--	214	296	174	29	23	W	--	15.6
	Direct Uses-Total Process	--	18,668	44	W	34	323	W	--	17.2
	Process Heating	--	5,486	Q	14	32	280	W	--	17.8
	Process Cooling and Refrigeration	--	1,913	17	*	*	0	0	--	25.8
	Machine Drive	--	9,671	0	W	1	11	0	--	21.2
	Electro-Chemical Processes	--	1,344	--	--	--	--	--	--	1.5
	Other Process Use	--	255	0	W	1	Q	0	--	31.0
	Direct Uses-Total Nonprocess	--	13,081	75	66	19	261	0	--	12.6
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	7,248	75	47	18	64	0	--	14.7
	Facility Lighting	--	4,414	--	--	--	--	--	--	1.3
	Facility Support	--	1,301	0	*	1	38	0	--	19.1
	Onsite Transportation	--	80	--	W	*	159	--	--	4.9
	Conventional Electricity Generation	--	--	0	W	*	W	0	--	1.5
	Other Nonprocess Use	--	38	0	*	*	W	0	--	27.8
	End Use Not Reported	Q	1,185	*	W	2	15	0	W	27.7
37	TRANSPORTATION EQUIPMENT									
	RSE Column Factors:	NF	0.6	1.2	1.3	0.7	1.4	1.2	NF	
	TOTAL INPUTS	358	38,773	1,781	1,123	150	W	1,245	W	9.6
	Indirect Uses-Boiler Fuel	--	510	910	430	50	W	1,225	--	14.5
	Direct Uses-Total Process	--	22,105	152	W	61	217	12	--	16.0
	Process Heating	--	3,437	152	W	59	175	12	--	18.3
	Process Cooling and Refrigeration	--	1,604	0	*	*	0	0	--	28.8
	Machine Drive	--	15,361	0	99	1	27	0	--	19.4
	Electro-Chemical Processes	--	596	--	--	--	--	--	--	1.5
	Other Process Use	--	1,108	0	150	1	14	0	--	24.3
	Direct Uses-Total Nonprocess	--	14,951	719	398	33	629	8	--	14.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	6,914	261	75	30	191	8	--	18.8
	Facility Lighting	--	6,303	--	--	--	--	--	--	1.3
	Facility Support	--	1,322	W	23	2	5	0	--	19.7
	Onsite Transportation	--	160	--	167	*	431	--	--	5.0
	Conventional Electricity Generation	--	--	W	114	1	*	0	--	16.1
	Other Nonprocess Use	--	252	126	18	*	2	0	--	31.6
	End Use Not Reported	33	1,208	0	W	6	43	0	W	22.6
3711	Motor Vehicles and Car Bodies									
	RSE Column Factors:	NF	1.2	0.6	2.0	0.8	1.8	0.5	NF	
	TOTAL INPUTS	105	8,845	300	81	51	88	571	8	20.4
	Indirect Uses-Boiler Fuel	--	368	300	17	13	6	571	--	28.3
	Direct Uses-Total Process	--	5,569	0	Q	28	9	0	--	14.7
	Process Heating	--	585	0	0	28	9	0	--	17.6
	Process Cooling and Refrigeration	--	568	0	0	*	0	0	--	14.1
	Machine Drive	--	3,786	0	Q	*	0	0	--	19.4
	Electro-Chemical Processes	--	224	--	--	--	--	--	--	1.7
	Other Process Use	--	407	0	0	0	0	0	--	16.6
	Direct Uses-Total Nonprocess	--	2,598	0	29	9	66	0	--	14.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,414	0	Q	8	30	0	--	16.3
	Facility Lighting	--	940	--	--	--	--	--	--	1.5
	Facility Support	--	182	0	*	1	2	0	--	21.3
	Onsite Transportation	--	58	--	27	0	33	--	--	7.6
	Conventional Electricity Generation	--	--	0	1	0	0	0	--	3.9
	Other Nonprocess Use	--	5	0	*	0	0	0	--	39.7
	End Use Not Reported	9	311	0	*	0	7	0	8	24.5

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
3714	Motor Vehicle Parts and Accessories									
	RSE Column Factors:	NF	0.8	0.8	1.4	0.7	1.6	1.1	NF	
	TOTAL INPUTS	117	13,417	W	166	53	W	444	W	17.2
	Indirect Uses-Boiler Fuel	--	88	W	119	15	W	425	--	21.5
	Direct Uses-Total Process	--	9,048	0	W	24	75	12	--	16.4
	Process Heating	--	1,468	0	W	23	43	12	--	18.8
	Process Cooling and Refrigeration	--	365	0	0	*	0	0	--	29.1
	Machine Drive	--	6,693	0	1	*	23	0	--	16.5
	Electro-Chemical Processes	--	87	--	--	--	--	--	--	1.6
	Other Process Use	--	436	0	15	*	9	0	--	35.2
	Direct Uses-Total Nonprocess	--	4,080	0	25	12	288	8	--	19.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1,866	0	Q	11	20	8	--	20.0
	Facility Lighting	--	1,672	--	--	--	--	--	--	1.4
	Facility Support	--	371	0	1	1	*	0	--	19.1
	Onsite Transportation	--	54	--	9	*	266	--	--	5.7
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	5.7
	Other Nonprocess Use	--	117	0	*	0	Q	0	--	38.9
	End Use Not Reported	7	201	0	W	2	10	0	W	32.1
38	INSTRUMENTS and RELATED PRODUCTS									
	RSE Column Factors:	NF	0.6	0.9	1.2	1.0	1.7	0.9	NF	
	TOTAL INPUTS	106	13,490	589	238	W	W	1,065	W	14.6
	Indirect Uses-Boiler Fuel	--	W	532	120	13	W	1,061	--	18.7
	Direct Uses-Total Process	--	5,295	Q	Q	5	13	0	--	13.1
	Process Heating	--	855	Q	Q	4	12	0	--	14.5
	Process Cooling and Refrigeration	--	916	0	0	*	0	0	--	22.1
	Machine Drive	--	3,197	0	*	*	Q	0	--	14.4
	Electro-Chemical Processes	--	100	--	--	--	--	--	--	1.5
	Other Process Use	--	227	0	*	*	*	0	--	35.8
	Direct Uses-Total Nonprocess	--	6,601	44	91	9	61	0	--	17.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3,248	44	61	8	51	0	--	19.7
	Facility Lighting	--	2,373	--	--	--	--	--	--	1.3
	Facility Support	--	761	0	28	1	2	0	--	17.5
	Onsite Transportation	--	38	--	1	*	8	--	--	6.0
	Conventional Electricity Generation	--	--	0	1	*	*	0	--	10.5
	Other Nonprocess Use	--	181	0	*	*	*	0	--	21.7
	End Use Not Reported	9	W	0	19	W	3	Q	W	20.9
3841	Surgical and Medical Instruments									
	RSE Column Factors:	NF	0.9	0.9	1.8	1.0	1.6	0.5	NF	
	TOTAL INPUTS	7	1,347	16	13	2	30	0	*	19.4
	Indirect Uses-Boiler Fuel	--	13	16	11	1	*	0	--	23.2
	Direct Uses-Total Process	--	503	0	*	*	12	0	--	18.7
	Process Heating	--	72	0	*	*	12	0	--	22.5
	Process Cooling and Refrigeration	--	79	0	0	*	0	0	--	11.4
	Machine Drive	--	335	0	*	*	*	0	--	21.9
	Electro-Chemical Processes	--	7	--	--	--	--	--	--	1.8
	Other Process Use	--	10	0	*	*	0	0	--	31.9
	Direct Uses-Total Nonprocess	--	733	0	2	1	Q	0	--	13.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	408	0	1	1	Q	0	--	14.6
	Facility Lighting	--	226	--	--	--	--	--	--	1.4
	Facility Support	--	63	0	*	*	*	0	--	17.7
	Onsite Transportation	--	Q	--	*	0	Q	--	--	3.4
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	7.7
	Other Nonprocess Use	--	34	0	0	0	*	0	--	31.6
	End Use Not Reported	1	Q	0	*	*	*	0	*	28.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 1 (Continued)
(Estimates in Btu or Physical Units)

SIC Code ^a	End-Use Categories	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel ^c (1000 bbl)	Natural Gas ^d (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
39	MISC. MANUFACTURING INDUSTRIES									
	RSE Column Factors:	NF	1.2	0.6	1.6	0.9	1.6	0.7	NF	
	TOTAL INPUTS	51	5,575	142	209	19	W	37	W	19.6
	Indirect Uses-Boiler Fuel	--	34	106	66	5	W	37	--	30.0
	Direct Uses-Total Process	--	3,025	Q	W	7	34	0	--	12.9
	Process Heating	--	626	Q	W	6	28	0	--	14.8
	Process Cooling and Refrigeration	--	279	0	0	W	0	0	--	11.3
	Machine Drive	--	2,058	0	*	*	4	0	--	18.5
	Electro-Chemical Processes	--	47	--	--	--	--	--	--	1.8
	Other Process Use	--	16	0	2	W	2	0	--	33.5
	Direct Uses-Total Nonprocess	--	2,108	Q	Q	5	64	0	--	12.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	937	Q	33	5	Q	0	--	14.6
	Facility Lighting	--	896	--	--	--	--	--	--	1.6
	Facility Support	--	208	0	*	*	3	0	--	20.1
	Onsite Transportation	--	15	--	Q	*	41	--	--	5.2
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	5.0
	Other Nonprocess Use	--	52	0	0	*	0	0	--	33.0
	End Use Not Reported	Q	408	Q	W	1	Q	0	W	25.9

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 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 producers, brokers, and marketers.

^e "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.

^f Excludes steam and hot water.

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.

-- Estimation of energy input is not applicable.

S=Negative value.

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 for the production of heat and power, 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. • Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
20-39 ALL INDUSTRY GROUPS										
	RSE Column Factors:	NF	0.5	1.3	1.4	0.8	1.2	1.2	NF	
	TOTAL INPUTS	16,515	2,656	441	152	6,141	99	1,198	5,828	2.7
	Indirect Uses-Boiler Fuel	--	28	313	42	2,396	15	875	--	4.0
	Direct Uses-Total Process	--	2,075	106	51	2,872	54	302	--	3.8
	Process Heating	--	284	103	29	2,702	49	299	--	4.1
	Process Cooling and Refrigeration	--	138	*	*	21	2	*	--	17.5
	Machine Drive	--	1,367	3	18	95	3	3	--	7.7
	Electro-Chemical Processes	--	271	--	--	--	--	--	--	1.1
	Other Process Use	--	15	*	4	53	1	*	--	16.1
	Direct Uses-Total Nonprocess	--	457	14	49	726	25	8	--	5.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	217	5	7	351	5	3	--	6.5
	Facility Lighting	--	185	--	--	--	--	--	--	1.1
	Facility Support	--	46	3	1	30	1	*	--	12.1
	Onsite Transportation	--	4	--	35	1	19	--	--	3.9
	Conventional Electricity Generation	--	--	5	4	335	1	6	--	8.3
	Other Nonprocess Use	--	4	1	2	9	*	0	--	16.9
	End Use Not Reported	6,106	96	9	9	148	4	13	5,828	8.8
20 FOOD and KINDRED PRODUCTS										
	RSE Column Factors:	NF	0.6	1.3	1.8	0.9	1.2	0.7	NF	
	TOTAL INPUTS	1,183	198	30	19	630	6	165	136	5.8
	Indirect Uses-Boiler Fuel	--	3	26	10	366	2	154	--	8.1
	Direct Uses-Total Process	--	152	3	2	187	2	10	--	7.9
	Process Heating	--	8	3	1	178	2	W	--	9.0
	Process Cooling and Refrigeration	--	48	0	*	1	W	0	--	12.5
	Machine Drive	--	95	*	1	6	*	W	--	15.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	*	*	*	1	W	*	--	19.2
	Direct Uses-Total Nonprocess	--	32	*	6	56	2	1	--	10.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	14	W	1	35	*	W	--	15.5
	Facility Lighting	--	13	--	--	--	--	--	--	1.2
	Facility Support	--	3	*	*	5	*	W	--	21.0
	Onsite Transportation	--	*	--	3	*	2	--	--	4.4
	Conventional Electricity Generation	--	--	W	1	15	*	1	--	12.1
	Other Nonprocess Use	--	*	0	*	1	*	0	--	47.0
	End Use Not Reported	169	11	*	1	20	*	Q	136	16.2
2011 Meat Packing Plants										
	RSE Column Factors:	NF	1.0	1.1	1.6	0.9	1.5	0.4	NF	
	TOTAL INPUTS	53	13	1	1	36	W	W	2	12.2
	Indirect Uses-Boiler Fuel	--	*	1	*	25	*	*	--	14.9
	Direct Uses-Total Process	--	11	*	*	8	*	W	--	15.1
	Process Heating	--	*	*	*	7	*	W	--	17.0
	Process Cooling and Refrigeration	--	7	0	*	*	0	0	--	13.5
	Machine Drive	--	4	0	0	*	*	0	--	13.9
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	*	*	*	0	--	28.8
	Direct Uses-Total Nonprocess	--	2	*	*	2	W	W	--	12.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	*	*	2	*	W	--	16.9
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Facility Support	--	*	*	*	*	W	0	--	25.8
	Onsite Transportation	--	*	--	*	0	*	--	--	4.5
	Conventional Electricity Generation	--	--	0	0	*	0	0	--	6.0
	Other Nonprocess Use	--	0	0	*	0	*	0	--	0.0
	End Use Not Reported	3	*	0	0	1	0	0	2	29.7

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2033	Canned Fruits and Vegetables									
	RSE Column Factors:	NF	0.8	0.8	1.8	0.9	1.2	0.8	NF	
	TOTAL INPUTS	51	5	2	1	43	W	W	*	13.6
	Indirect Uses-Boiler Fuel	--	*	1	*	35	*	W	--	20.9
	Direct Uses-Total Process	--	4	*	*	2	*	0	--	24.1
	Process Heating	--	*	*	0	2	*	0	--	29.0
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	22.3
	Machine Drive	--	3	0	*	*	*	0	--	21.6
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	0	*	0	0	--	42.9
	Direct Uses-Total Nonprocess	--	1	*	*	6	W	0	--	12.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	*	*	2	W	0	--	17.2
	Facility Lighting	--	*	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	*	*	W	0	--	20.3
	Onsite Transportation	--	*	--	*	0	*	--	--	5.7
	Conventional Electricity Generation	--	--	0	*	4	0	0	--	9.6
	Other Nonprocess Use	--	0	0	0	0	*	0	--	0.0
	End Use Not Reported	1	*	*	*	*	*	0	*	21.5
2037	Frozen Fruits and Vegetables									
	RSE Column Factors:	NF	1.1	1.1	1.8	0.8	1.4	0.4	NF	
	TOTAL INPUTS	42	10	1	*	28	*	0	2	13.5
	Indirect Uses-Boiler Fuel	--	*	1	*	21	*	0	--	19.1
	Direct Uses-Total Process	--	9	Q	*	5	*	0	--	13.3
	Process Heating	--	*	Q	*	5	*	0	--	18.0
	Process Cooling and Refrigeration	--	4	0	*	*	0	0	--	16.2
	Machine Drive	--	4	0	*	*	*	0	--	13.1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	*	0	0	0	--	22.6
	Direct Uses-Total Nonprocess	--	1	*	*	1	*	0	--	15.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	*	*	1	*	0	--	20.7
	Facility Lighting	--	1	--	--	--	--	--	--	1.5
	Facility Support	--	*	*	0	*	*	0	--	26.3
	Onsite Transportation	--	*	--	*	0	*	--	--	5.9
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.2
	Other Nonprocess Use	--	*	0	*	0	0	0	--	30.8
	End Use Not Reported	2	0	*	*	*	*	0	2	37.7
2046	Wet Corn Milling									
	RSE Column Factors:	NF	1.1	0.8	1.7	0.9	1.5	0.5	NF	
	TOTAL INPUTS	173	19	1	*	68	*	78	5	18.1
	Indirect Uses-Boiler Fuel	--	*	1	*	35	*	78	--	24.3
	Direct Uses-Total Process	--	17	0	*	33	*	0	--	16.0
	Process Heating	--	*	0	*	33	*	0	--	23.6
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	19.7
	Machine Drive	--	17	0	*	0	0	0	--	14.8
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--	13.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	*	*	0	--	17.9
	Facility Lighting	--	1	--	--	--	--	--	--	1.5
	Facility Support	--	*	0	*	*	0	0	--	25.7
	Onsite Transportation	--	*	--	*	0	*	--	--	6.8
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.5
	Other Nonprocess Use	--	*	0	0	*	0	0	--	41.0
	End Use Not Reported	6	*	0	0	*	0	0	5	35.1

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2051	Bread, Cake, and Related Products									
	RSE Column Factors:	NF	1.0	0.4	2.2	1.2	2.1	0.4	NF	
	TOTAL INPUTS	37	8	*	1	27	*	0	*	11.0
	Indirect Uses-Boiler Fuel	--	*	*	*	5	*	0	--	17.3
	Direct Uses-Total Process	--	6	*	*	19	*	0	--	10.4
	Process Heating	--	1	*	*	18	*	0	--	14.2
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	22.7
	Machine Drive	--	4	0	0	*	0	0	--	8.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.0
	Other Process Use	--	*	0	*	*	0	0	--	20.7
	Direct Uses-Total Nonprocess	--	2	0	1	3	*	0	--	12.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	0	*	2	*	0	--	12.8
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	*	*	*	0	--	18.3
	Onsite Transportation	--	*	--	*	0	*	--	--	8.6
	Conventional Electricity Generation	--	--	0	*	1	*	0	--	9.1
	Other Nonprocess Use	--	*	0	*	0	0	0	--	0.0
	End Use Not Reported	2	*	0	0	1	*	0	*	29.5
2061	Cane Sugar, Except Refining									
	RSE Column Factors:	NF	1.4	0.9	1.0	0.8	1.3	0.8	NF	
	TOTAL INPUTS	105	W	W	1	2	W	W	99	18.1
	Indirect Uses-Boiler Fuel	--	*	2	*	2	*	W	--	19.9
	Direct Uses-Total Process	--	W	*	*	*	*	0	--	26.9
	Process Heating	--	*	W	*	*	0	0	--	27.1
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	26.5
	Machine Drive	--	*	W	*	0	0	0	--	24.6
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.8
	Other Process Use	--	W	0	0	0	*	0	--	22.5
	Direct Uses-Total Nonprocess	--	*	W	1	W	W	0	--	21.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	W	W	0	--	21.3
	Facility Lighting	--	*	--	--	--	--	--	--	1.1
	Facility Support	--	*	0	0	*	0	0	--	27.7
	Onsite Transportation	--	0	--	*	0	*	--	--	4.7
	Conventional Electricity Generation	--	--	W	*	0	0	0	--	8.2
	Other Nonprocess Use	--	*	0	*	0	0	0	--	21.6
	End Use Not Reported	100	W	W	*	W	0	0	99	26.7
2062	Cane Sugar Refining									
	RSE Column Factors:	NF	1.3	0.8	1.7	1.0	1.4	0.4	NF	
	TOTAL INPUTS	23	*	2	1	16	*	0	4	20.9
	Indirect Uses-Boiler Fuel	--	*	2	*	15	*	0	--	22.8
	Direct Uses-Total Process	--	*	*	*	1	*	0	--	25.4
	Process Heating	--	*	*	*	1	*	0	--	27.6
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	28.3
	Machine Drive	--	*	*	*	0	0	0	--	30.7
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--	21.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	*	0	0	--	33.0
	Facility Lighting	--	*	--	--	--	--	--	--	1.7
	Facility Support	--	*	0	*	0	0	0	--	22.3
	Onsite Transportation	--	*	--	*	0	*	--	--	8.5
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	4	0	0	0	0	*	0	4	34.8

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2063	Beet Sugar									
	RSE Column Factors:	NF	0.9	0.9	1.2	1.0	1.1	1.0	NF	
	TOTAL INPUTS	64	1	2	W	19	W	39	2	3.1
	Indirect Uses-Boiler Fuel	--	W	1	*	12	0	29	--	5.3
	Direct Uses-Total Process	--	1	1	W	6	*	10	--	5.0
	Process Heating	--	*	1	W	6	W	W	--	6.0
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	11.2
	Machine Drive	--	1	0	0	*	W	W	--	7.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	*	0	*	*	W	1	--	3.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	*	W	W	--	5.8
	Facility Lighting	--	*	--	--	--	--	--	--	1.2
	Facility Support	--	*	0	0	*	W	W	--	6.6
	Onsite Transportation	--	*	--	*	0	*	--	--	2.6
	Conventional Electricity Generation	--	--	0	*	*	0	W	--	4.8
	Other Nonprocess Use	--	0	0	0	0	*	0	--	9.0
	End Use Not Reported	W	W	0	0	0	0	0	2	11.2
2075	Soybean Oil Mills									
	RSE Column Factors:	NF	1.4	0.8	1.2	1.0	0.9	0.9	NF	
	TOTAL INPUTS	56	6	1	W	30	W	15	3	1.3
	Indirect Uses-Boiler Fuel	--	*	W	*	21	W	W	--	1.4
	Direct Uses-Total Process	--	6	0	W	7	W	W	--	1.0
	Process Heating	--	*	0	W	6	0	W	--	0.9
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	2.9
	Machine Drive	--	5	0	W	0	0	0	--	0.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.0
	Other Process Use	--	*	0	0	1	W	0	--	1.0
	Direct Uses-Total Nonprocess	--	*	W	*	W	W	W	--	1.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	W	0	W	W	0	--	1.0
	Facility Lighting	--	*	--	--	--	--	--	--	1.2
	Facility Support	--	*	*	0	*	0	0	--	1.0
	Onsite Transportation	--	*	--	W	0	W	--	--	2.1
	Conventional Electricity Generation	--	--	0	W	W	0	W	--	0.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	*	0	*	W	*	0	3	0.9
2082	Malt Beverages									
	RSE Column Factors:	NF	1.7	0.2	2.3	1.5	1.3	0.6	NF	
	TOTAL INPUTS	51	8	W	*	22	W	17	*	6.8
	Indirect Uses-Boiler Fuel	--	W	W	*	20	W	17	--	9.0
	Direct Uses-Total Process	--	6	W	*	2	W	0	--	7.9
	Process Heating	--	W	W	0	2	W	0	--	16.5
	Process Cooling and Refrigeration	--	3	0	*	0	0	0	--	5.7
	Machine Drive	--	3	0	0	0	0	0	--	4.2
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1
	Other Process Use	--	W	0	0	0	0	0	--	0.6
	Direct Uses-Total Nonprocess	--	1	W	*	1	W	0	--	10.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	W	*	1	W	0	--	8.1
	Facility Lighting	--	1	--	--	--	--	--	--	1.5
	Facility Support	--	W	0	0	0	0	0	--	13.8
	Onsite Transportation	--	*	--	*	*	W	--	--	5.8
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.6
	Other Nonprocess Use	--	W	0	*	0	0	0	--	2.1
	End Use Not Reported	W	W	0	0	0	*	0	*	12.0

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
21	TOBACCO PRODUCTS									
	RSE Column Factors:	NF	1.0	0.9	1.7	0.8	1.4	0.6	NF	
	TOTAL INPUTS	W	3	1	W	W	W	W	W	23.5
	Indirect Uses-Boiler Fuel	--	W	1	*	2	W	W	--	25.8
	Direct Uses-Total Process	--	2	*	W	1	*	0	--	26.3
	Process Heating	--	*	*	*	1	*	0	--	26.5
	Process Cooling and Refrigeration	--	*	*	0	*	0	0	--	35.9
	Machine Drive	--	2	0	W	*	0	0	--	28.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	*	0	0	*	0	0	--	45.6
	Direct Uses-Total Nonprocess	--	1	*	*	W	*	0	--	29.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	*	0	W	*	0	--	40.6
	Facility Lighting	--	*	--	--	--	--	--	--	1.6
	Facility Support	--	*	*	0	*	0	0	--	42.6
	Onsite Transportation	--	0	--	*	0	*	--	--	5.4
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.8
	Other Nonprocess Use	--	0	0	*	0	*	0	--	24.6
	End Use Not Reported	*	W	0	0	0	0	0	W	0.0
22	TEXTILE MILL PRODUCTS									
	RSE Column Factors:	NF	0.9	0.8	1.3	0.9	1.2	0.9	NF	
	TOTAL INPUTS	310	111	17	W	117	W	40	14	11.9
	Indirect Uses-Boiler Fuel	--	1	15	6	69	W	40	--	15.8
	Direct Uses-Total Process	--	76	1	W	36	3	0	--	15.1
	Process Heating	--	5	1	W	33	3	0	--	19.3
	Process Cooling and Refrigeration	--	7	0	0	*	0	0	--	13.2
	Machine Drive	--	63	*	*	Q	*	0	--	6.6
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.9
	Other Process Use	--	1	0	0	*	*	0	--	54.0
	Direct Uses-Total Nonprocess	--	29	W	*	8	1	W	--	18.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	16	W	*	7	W	W	--	17.0
	Facility Lighting	--	11	--	--	--	--	--	--	1.4
	Facility Support	--	2	W	*	W	W	0	--	27.6
	Onsite Transportation	--	*	--	*	*	W	--	--	8.2
	Conventional Electricity Generation	--	--	0	W	W	W	W	--	14.4
	Other Nonprocess Use	--	*	*	W	0	0	0	--	35.3
	End Use Not Reported	23	6	W	W	3	*	W	14	26.6
23	APPAREL and OTHER TEXTILE PRODUCTS									
	RSE Column Factors:	NF	1.3	0.8	1.7	0.9	1.6	0.4	NF	
	TOTAL INPUTS	56	26	W	1	25	W	W	W	16.3
	Indirect Uses-Boiler Fuel	--	W	*	*	9	*	W	--	26.4
	Direct Uses-Total Process	--	11	W	W	7	*	0	--	10.4
	Process Heating	--	1	0	*	5	*	0	--	17.4
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	19.5
	Machine Drive	--	10	W	W	2	*	0	--	14.5
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.1
	Other Process Use	--	*	0	W	*	*	0	--	53.1
	Direct Uses-Total Nonprocess	--	11	0	*	8	*	0	--	16.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	6	0	*	7	*	0	--	20.0
	Facility Lighting	--	4	--	--	--	--	--	--	1.6
	Facility Support	--	1	0	*	1	*	0	--	17.0
	Onsite Transportation	--	*	--	*	0	*	--	--	8.0
	Conventional Electricity Generation	--	--	0	0	*	0	0	--	0.8
	Other Nonprocess Use	--	*	0	*	*	0	0	--	0.0
	End Use Not Reported	6	W	0	W	2	W	0	W	19.3

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
24	LUMBER and WOOD PRODUCTS									
	RSE Column Factors:	NF	0.8	1.4	1.4	0.8	1.1	0.7	NF	
	TOTAL INPUTS	435	68	W	22	48	W	W	290	8.9
	Indirect Uses-Boiler Fuel	--	1	1	1	15	W	W	--	19.5
	Direct Uses-Total Process	--	53	*	11	24	1	0	--	11.8
	Process Heating	--	3	*	1	21	1	0	--	14.7
	Process Cooling and Refrigeration	--	*	0	0	*	W	0	--	21.8
	Machine Drive	--	49	0	9	1	*	0	--	12.9
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	1	0	Q	Q	W	0	--	22.2
	Direct Uses-Total Nonprocess	--	9	W	8	7	2	0	--	10.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3	W	Q	7	*	0	--	15.5
	Facility Lighting	--	4	--	--	--	--	--	--	1.3
	Facility Support	--	1	0	*	*	*	0	--	23.3
	Onsite Transportation	--	*	--	7	*	2	--	--	4.5
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	5.3
	Other Nonprocess Use	--	*	0	*	*	*	0	--	35.2
	End Use Not Reported	300	5	0	2	3	*	0	290	16.0
2421	Sawmills and Planing Mills, General									
	RSE Column Factors:	NF	0.7	1.0	1.4	1.1	1.5	0.6	NF	
	TOTAL INPUTS	198	22	W	7	11	W	0	157	13.0
	Indirect Uses-Boiler Fuel	--	*	*	*	5	W	0	--	27.6
	Direct Uses-Total Process	--	18	*	2	5	*	0	--	14.4
	Process Heating	--	1	*	*	5	*	0	--	20.0
	Process Cooling and Refrigeration	--	*	0	0	*	W	0	--	0.0
	Machine Drive	--	17	0	2	*	*	0	--	14.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	0.9
	Other Process Use	--	*	0	0	0	W	0	--	31.7
	Direct Uses-Total Nonprocess	--	2	W	4	*	*	0	--	13.6
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	W	*	*	*	0	--	22.2
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	*	*	*	0	--	18.2
	Onsite Transportation	--	*	--	4	0	*	--	--	3.6
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1.5
	Other Nonprocess Use	--	*	0	*	0	*	0	--	23.9
	End Use Not Reported	161	2	0	1	*	*	0	157	24.5
2436	Softwood Veneer and Plywood									
	RSE Column Factors:	NF	1.6	0.4	1.8	1.5	1.4	0.4	NF	
	TOTAL INPUTS	73	9	*	1	3	1	0	60	7.7
	Indirect Uses-Boiler Fuel	--	*	*	*	*	*	0	--	11.9
	Direct Uses-Total Process	--	7	0	*	2	*	0	--	11.5
	Process Heating	--	1	0	0	2	*	0	--	12.0
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	8.2
	Machine Drive	--	6	0	W	0	W	0	--	12.6
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.8
	Other Process Use	--	W	0	W	0	W	0	--	12.5
	Direct Uses-Total Nonprocess	--	1	0	1	*	*	0	--	11.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	*	*	0	--	15.4
	Facility Lighting	--	1	--	--	--	--	--	--	1.6
	Facility Support	--	*	0	0	0	0	0	--	10.1
	Onsite Transportation	--	*	--	1	0	*	--	--	5.5
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	3.6
	Other Nonprocess Use	--	*	0	*	0	0	0	--	13.6
	End Use Not Reported	60	*	0	*	*	*	0	60	19.3

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2493	Reconstituted Wood Products									
	RSE Column Factors:	NF	1.1	1.2	1.3	0.8	1.2	0.6	NF	
	TOTAL INPUTS	71	15	W	W	18	W	W	33	13.1
	Indirect Uses-Boiler Fuel	--	W	1	*	5	W	W	--	18.4
	Direct Uses-Total Process	--	13	*	*	11	1	0	--	16.1
	Process Heating	--	1	*	*	9	1	0	--	16.6
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	16.4
	Machine Drive	--	12	0	*	1	*	0	--	18.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.9
	Other Process Use	--	1	0	0	Q	*	0	--	22.8
	Direct Uses-Total Nonprocess	--	1	W	*	1	*	0	--	14.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	W	0	1	*	0	--	19.6
	Facility Lighting	--	1	--	--	--	--	--	--	1.5
	Facility Support	--	W	0	*	*	*	0	--	24.9
	Onsite Transportation	--	W	--	*	0	*	--	--	4.7
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.2
	Other Nonprocess Use	--	*	0	0	0	0	0	--	0.0
	End Use Not Reported	34	W	0	W	1	*	0	33	36.0
25	FURNITURE and FIXTURES									
	RSE Column Factors:	NF	0.8	1.1	1.3	0.7	1.1	1.2	NF	
	TOTAL INPUTS	65	22	*	1	23	1	3	14	11.7
	Indirect Uses-Boiler Fuel	--	*	*	*	4	*	2	--	20.5
	Direct Uses-Total Process	--	14	*	*	9	*	*	--	18.7
	Process Heating	--	1	*	*	8	*	*	--	23.8
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	38.6
	Machine Drive	--	12	*	*	*	*	*	--	25.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	0	*	*	0	--	45.7
	Direct Uses-Total Nonprocess	--	7	*	*	9	1	*	--	14.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3	*	*	9	*	*	--	19.3
	Facility Lighting	--	4	--	--	--	--	--	--	1.4
	Facility Support	--	1	0	0	*	*	0	--	20.0
	Onsite Transportation	--	*	--	*	0	W	--	--	5.1
	Conventional Electricity Generation	--	--	0	0	0	W	0	--	6.9
	Other Nonprocess Use	--	*	0	*	*	*	0	--	39.8
	End Use Not Reported	18	2	*	*	2	*	*	14	30.2
2511	Wood Furniture, Except Upholstered									
	RSE Column Factors:	NF	0.6	1.1	1.2	1.0	1.4	1.0	NF	
	TOTAL INPUTS	24	7	*	*	2	*	1	12	15.8
	Indirect Uses-Boiler Fuel	--	*	*	*	*	*	1	--	25.3
	Direct Uses-Total Process	--	5	*	*	*	*	*	--	33.1
	Process Heating	--	*	*	*	*	*	*	--	37.3
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	46.6
	Machine Drive	--	5	*	*	*	*	*	--	31.3
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	0.9
	Other Process Use	--	*	0	0	*	0	0	--	57.1
	Direct Uses-Total Nonprocess	--	1	*	*	1	*	*	--	23.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	*	*	1	*	*	--	28.6
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	0	*	*	0	--	30.6
	Onsite Transportation	--	*	--	*	0	W	--	--	5.8
	Conventional Electricity Generation	--	--	0	0	0	W	0	--	7.4
	Other Nonprocess Use	--	0	0	*	*	*	0	--	32.6
	End Use Not Reported	13	*	0	*	*	*	*	12	39.1

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
26	PAPER and ALLIED PRODUCTS									
	RSE Column Factors:	NF	0.6	1.1	1.2	0.7	1.4	1.3	NF	
	TOTAL INPUTS	2,634	223	173	9	574	5	307	1,343	3.5
	Indirect Uses-Boiler Fuel	--	5	138	5	401	1	299	--	5.4
	Direct Uses-Total Process	--	191	32	W	115	2	W	--	6.8
	Process Heating	--	6	30	1	102	1	W	--	8.1
	Process Cooling and Refrigeration	--	3	0	0	1	0	0	--	12.0
	Machine Drive	--	179	1	1	10	*	W	--	13.3
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.9
	Other Process Use	--	3	0	W	2	*	0	--	15.2
	Direct Uses-Total Nonprocess	--	24	2	2	51	3	W	--	6.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	11	W	*	17	W	W	--	11.6
	Facility Lighting	--	10	--	--	--	--	--	--	1.2
	Facility Support	--	2	W	*	1	*	0	--	16.6
	Onsite Transportation	--	*	--	2	*	2	--	--	2.5
	Conventional Electricity Generation	--	--	W	*	31	W	W	--	9.8
	Other Nonprocess Use	--	*	W	*	2	*	0	--	25.3
	End Use Not Reported	1,357	5	1	W	7	*	W	1,343	12.7
2611	Pulp Mills									
	RSE Column Factors:	NF	1.3	0.7	1.2	1.0	1.2	0.7	NF	
	TOTAL INPUTS	251	7	23	W	22	W	7	190	13.0
	Indirect Uses-Boiler Fuel	--	*	18	1	14	*	7	--	16.5
	Direct Uses-Total Process	--	6	4	*	7	*	0	--	13.3
	Process Heating	--	*	4	*	7	*	0	--	16.2
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	19.5
	Machine Drive	--	6	0	*	*	*	0	--	19.0
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	0	0	*	0	--	22.2
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--	12.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	1	0	0	--	19.7
	Facility Lighting	--	*	--	--	--	--	--	--	1.5
	Facility Support	--	*	0	0	*	*	0	--	21.0
	Onsite Transportation	--	0	--	*	0	*	--	--	3.7
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	*	0	0	0	0	0	--	18.8
	End Use Not Reported	191	0	1	W	0	W	0	190	30.3
2621	Paper Mills									
	RSE Column Factors:	NF	0.7	1.0	1.1	0.8	1.1	1.4	NF	
	TOTAL INPUTS	1,292	117	94	4	271	2	195	609	5.2
	Indirect Uses-Boiler Fuel	--	1	76	2	195	W	W	--	9.0
	Direct Uses-Total Process	--	106	17	1	48	1	W	--	9.6
	Process Heating	--	1	17	1	44	1	W	--	12.1
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	20.9
	Machine Drive	--	102	1	*	W	*	W	--	13.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	0.9
	Other Process Use	--	2	0	*	W	0	0	--	25.0
	Direct Uses-Total Nonprocess	--	8	W	1	26	1	W	--	8.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4	W	W	3	*	W	--	11.5
	Facility Lighting	--	3	--	--	--	--	--	--	1.3
	Facility Support	--	1	W	*	*	*	0	--	18.0
	Onsite Transportation	--	*	--	1	0	1	--	--	3.3
	Conventional Electricity Generation	--	--	W	W	23	0	W	--	10.7
	Other Nonprocess Use	--	*	W	*	*	*	0	--	25.7
	End Use Not Reported	614	2	W	*	2	W	0	609	16.8

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2631	Paperboard Mills									
	RSE Column Factors:	NF	0.8	1.0	1.1	0.9	1.0	1.2	NF	
	TOTAL INPUTS	930	46	50	W	199	W	101	531	2.6
	Indirect Uses-Boiler Fuel	--	2	39	1	150	W	W	--	4.8
	Direct Uses-Total Process	--	40	9	W	36	*	W	--	5.0
	Process Heating	--	1	W	*	31	*	W	--	6.8
	Process Cooling and Refrigeration	--	*	0	0	W	0	0	--	8.5
	Machine Drive	--	38	W	W	W	W	0	--	7.6
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.5
	Other Process Use	--	W	0	W	0	W	0	--	12.1
	Direct Uses-Total Nonprocess	--	3	W	1	12	*	W	--	6.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	W	W	W	*	0	--	7.7
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	W	*	0	0	--	9.8
	Onsite Transportation	--	*	--	1	0	*	--	--	2.7
	Conventional Electricity Generation	--	--	W	W	9	0	W	--	7.7
	Other Nonprocess Use	--	W	0	*	W	0	0	--	13.5
	End Use Not Reported	535	1	W	W	2	W	W	531	9.5
27	PRINTING and PUBLISHING									
	RSE Column Factors:	NF	0.7	1.2	1.8	0.9	1.7	0.4	NF	
	TOTAL INPUTS	112	59	W	2	47	W	0	2	7.8
	Indirect Uses-Boiler Fuel	--	*	*	1	11	W	0	--	14.0
	Direct Uses-Total Process	--	31	W	*	17	*	0	--	8.1
	Process Heating	--	2	0	*	15	*	0	--	11.2
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--	15.2
	Machine Drive	--	27	0	*	1	*	0	--	13.0
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.6
	Other Process Use	--	*	W	*	*	*	0	--	28.6
	Direct Uses-Total Nonprocess	--	22	W	1	15	1	0	--	11.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	12	W	1	14	*	0	--	11.4
	Facility Lighting	--	7	--	--	--	--	--	--	1.3
	Facility Support	--	3	*	*	1	*	0	--	15.6
	Onsite Transportation	--	*	--	W	*	*	--	--	5.4
	Conventional Electricity Generation	--	--	0	W	*	0	0	--	9.0
	Other Nonprocess Use	--	*	0	*	*	*	0	--	35.4
	End Use Not Reported	13	6	0	*	5	*	0	2	16.8
28	CHEMICALS and ALLIED PRODUCTS									
	RSE Column Factors:	NF	0.6	1.2	1.0	0.8	1.6	1.0	NF	
	TOTAL INPUTS	3,273	520	60	13	1,895	W	257	W	6.1
	Indirect Uses-Boiler Fuel	--	8	37	7	931	1	245	--	9.3
	Direct Uses-Total Process	--	463	18	W	707	2	10	--	8.8
	Process Heating	--	21	18	2	638	1	W	--	9.5
	Process Cooling and Refrigeration	--	32	*	*	11	W	*	--	24.5
	Machine Drive	--	340	--	1	39	*	W	--	16.6
	Electro-Chemical Processes	--	70	--	--	--	--	--	--	1.3
	Other Process Use	--	1	*	W	20	W	0	--	20.2
	Direct Uses-Total Nonprocess	--	43	W	3	230	1	W	--	10.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	21	W	*	17	*	1	--	15.7
	Facility Lighting	--	16	--	--	--	--	--	--	1.3
	Facility Support	--	4	W	*	3	W	0	--	11.0
	Onsite Transportation	--	*	--	2	*	1	--	--	5.1
	Conventional Electricity Generation	--	--	W	*	207	W	W	--	13.7
	Other Nonprocess Use	--	1	W	*	3	*	0	--	18.2
	End Use Not Reported	559	6	W	W	27	W	W	W	15.4

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2812	Alkalies and Chlorine									
	RSE Column Factors:	NF	0.9	1.0	1.1	1.0	1.2	0.8	NF	
	TOTAL INPUTS	129	46	W	*	53	*	W	W	8.3
	Indirect Uses-Boiler Fuel	--	W	W	*	W	*	W	--	10.9
	Direct Uses-Total Process	--	45	0	W	2	*	0	--	7.8
	Process Heating	--	W	0	W	W	0	0	--	9.5
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	6.9
	Machine Drive	--	4	0	W	*	*	0	--	9.3
	Electro-Chemical Processes	--	41	--	--	--	--	--	--	1.3
	Other Process Use	--	W	0	0	W	0	0	--	14.9
	Direct Uses-Total Nonprocess	--	W	W	W	W	*	0	--	8.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	W	0	W	0	0	--	8.1
	Facility Lighting	--	*	--	--	--	--	--	--	1.4
	Facility Support	--	W	0	0	W	0	0	--	12.6
	Onsite Transportation	--	0	--	W	0	*	--	--	2.8
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	3.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	0	0	*	0	*	0	W	12.1
2813	Industrial Gases									
	RSE Column Factors:	NF	0.7	0.9	1.0	1.5	1.4	0.9	NF	
	TOTAL INPUTS	99	80	0	W	19	W	0	*	16.1
	Indirect Uses-Boiler Fuel	--	W	0	*	6	*	0	--	36.3
	Direct Uses-Total Process	--	74	0	0	9	*	0	--	18.3
	Process Heating	--	1	0	0	9	*	0	--	28.7
	Process Cooling and Refrigeration	--	2	0	0	0	0	0	--	24.4
	Machine Drive	--	70	0	0	*	0	0	--	14.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	*	0	0	*	0	0	--	74.8
	Direct Uses-Total Nonprocess	--	2	0	W	3	*	0	--	20.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	0	0	*	*	0	--	20.6
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	0	*	0	0	--	21.2
	Onsite Transportation	--	0	--	W	0	0	--	--	1.2
	Conventional Electricity Generation	--	--	0	0	2	0	0	--	6.5
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	1	W	0	0	0	W	0	*	56.5
2816	Inorganic Pigments									
	RSE Column Factors:	NF	1.4	0.7	1.2	0.8	1.2	1.0	NF	
	TOTAL INPUTS	40	8	W	W	W	W	W	W	9.1
	Indirect Uses-Boiler Fuel	--	W	W	*	10	*	W	--	11.7
	Direct Uses-Total Process	--	8	0	W	11	W	W	--	10.1
	Process Heating	--	W	0	*	11	W	W	--	10.6
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	7.2
	Machine Drive	--	5	0	W	*	W	0	--	12.4
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.6
	Other Process Use	--	W	0	0	0	*	0	--	14.3
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--	7.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	*	*	0	--	9.6
	Facility Lighting	--	*	--	--	--	--	--	--	1.4
	Facility Support	--	W	0	0	*	*	0	--	9.1
	Onsite Transportation	--	W	--	*	0	*	--	--	4.2
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.7
	Other Nonprocess Use	--	0	0	*	0	0	0	--	17.0
	End Use Not Reported	W	W	0	W	W	*	0	W	16.6

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2819	Industrial Inorganic Chemicals, nec.									
	RSE Column Factors:	NF	1.3	0.8	1.3	0.8	1.3	0.7	NF	
	TOTAL INPUTS	344	144	4	W	W	W	32	W	11.4
	Indirect Uses-Boiler Fuel	--	*	1	1	73	*	26	--	13.9
	Direct Uses-Total Process	--	140	3	*	63	*	W	--	14.0
	Process Heating	--	7	3	*	61	*	W	--	13.0
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	8.2
	Machine Drive	--	118	0	*	Q	*	0	--	25.2
	Electro-Chemical Processes	--	14	--	--	--	--	--	--	1.5
	Other Process Use	--	0	0	*	*	0	0	--	19.9
	Direct Uses-Total Nonprocess	--	4	*	*	4	*	W	--	12.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	2	*	*	2	*	W	--	16.3
	Facility Lighting	--	1	--	--	--	--	--	--	1.5
	Facility Support	--	1	0	W	*	*	0	--	17.0
	Onsite Transportation	--	*	--	W	0	*	--	--	6.3
	Conventional Electricity Generation	--	--	0	*	2	0	0	--	6.6
	Other Nonprocess Use	--	*	0	*	0	0	0	--	19.9
	End Use Not Reported	23	*	*	W	W	W	0	W	30.9
2821	Plastics Materials and Resins									
	RSE Column Factors:	NF	0.8	0.9	1.2	1.0	1.7	0.7	NF	
	TOTAL INPUTS	319	56	3	1	W	W	19	50	9.2
	Indirect Uses-Boiler Fuel	--	1	W	1	116	*	19	--	10.8
	Direct Uses-Total Process	--	48	W	W	52	W	0	--	13.2
	Process Heating	--	2	W	*	38	W	0	--	16.9
	Process Cooling and Refrigeration	--	5	0	0	*	W	0	--	9.5
	Machine Drive	--	36	0	W	6	W	0	--	10.8
	Electro-Chemical Processes	--	6	--	--	--	--	--	--	1.6
	Other Process Use	--	*	*	*	8	W	0	--	24.4
	Direct Uses-Total Nonprocess	--	5	*	*	20	*	0	--	11.6
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	2	0	*	1	*	0	--	12.9
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Facility Support	--	1	0	W	W	*	0	--	11.8
	Onsite Transportation	--	W	--	W	0	*	--	--	4.1
	Conventional Electricity Generation	--	--	0	W	W	0	0	--	5.9
	Other Nonprocess Use	--	W	*	W	*	0	0	--	22.1
	End Use Not Reported	52	1	0	W	W	W	0	50	22.9
2822	Synthetic Rubber									
	RSE Column Factors:	NF	1.1	0.6	1.3	1.3	1.3	0.7	NF	
	TOTAL INPUTS	63	8	W	*	42	W	W	9	21.0
	Indirect Uses-Boiler Fuel	--	W	W	*	23	0	W	--	28.1
	Direct Uses-Total Process	--	7	0	W	18	0	0	--	18.1
	Process Heating	--	*	0	0	16	0	0	--	21.2
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	22.6
	Machine Drive	--	5	0	W	*	0	0	--	20.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	*	0	0	2	0	0	--	33.4
	Direct Uses-Total Nonprocess	--	1	0	*	*	W	0	--	15.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	*	W	0	--	18.5
	Facility Lighting	--	*	--	--	--	--	--	--	1.6
	Facility Support	--	*	0	*	*	0	0	--	23.4
	Onsite Transportation	--	*	--	*	0	*	--	--	7.3
	Conventional Electricity Generation	--	--	0	0	*	0	0	--	5.6
	Other Nonprocess Use	--	0	0	*	*	0	0	--	33.4
	End Use Not Reported	9	W	0	W	*	0	0	9	20.8

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2823	Cellulosic Manmade Fibers									
	RSE Column Factors:	NF	1.0	1.0	1.0	1.0	1.0	1.0	NF	
	TOTAL INPUTS	28	1	0	*	W	W	W	W	1.0
	Indirect Uses-Boiler Fuel	--	W	0	W	W	0	W	--	1.0
	Direct Uses-Total Process	--	1	0	W	W	*	0	--	1.0
	Process Heating	--	W	0	W	W	*	0	--	1.0
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	1.0
	Machine Drive	--	1	0	*	0	0	0	--	1.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	W	0	*	*	W	0	--	1.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	*	0	0	--	1.0
	Facility Lighting	--	*	--	--	--	--	--	--	1.0
	Facility Support	--	W	0	0	*	0	0	--	1.0
	Onsite Transportation	--	W	--	*	0	W	--	--	1.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.0
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	*	0	0	0	0	0	W	1.0
2824	Organic Fibers, Noncellulosic									
	RSE Column Factors:	NF	0.9	0.8	1.4	1.3	1.2	0.6	NF	
	TOTAL INPUTS	114	24	9	1	W	W	35	W	6.8
	Indirect Uses-Boiler Fuel	--	W	W	*	32	W	35	--	7.9
	Direct Uses-Total Process	--	20	W	W	W	*	0	--	8.1
	Process Heating	--	W	W	W	W	*	0	--	8.2
	Process Cooling and Refrigeration	--	3	0	0	W	0	0	--	8.9
	Machine Drive	--	13	0	W	*	0	0	--	9.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.6
	Other Process Use	--	*	0	0	0	0	0	--	15.4
	Direct Uses-Total Nonprocess	--	4	0	*	W	*	0	--	4.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	2	0	W	W	W	0	--	7.7
	Facility Lighting	--	1	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	0	*	W	0	--	10.5
	Onsite Transportation	--	W	--	W	*	W	--	--	4.7
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.7
	Other Nonprocess Use	--	W	0	W	0	*	0	--	14.2
	End Use Not Reported	8	W	0	W	W	W	0	W	11.2
2861	Gum and Wood Chemicals									
	RSE Column Factors:	NF	1.2	1.0	1.2	1.2	1.1	0.6	NF	
	TOTAL INPUTS	10	1	*	W	4	W	0	5	6.9
	Indirect Uses-Boiler Fuel	--	W	0	W	W	W	0	--	8.7
	Direct Uses-Total Process	--	1	*	W	W	W	0	--	7.2
	Process Heating	--	*	*	W	W	W	0	--	8.9
	Process Cooling and Refrigeration	--	*	0	0	W	0	0	--	17.5
	Machine Drive	--	*	0	W	0	W	0	--	7.1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.6
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	W	0	W	*	W	0	--	6.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	*	W	0	--	8.7
	Facility Lighting	--	*	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	0	*	0	0	--	7.2
	Onsite Transportation	--	0	--	W	0	W	--	--	2.8
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	W	0	W	W	W	0	5	7.6

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2865	Cyclic Crudes and Intermediates									
	RSE Column Factors:	NF	1.3	0.8	1.2	1.2	1.2	0.6	NF	
	TOTAL INPUTS	155	16	W	1	98	1	W	25	19.7
	Indirect Uses-Boiler Fuel	--	1	W	1	65	Q	W	--	21.7
	Direct Uses-Total Process	--	13	*	W	26	*	0	--	17.7
	Process Heating	--	2	*	*	25	*	0	--	22.2
	Process Cooling and Refrigeration	--	2	0	0	W	0	0	--	19.0
	Machine Drive	--	9	0	W	W	*	0	--	16.3
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	*	0	0	0	--	25.6
	Direct Uses-Total Nonprocess	--	2	0	*	5	*	0	--	18.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	0	0	*	W	0	--	23.5
	Facility Lighting	--	1	--	--	--	--	--	--	1.6
	Facility Support	--	*	0	*	*	W	0	--	21.3
	Onsite Transportation	--	*	--	*	*	*	--	--	8.8
	Conventional Electricity Generation	--	--	0	0	4	0	0	--	4.6
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	28	*	W	W	2	0	0	25	31.6
2869	Industrial Organic Chemicals, nec.									
	RSE Column Factors:	NF	1.1	0.9	1.2	1.0	1.3	0.7	NF	
	TOTAL INPUTS	1,370	64	5	2	837	1	92	369	10.2
	Indirect Uses-Boiler Fuel	--	1	W	1	387	*	W	--	14.0
	Direct Uses-Total Process	--	55	1	W	285	1	0	--	13.1
	Process Heating	--	W	1	W	249	W	0	--	17.0
	Process Cooling and Refrigeration	--	9	0	W	4	W	0	--	19.1
	Machine Drive	--	40	0	*	28	0	0	--	11.5
	Electro-Chemical Processes	--	3	--	--	--	--	--	--	1.7
	Other Process Use	--	W	0	*	4	0	0	--	30.1
	Direct Uses-Total Nonprocess	--	7	W	1	153	*	0	--	15.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3	W	W	3	W	0	--	13.5
	Facility Lighting	--	3	--	--	--	--	--	--	1.5
	Facility Support	--	1	0	*	W	W	0	--	11.3
	Onsite Transportation	--	*	--	W	0	*	--	--	5.9
	Conventional Electricity Generation	--	--	0	*	147	W	0	--	8.3
	Other Nonprocess Use	--	*	0	W	W	0	0	--	24.2
	End Use Not Reported	383	2	W	W	11	*	W	369	17.5
2873	Nitrogenous Fertilizers									
	RSE Column Factors:	NF	1.4	0.4	1.5	1.4	1.7	0.4	NF	
	TOTAL INPUTS	286	13	0	*	267	*	0	5	6.8
	Indirect Uses-Boiler Fuel	--	*	0	*	72	0	0	--	11.5
	Direct Uses-Total Process	--	12	0	*	185	*	0	--	10.0
	Process Heating	--	1	0	*	177	*	0	--	14.6
	Process Cooling and Refrigeration	--	1	0	0	5	0	0	--	14.6
	Machine Drive	--	10	0	*	2	*	0	--	14.2
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	0	2	0	0	--	23.8
	Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--	9.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	*	*	0	--	13.6
	Facility Lighting	--	*	--	--	--	--	--	--	1.5
	Facility Support	--	*	0	*	*	*	0	--	20.6
	Onsite Transportation	--	0	--	*	0	*	--	--	4.4
	Conventional Electricity Generation	--	--	0	*	2	*	0	--	8.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	13	*	0	*	8	*	0	5	18.4

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2874	Phosphatic Fertilizers									
	RSE Column Factors:	NF	1.5	0.8	1.0	0.9	1.2	0.7	NF	
	TOTAL INPUTS	18	4	W	1	W	*	W	W	5.7
	Indirect Uses-Boiler Fuel	--	W	W	W	2	0	0	--	6.7
	Direct Uses-Total Process	--	3	W	*	7	W	W	--	5.9
	Process Heating	--	W	W	W	7	W	W	--	6.5
	Process Cooling and Refrigeration	--	W	0	0	*	0	0	--	12.0
	Machine Drive	--	3	0	W	*	0	0	--	8.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.4
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	W	0	*	W	W	0	--	5.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	W	*	0	--	6.0
	Facility Lighting	--	*	--	--	--	--	--	--	1.4
	Facility Support	--	W	0	*	0	*	0	--	7.1
	Onsite Transportation	--	*	--	W	0	W	--	--	2.9
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.6
	Other Nonprocess Use	--	0	0	W	0	0	0	--	9.8
	End Use Not Reported	W	W	0	W	0	0	0	W	7.1
2895	Carbon Black									
	RSE Column Factors:	NF	1.1	1.0	1.2	1.0	1.6	0.5	NF	
	TOTAL INPUTS	30	W	W	W	17	W	0	W	11.7
	Indirect Uses-Boiler Fuel	--	W	0	0	6	0	0	--	20.7
	Direct Uses-Total Process	--	1	W	W	10	0	0	--	13.8
	Process Heating	--	W	W	0	10	0	0	--	15.6
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	27.5
	Machine Drive	--	1	0	W	*	0	0	--	14.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	*	W	*	W	W	0	--	14.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	W	0	0	--	13.9
	Facility Lighting	--	*	--	--	--	--	--	--	1.6
	Facility Support	--	*	W	0	W	0	0	--	19.3
	Onsite Transportation	--	0	--	*	*	W	--	--	6.3
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	4.1
	Other Nonprocess Use	--	0	0	*	0	0	0	--	21.2
	End Use Not Reported	W	0	0	0	W	0	0	W	24.8
29	PETROLEUM and COAL PRODUCTS									
	RSE Column Factors:	NF	0.7	0.9	1.6	0.7	1.0	1.5	NF	
	TOTAL INPUTS	3,263	121	72	21	W	47	W	W	6.6
	Indirect Uses-Boiler Fuel	--	W	37	2	255	10	W	--	8.4
	Direct Uses-Total Process	--	104	29	16	469	35	6	--	7.2
	Process Heating	--	3	29	14	451	32	6	--	8.7
	Process Cooling and Refrigeration	--	6	*	*	W	W	0	--	21.7
	Machine Drive	--	96	*	W	12	1	0	--	15.3
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.5
	Other Process Use	--	*	0	W	W	W	0	--	15.2
	Direct Uses-Total Nonprocess	--	9	*	2	81	1	0	--	11.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4	W	*	5	W	0	--	14.3
	Facility Lighting	--	4	--	--	--	--	--	--	1.3
	Facility Support	--	1	W	*	1	W	0	--	15.7
	Onsite Transportation	--	*	--	2	0	W	--	--	5.2
	Conventional Electricity Generation	--	--	0	*	74	W	0	--	6.7
	Other Nonprocess Use	--	*	0	*	*	W	0	--	24.0
	End Use Not Reported	2,203	W	6	2	W	2	0	W	17.9

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
2911	Petroleum Refining									
	RSE Column Factors:	NF	0.9	0.9	1.3	0.9	1.3	0.8	NF	
	TOTAL INPUTS	3,153	114	68	7	756	W	W	2,161	5.8
	Indirect Uses-Boiler Fuel	--	W	35	1	243	9	W	--	7.1
	Direct Uses-Total Process	--	99	28	5	430	33	0	--	5.3
	Process Heating	--	2	28	5	414	31	0	--	6.8
	Process Cooling and Refrigeration	--	6	0	0	W	W	0	--	11.7
	Machine Drive	--	91	0	W	10	1	0	--	7.3
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.5
	Other Process Use	--	*	0	W	W	W	0	--	12.3
	Direct Uses-Total Nonprocess	--	8	W	*	W	W	0	--	9.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	W	0	0	W	W	0	--	8.0
	Facility Lighting	--	3	--	--	--	--	--	--	1.3
	Facility Support	--	1	W	W	1	W	0	--	12.9
	Onsite Transportation	--	*	--	*	0	W	--	--	4.3
	Conventional Electricity Generation	--	--	0	*	74	W	0	--	6.1
	Other Nonprocess Use	--	W	0	W	*	W	0	--	17.3
	End Use Not Reported	2,178	W	W	*	W	W	0	2,161	15.0
30	RUBBER and MISC. PLASTICS PRODUCTS									
	RSE Column Factors:	NF	0.6	1.1	1.6	1.0	1.2	0.7	NF	
	TOTAL INPUTS	286	149	10	3	110	3	5	6	7.2
	Indirect Uses-Boiler Fuel	--	1	8	2	56	*	5	--	11.6
	Direct Uses-Total Process	--	114	1	*	25	1	0	--	10.3
	Process Heating	--	25	1	*	23	1	0	--	12.8
	Process Cooling and Refrigeration	--	10	0	*	*	W	0	--	17.4
	Machine Drive	--	78	1	*	1	*	0	--	18.9
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	1	0	*	1	W	0	--	34.1
	Direct Uses-Total Nonprocess	--	27	*	1	22	2	*	--	9.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	13	*	*	20	*	W	--	14.0
	Facility Lighting	--	11	--	--	--	--	--	--	1.3
	Facility Support	--	3	*	*	1	*	W	--	14.7
	Onsite Transportation	--	*	--	*	*	2	--	--	5.6
	Conventional Electricity Generation	--	--	0	*	1	0	0	--	7.7
	Other Nonprocess Use	--	*	*	*	*	*	0	--	38.9
	End Use Not Reported	20	7	*	*	6	*	0	6	20.9
3011	Tires and Inner Tubes									
	RSE Column Factors:	NF	0.8	0.8	1.3	1.2	1.2	1.0	NF	
	TOTAL INPUTS	48	16	5	1	23	*	2	2	10.3
	Indirect Uses-Boiler Fuel	--	W	W	W	20	*	2	--	13.7
	Direct Uses-Total Process	--	12	W	W	1	*	0	--	11.0
	Process Heating	--	*	W	0	*	*	0	--	18.2
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	11.5
	Machine Drive	--	11	0	W	*	*	0	--	10.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	*	0	0	--	8.4
	Direct Uses-Total Nonprocess	--	4	W	W	1	W	*	--	9.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	2	W	0	1	W	W	--	8.2
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Facility Support	--	*	0	W	*	0	W	--	11.7
	Onsite Transportation	--	*	--	W	0	*	--	--	3.6
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.2
	Other Nonprocess Use	--	0	0	W	*	0	0	--	7.1
	End Use Not Reported	4	W	W	W	1	W	0	2	11.4

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
308	Miscellaneous Plastics Products, nec.									
	RSE Column Factors:	NF	0.7	1.1	1.4	1.0	1.3	0.7	NF	
	TOTAL INPUTS	192	116	3	2	63	2	2	4	10.9
	Indirect Uses-Boiler Fuel	--	W	2	1	25	*	2	--	18.1
	Direct Uses-Total Process	--	90	1	W	19	1	0	--	12.1
	Process Heating	--	21	*	*	17	*	0	--	10.7
	Process Cooling and Refrigeration	--	9	0	*	*	W	0	--	20.0
	Machine Drive	--	58	1	W	1	*	0	--	20.5
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	1	0	*	1	W	0	--	34.9
	Direct Uses-Total Nonprocess	--	20	W	W	16	W	0	--	11.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	9	W	*	15	W	0	--	15.6
	Facility Lighting	--	8	--	--	--	--	--	--	1.3
	Facility Support	--	2	0	W	*	*	0	--	16.7
	Onsite Transportation	--	*	--	W	*	1	--	--	7.2
	Conventional Electricity Generation	--	--	0	W	1	0	0	--	7.2
	Other Nonprocess Use	--	*	0	W	*	*	0	--	38.5
	End Use Not Reported	14	W	W	*	4	W	0	4	27.9
31	LEATHER and LEATHER PRODUCTS									
	RSE Column Factors:	NF	1.0	0.7	1.8	0.9	1.7	0.5	NF	
	TOTAL INPUTS	W	3	2	W	W	W	0	*	15.0
	Indirect Uses-Boiler Fuel	--	*	2	*	2	W	0	--	25.2
	Direct Uses-Total Process	--	2	0	*	1	*	0	--	18.7
	Process Heating	--	*	0	*	1	*	0	--	23.0
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	34.1
	Machine Drive	--	2	0	0	*	*	0	--	18.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	*	0	*	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	1	*	*	W	*	0	--	17.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	*	*	W	*	0	--	20.9
	Facility Lighting	--	*	--	--	--	--	--	--	1.6
	Facility Support	--	*	0	*	1	*	0	--	26.4
	Onsite Transportation	--	*	--	*	0	*	--	--	5.2
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.0
	Other Nonprocess Use	--	*	0	0	0	0	0	--	0.0
	End Use Not Reported	1	*	*	W	W	*	0	*	40.0
32	STONE, CLAY and GLASS PRODUCTS									
	RSE Column Factors:	NF	0.7	1.0	1.4	0.8	1.6	0.8	NF	
	TOTAL INPUTS	945	123	7	23	431	4	274	83	6.8
	Indirect Uses-Boiler Fuel	--	1	1	1	20	*	*	--	24.3
	Direct Uses-Total Process	--	104	7	8	380	2	263	--	7.7
	Process Heating	--	29	7	5	369	2	263	--	8.5
	Process Cooling and Refrigeration	--	3	0	*	1	W	0	--	21.6
	Machine Drive	--	72	*	4	9	*	*	--	19.1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.9
	Other Process Use	--	*	0	*	1	W	0	--	19.9
	Direct Uses-Total Nonprocess	--	14	*	11	22	1	*	--	7.9
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	6	*	*	18	*	*	--	11.7
	Facility Lighting	--	7	--	--	--	--	--	--	1.3
	Facility Support	--	2	0	*	2	*	0	--	11.3
	Onsite Transportation	--	*	--	10	*	1	--	--	6.3
	Conventional Electricity Generation	--	--	0	*	1	*	0	--	10.6
	Other Nonprocess Use	--	*	0	*	*	*	0	--	33.3
	End Use Not Reported	109	4	*	2	10	*	10	83	23.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
3211	Flat Glass									
	RSE Column Factors:	NF	0.9	1.1	1.5	0.9	1.5	0.5	NF	
	TOTAL INPUTS	52	5	2	*	45	*	0	*	15.0
	Indirect Uses-Boiler Fuel	--	*	0	*	1	0	0	--	30.8
	Direct Uses-Total Process	--	4	2	*	42	*	0	--	18.6
	Process Heating	--	2	2	*	42	*	0	--	19.4
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--	26.7
	Machine Drive	--	2	0	*	*	*	0	--	27.0
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	*	0	*	0	--	23.8
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--	12.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	1	*	0	--	20.0
	Facility Lighting	--	*	--	--	--	--	--	--	1.5
	Facility Support	--	*	0	*	*	*	0	--	24.0
	Onsite Transportation	--	*	--	*	0	*	--	--	5.0
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	3.9
	Other Nonprocess Use	--	*	0	0	0	0	0	--	47.7
	End Use Not Reported	*	*	0	0	0	*	0	*	33.7
3221	Glass Containers									
	RSE Column Factors:	NF	1.2	0.9	1.7	0.8	1.4	0.5	NF	
	TOTAL INPUTS	83	15	2	*	66	*	0	*	5.8
	Indirect Uses-Boiler Fuel	--	W	0	W	*	0	0	--	12.3
	Direct Uses-Total Process	--	13	2	W	62	*	0	--	6.5
	Process Heating	--	5	2	W	62	W	0	--	6.8
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	8.3
	Machine Drive	--	8	0	*	*	W	0	--	11.1
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.7
	Other Process Use	--	W	0	0	0	0	0	--	19.8
	Direct Uses-Total Nonprocess	--	W	0	W	3	W	0	--	5.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	W	3	W	0	--	8.9
	Facility Lighting	--	1	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	*	1	0	0	--	7.7
	Onsite Transportation	--	W	--	W	0	*	--	--	4.4
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	0	0	*	0	W	0	*	14.4
3229	Pressed and Blown Glass, nec.									
	RSE Column Factors:	NF	1.2	1.0	1.5	0.9	1.3	0.5	NF	
	TOTAL INPUTS	63	11	W	*	50	W	0	*	8.5
	Indirect Uses-Boiler Fuel	--	*	W	W	2	*	0	--	14.7
	Direct Uses-Total Process	--	9	W	W	47	*	0	--	10.2
	Process Heating	--	4	W	W	44	W	0	--	11.1
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	5.8
	Machine Drive	--	5	0	*	2	W	0	--	10.3
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	0	0	W	0	*	0	--	13.6
	Direct Uses-Total Nonprocess	--	2	0	*	2	W	0	--	6.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	0	0	2	W	0	--	7.8
	Facility Lighting	--	1	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	W	*	0	0	--	11.8
	Onsite Transportation	--	W	--	W	*	*	--	--	4.2
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.4
	Other Nonprocess Use	--	W	0	W	0	0	0	--	15.1
	End Use Not Reported	*	0	0	*	0	*	0	*	13.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
3241	Cement, Hydraulic									
	RSE Column Factors:	NF	0.8	1.0	1.4	1.2	1.3	0.6	NF	
	TOTAL INPUTS	329	37	1	5	25	*	202	59	11.7
	Indirect Uses-Boiler Fuel	--	*	0	*	1	0	0	--	37.2
	Direct Uses-Total Process	--	33	1	2	22	*	196	--	15.1
	Process Heating	--	2	1	2	21	*	196	--	18.7
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	23.1
	Machine Drive	--	31	0	*	*	*	*	--	22.2
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	0	0	0	--	54.0
	Direct Uses-Total Nonprocess	--	2	0	2	1	*	0	--	10.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	0	W	1	*	0	--	16.0
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	W	*	*	0	--	21.8
	Onsite Transportation	--	*	--	2	0	*	--	--	5.7
	Conventional Electricity Generation	--	--	0	W	*	0	0	--	11.3
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	69	2	0	*	1	*	6	59	28.1
3274	Lime									
	RSE Column Factors:	NF	1.1	1.2	0.9	0.9	1.5	0.6	NF	
	TOTAL INPUTS	96	4	1	1	13	*	66	11	18.3
	Indirect Uses-Boiler Fuel	--	0	0	*	0	0	0	--	53.4
	Direct Uses-Total Process	--	3	Q	1	11	*	62	--	20.9
	Process Heating	--	1	Q	*	11	*	62	--	22.4
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	29.2
	Machine Drive	--	2	0	*	*	*	0	--	27.9
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	*	0	1	*	*	0	--	21.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	*	*	*	0	--	31.9
	Facility Lighting	--	*	--	--	--	--	--	--	1.6
	Facility Support	--	*	0	0	*	*	0	--	40.9
	Onsite Transportation	--	0	--	1	0	*	--	--	4.4
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	17	*	*	*	1	*	4	11	34.9
3296	Mineral Wool									
	RSE Column Factors:	NF	1.0	0.8	2.0	0.8	1.3	0.5	NF	
	TOTAL INPUTS	51	12	W	*	37	W	0	2	9.9
	Indirect Uses-Boiler Fuel	--	*	W	*	1	*	0	--	19.1
	Direct Uses-Total Process	--	11	0	W	35	*	0	--	8.7
	Process Heating	--	7	0	W	W	*	0	--	9.2
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	12.5
	Machine Drive	--	4	0	*	0	0	0	--	9.7
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	W	W	0	0	--	23.9
	Direct Uses-Total Nonprocess	--	1	0	W	1	W	0	--	8.7
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	W	1	W	0	--	13.4
	Facility Lighting	--	*	--	--	--	--	--	--	1.5
	Facility Support	--	*	0	*	*	0	0	--	12.3
	Onsite Transportation	--	*	--	W	0	*	--	--	4.8
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.4
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	2	0	0	*	0	0	0	2	0.0

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
33	PRIMARY METAL INDUSTRIES									
	RSE Column Factors:	NF	0.5	1.4	1.1	0.9	1.5	1.0	NF	
	TOTAL INPUTS	2,568	493	43	12	801	5	52	1,162	6.8
	Indirect Uses-Boiler Fuel	--	1	30	1	95	*	42	--	10.7
	Direct Uses-Total Process	--	449	13	W	628	3	W	--	9.6
	Process Heating	--	121	13	3	604	3	W	--	11.5
	Process Cooling and Refrigeration	--	4	0	0	*	0	0	--	17.7
	Machine Drive	--	135	*	W	3	*	0	--	10.9
	Electro-Chemical Processes	--	187	--	--	--	--	--	--	1.0
	Other Process Use	--	2	0	*	19	*	0	--	19.6
	Direct Uses-Total Nonprocess	--	36	*	7	58	2	W	--	5.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	15	W	1	47	*	*	--	13.4
	Facility Lighting	--	16	--	--	--	--	--	--	1.2
	Facility Support	--	4	*	*	W	*	0	--	14.5
	Onsite Transportation	--	1	--	W	*	2	--	--	5.7
	Conventional Electricity Generation	--	--	0	W	W	*	W	--	3.6
	Other Nonprocess Use	--	*	W	W	1	*	0	--	25.2
	End Use Not Reported	1,190	7	0	W	21	*	W	1,162	19.5
331	Blast Furnace and Basic Steel Products									
	RSE Column Factors:	NF	0.7	1.0	1.1	0.7	1.4	1.4	NF	
	TOTAL INPUTS	1,907	182	42	W	518	W	39	1,119	10.7
	Indirect Uses-Boiler Fuel	--	1	29	1	67	W	34	--	13.4
	Direct Uses-Total Process	--	165	12	1	417	*	W	--	13.7
	Process Heating	--	78	12	1	396	W	W	--	15.5
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--	21.4
	Machine Drive	--	79	*	*	2	*	0	--	16.3
	Electro-Chemical Processes	--	5	--	--	--	--	--	--	1.5
	Other Process Use	--	1	0	*	19	W	0	--	25.1
	Direct Uses-Total Nonprocess	--	15	*	4	29	1	*	--	14.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	6	W	*	23	*	*	--	16.1
	Facility Lighting	--	7	--	--	--	--	--	--	1.3
	Facility Support	--	2	*	*	5	*	0	--	17.2
	Onsite Transportation	--	*	--	3	*	Q	--	--	3.3
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	13.9
	Other Nonprocess Use	--	*	W	0	1	*	0	--	27.2
	End Use Not Reported	1,126	2	0	W	5	*	W	1,119	20.4
3312	Blast Furnaces and Steel Mills									
	RSE Column Factors:	NF	0.8	1.1	1.0	0.8	1.1	1.1	NF	
	TOTAL INPUTS	1,824	148	42	W	476	W	35	1,118	8.1
	Indirect Uses-Boiler Fuel	--	1	29	1	60	*	34	--	13.9
	Direct Uses-Total Process	--	136	12	1	388	*	W	--	10.0
	Process Heating	--	62	12	1	368	W	W	--	10.9
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	19.8
	Machine Drive	--	68	*	W	2	*	0	--	13.6
	Electro-Chemical Processes	--	4	--	--	--	--	--	--	1.6
	Other Process Use	--	1	0	W	19	W	0	--	24.1
	Direct Uses-Total Nonprocess	--	12	*	3	24	*	0	--	8.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4	W	*	18	*	0	--	14.1
	Facility Lighting	--	5	--	--	--	--	--	--	1.3
	Facility Support	--	1	0	0	4	*	0	--	14.7
	Onsite Transportation	--	*	--	3	0	*	--	--	3.9
	Conventional Electricity Generation	--	--	0	0	*	*	0	--	10.2
	Other Nonprocess Use	--	*	W	0	1	*	0	--	25.8
	End Use Not Reported	1,122	*	0	W	3	W	W	1,118	23.9

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
3313	Electrometallurgical Products									
	RSE Column Factors:	NF	2.7	0.4	1.5	1.2	1.4	0.4	NF	
	TOTAL INPUTS	23	16	0	*	3	*	Q	Q	19.4
	Indirect Uses-Boiler Fuel	--	0	0	0	*	0	0	--	0.0
	Direct Uses-Total Process	--	15	0	*	2	*	Q	--	17.7
	Process Heating	--	14	0	0	2	*	Q	--	18.5
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	0.0
	Machine Drive	--	1	0	*	0	*	0	--	15.0
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.2
	Other Process Use	--	*	0	0	*	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--	20.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	*	*	0	--	18.3
	Facility Lighting	--	*	--	--	--	--	--	--	1.8
	Facility Support	--	*	0	0	*	0	0	--	16.8
	Onsite Transportation	--	0	--	*	0	*	--	--	8.4
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.4
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	1	*	0	0	*	0	0	Q	0.0
3321	Gray and Ductile Iron Foundries									
	RSE Column Factors:	NF	1.1	0.9	1.4	0.7	1.2	0.9	NF	
	TOTAL INPUTS	92	30	*	1	33	1	*	28	11.3
	Indirect Uses-Boiler Fuel	--	*	0	*	2	W	0	--	31.8
	Direct Uses-Total Process	--	24	*	*	21	*	*	--	16.9
	Process Heating	--	15	*	*	20	W	*	--	18.2
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	16.6
	Machine Drive	--	10	*	*	*	W	0	--	26.9
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	*	*	W	0	--	35.2
	Direct Uses-Total Nonprocess	--	4	*	W	9	*	0	--	10.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	2	*	*	9	*	0	--	19.5
	Facility Lighting	--	2	--	--	--	--	--	--	1.5
	Facility Support	--	*	0	*	*	*	0	--	20.9
	Onsite Transportation	--	*	--	*	0	*	--	--	5.2
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	5.2
	Other Nonprocess Use	--	*	0	0	0	*	0	--	34.2
	End Use Not Reported	30	1	0	W	Q	W	0	28	34.6
3331	Primary Copper									
	RSE Column Factors:	NF	1.0	1.0	1.0	1.0	1.0	1.0	NF	
	TOTAL INPUTS	32	5	W	W	22	W	W	W	1.0
	Indirect Uses-Boiler Fuel	--	0	0	0	8	0	W	--	1.0
	Direct Uses-Total Process	--	5	W	W	11	0	W	--	1.0
	Process Heating	--	W	W	W	11	0	W	--	1.0
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	1.0
	Machine Drive	--	3	0	W	0	0	0	--	1.0
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	*	0	0	--	1.0
	Direct Uses-Total Nonprocess	--	1	0	W	3	W	W	--	1.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	W	0	0	--	1.0
	Facility Lighting	--	*	--	--	--	--	--	--	1.0
	Facility Support	--	*	0	0	*	0	0	--	1.0
	Onsite Transportation	--	0	--	1	0	W	--	--	1.0
	Conventional Electricity Generation	--	--	0	W	W	0	W	--	1.0
	Other Nonprocess Use	--	0	0	W	0	0	0	--	1.0
	End Use Not Reported	W	*	0	W	0	0	0	W	1.0

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
3334	Primary Aluminum									
	RSE Column Factors:	NF	0.9	0.9	1.0	1.5	0.9	0.9	NF	
	TOTAL INPUTS	201	183	W	1	17	W	0	W	1.6
	Indirect Uses-Boiler Fuel	--	W	W	W	W	W	0	--	1.0
	Direct Uses-Total Process	--	178	0	W	14	*	0	--	1.5
	Process Heating	--	W	0	W	14	W	0	--	1.5
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	1.1
	Machine Drive	--	5	0	W	*	W	0	--	1.3
	Electro-Chemical Processes	--	173	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	0	0	0	--	1.1
	Direct Uses-Total Nonprocess	--	W	0	1	1	W	0	--	1.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	2	0	0	*	*	0	--	0.9
	Facility Lighting	--	2	--	--	--	--	--	--	1.0
	Facility Support	--	W	0	0	*	*	0	--	0.9
	Onsite Transportation	--	W	--	1	0	W	--	--	1.2
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	1	W	0	0	W	*	0	W	0.9
3339	Primary Nonferrous Metals, nec.									
	RSE Column Factors:	NF	1.4	0.7	1.1	1.1	1.2	0.7	NF	
	TOTAL INPUTS	38	14	W	W	12	*	8	4	14.6
	Indirect Uses-Boiler Fuel	--	W	W	*	W	*	8	--	23.6
	Direct Uses-Total Process	--	12	0	*	9	*	0	--	11.5
	Process Heating	--	3	0	W	9	*	0	--	13.6
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	13.2
	Machine Drive	--	2	0	W	*	*	0	--	14.8
	Electro-Chemical Processes	--	7	--	--	--	--	--	--	1.5
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	1	0	W	*	*	0	--	9.1
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	*	0	0	*	W	0	--	12.2
	Facility Lighting	--	*	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	*	*	W	0	--	16.8
	Onsite Transportation	--	*	--	W	*	*	--	--	7.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.7
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	5	W	0	*	W	*	0	4	20.4
3353	Aluminum Sheet, Plate, and Foil									
	RSE Column Factors:	NF	1.2	0.6	1.3	0.8	1.2	1.0	NF	
	TOTAL INPUTS	73	16	0	W	53	*	W	W	5.1
	Indirect Uses-Boiler Fuel	--	W	0	0	W	W	W	--	10.7
	Direct Uses-Total Process	--	15	0	*	47	*	0	--	5.0
	Process Heating	--	2	0	*	47	*	0	--	5.8
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	4.9
	Machine Drive	--	13	0	0	0	0	0	--	3.2
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	*	0	0	--	13.3
	Direct Uses-Total Nonprocess	--	W	0	W	3	W	0	--	4.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	0	W	3	W	0	--	7.1
	Facility Lighting	--	1	--	--	--	--	--	--	1.3
	Facility Support	--	W	0	*	*	*	0	--	8.0
	Onsite Transportation	--	W	--	*	0	W	--	--	3.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	W	W	0	W	W	W	0	W	10.7

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
34	FABRICATED METAL PRODUCTS									
	RSE Column Factors:	NF	0.9	0.8	1.6	0.9	1.5	0.6	NF	
	TOTAL INPUTS	365	115	3	4	220	5	W	W	12.3
	Indirect Uses-Boiler Fuel	--	1	2	1	39	*	W	--	20.6
	Direct Uses-Total Process	--	80	W	W	119	1	W	--	10.3
	Process Heating	--	15	Q	1	115	1	W	--	12.1
	Process Cooling and Refrigeration	--	3	0	0	*	W	0	--	23.1
	Machine Drive	--	56	W	W	3	*	0	--	16.2
	Electro-Chemical Processes	--	5	--	--	--	--	--	--	1.6
	Other Process Use	--	1	0	*	1	W	0	--	27.4
	Direct Uses-Total Nonprocess	--	27	W	1	49	3	W	--	9.3
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	12	W	1	47	*	W	--	12.1
	Facility Lighting	--	13	--	--	--	--	--	--	1.3
	Facility Support	--	2	0	*	2	*	0	--	16.4
	Onsite Transportation	--	*	--	1	*	3	--	--	5.6
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	1.1
	Other Nonprocess Use	--	*	0	*	*	*	0	--	29.4
	End Use Not Reported	34	7	*	W	13	*	0	W	24.1
35	INDUSTRIAL MACHINERY and EQUIPMENT									
	RSE Column Factors:	NF	0.6	1.1	1.3	0.7	1.2	1.4	NF	
	TOTAL INPUTS	245	109	W	4	110	3	11	W	8.5
	Indirect Uses-Boiler Fuel	--	1	2	1	21	*	9	--	15.7
	Direct Uses-Total Process	--	62	W	W	39	1	1	--	14.8
	Process Heating	--	11	*	W	36	1	1	--	17.8
	Process Cooling and Refrigeration	--	3	0	*	*	0	*	--	27.8
	Machine Drive	--	48	*	1	2	*	0	--	15.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.5
	Other Process Use	--	1	W	1	1	*	0	--	30.6
	Direct Uses-Total Nonprocess	--	40	*	1	42	2	*	--	13.4
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	19	*	1	40	1	*	--	16.6
	Facility Lighting	--	16	--	--	--	--	--	--	1.3
	Facility Support	--	4	0	*	2	*	0	--	24.1
	Onsite Transportation	--	*	--	1	*	W	--	--	5.0
	Conventional Electricity Generation	--	--	0	*	*	W	0	--	12.5
	Other Nonprocess Use	--	*	*	*	*	*	0	--	41.2
	End Use Not Reported	20	7	*	W	8	*	0	W	21.9
357	Computer and Office Equipment									
	RSE Column Factors:	NF	1.3	0.7	2.0	1.2	1.4	0.3	NF	
	TOTAL INPUTS	20	14	W	*	5	W	0	*	18.5
	Indirect Uses-Boiler Fuel	--	*	W	*	4	*	0	--	26.3
	Direct Uses-Total Process	--	5	0	0	*	0	0	--	20.4
	Process Heating	--	Q	0	0	*	0	0	--	34.1
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	22.3
	Machine Drive	--	3	0	0	*	0	0	--	21.6
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	0	*	0	0	--	18.6
	Direct Uses-Total Nonprocess	--	8	0	*	1	W	0	--	14.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	4	0	*	1	*	0	--	17.3
	Facility Lighting	--	2	--	--	--	--	--	--	1.5
	Facility Support	--	1	0	*	*	*	0	--	19.9
	Onsite Transportation	--	*	--	*	0	W	--	--	9.1
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	4.1
	Other Nonprocess Use	--	*	0	*	*	*	0	--	24.9
	End Use Not Reported	1	1	0	0	*	0	0	*	34.6

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
36	ELECTRONIC and OTHER ELECTRIC EQUIPMENT									
	RSE Column Factors:	NF	0.7	1.1	1.5	0.7	1.3	0.9	NF	
	TOTAL INPUTS	230	113	3	2	87	2	W	W	10.6
	Indirect Uses-Boiler Fuel	--	1	2	1	29	*	W	--	15.6
	Direct Uses-Total Process	--	64	*	W	35	1	W	--	17.2
	Process Heating	--	19	*	*	33	1	W	--	17.8
	Process Cooling and Refrigeration	--	7	*	*	*	0	0	--	25.8
	Machine Drive	--	33	0	W	1	*	0	--	21.2
	Electro-Chemical Processes	--	5	--	--	--	--	--	--	1.5
	Other Process Use	--	1	0	W	1	*	0	--	31.0
	Direct Uses-Total Nonprocess	--	45	*	*	20	1	0	--	12.6
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	25	*	*	18	*	0	--	14.7
	Facility Lighting	--	15	--	--	--	--	--	--	1.3
	Facility Support	--	4	0	*	1	*	0	--	19.1
	Onsite Transportation	--	*	--	W	*	1	--	--	4.9
	Conventional Electricity Generation	--	--	0	W	*	W	0	--	1.5
	Other Nonprocess Use	--	*	0	*	*	W	0	--	27.8
	End Use Not Reported	Q	4	*	W	3	*	0	W	27.7
37	TRANSPORTATION EQUIPMENT									
	RSE Column Factors:	NF	0.6	1.2	1.3	0.7	1.4	1.2	NF	
	TOTAL INPUTS	358	132	11	7	154	W	28	W	9.5
	Indirect Uses-Boiler Fuel	--	2	6	3	51	W	27	--	14.5
	Direct Uses-Total Process	--	75	1	W	63	1	*	--	16.0
	Process Heating	--	12	1	W	61	1	*	--	18.3
	Process Cooling and Refrigeration	--	5	0	*	*	0	0	--	28.8
	Machine Drive	--	52	0	1	1	*	0	--	19.4
	Electro-Chemical Processes	--	2	--	--	--	--	--	--	1.5
	Other Process Use	--	4	0	1	1	*	0	--	24.3
	Direct Uses-Total Nonprocess	--	51	5	2	34	2	*	--	14.5
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	24	2	*	30	1	*	--	18.8
	Facility Lighting	--	22	--	--	--	--	--	--	1.3
	Facility Support	--	5	W	*	2	*	0	--	19.7
	Onsite Transportation	--	1	--	1	*	2	--	--	5.0
	Conventional Electricity Generation	--	--	W	1	1	*	0	--	16.1
	Other Nonprocess Use	--	1	1	*	*	*	0	--	31.5
	End Use Not Reported	33	4	0	W	6	*	0	W	22.6
3711	Motor Vehicles and Car Bodies									
	RSE Column Factors:	NF	1.2	0.6	2.0	0.8	1.8	0.5	NF	
	TOTAL INPUTS	105	30	2	*	52	*	13	8	20.4
	Indirect Uses-Boiler Fuel	--	1	2	*	14	*	13	--	28.3
	Direct Uses-Total Process	--	19	0	*	29	*	0	--	14.7
	Process Heating	--	2	0	0	29	*	0	--	17.6
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--	14.1
	Machine Drive	--	13	0	*	*	0	0	--	19.4
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.7
	Other Process Use	--	1	0	0	0	0	0	--	16.6
	Direct Uses-Total Nonprocess	--	9	0	*	9	*	0	--	14.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	5	0	*	8	*	0	--	16.3
	Facility Lighting	--	3	--	--	--	--	--	--	1.5
	Facility Support	--	1	0	*	1	*	0	--	21.3
	Onsite Transportation	--	*	--	*	0	*	--	--	7.6
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	3.9
	Other Nonprocess Use	--	*	0	*	0	0	0	--	39.7
	End Use Not Reported	9	1	0	*	0	*	0	8	24.5

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
3714	Motor Vehicle Parts and Accessories									
	RSE Column Factors:	NF	0.8	0.8	1.4	0.7	1.6	1.1	NF	
	TOTAL INPUTS	117	46	W	1	54	W	10	W	17.2
	Indirect Uses-Boiler Fuel	--	*	W	1	15	W	10	--	21.3
	Direct Uses-Total Process	--	31	0	W	24	*	*	--	16.4
	Process Heating	--	5	0	W	24	*	*	--	18.8
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	29.1
	Machine Drive	--	23	0	*	*	*	0	--	16.5
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.6
	Other Process Use	--	1	0	*	*	*	0	--	35.2
	Direct Uses-Total Nonprocess	--	14	0	*	13	1	*	--	20.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	6	0	*	12	*	*	--	20.1
	Facility Lighting	--	6	--	--	--	--	--	--	1.4
	Facility Support	--	1	0	*	1	*	0	--	19.1
	Onsite Transportation	--	*	--	*	*	1	--	--	5.7
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	5.7
	Other Nonprocess Use	--	*	0	*	0	*	0	--	38.9
	End Use Not Reported	7	1	0	W	2	*	0	W	32.1
38	INSTRUMENTS and RELATED PRODUCTS									
	RSE Column Factors:	NF	0.6	0.9	1.2	1.0	1.7	0.9	NF	
	TOTAL INPUTS	106	46	4	1	W	W	23	W	14.6
	Indirect Uses-Boiler Fuel	--	W	3	1	13	W	23	--	18.7
	Direct Uses-Total Process	--	18	*	*	5	*	0	--	13.1
	Process Heating	--	3	*	*	5	*	0	--	14.5
	Process Cooling and Refrigeration	--	3	0	0	*	0	0	--	22.1
	Machine Drive	--	11	0	*	*	*	0	--	14.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.5
	Other Process Use	--	1	0	*	*	*	0	--	35.8
	Direct Uses-Total Nonprocess	--	23	*	1	9	*	0	--	17.2
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	11	*	*	8	*	0	--	19.7
	Facility Lighting	--	8	--	--	--	--	--	--	1.3
	Facility Support	--	3	0	*	1	*	0	--	17.5
	Onsite Transportation	--	*	--	*	*	*	--	--	6.0
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	10.6
	Other Nonprocess Use	--	1	0	*	*	*	0	--	21.8
	End Use Not Reported	9	W	0	*	W	*	*	W	20.9
3841	Surgical and Medical Instruments									
	RSE Column Factors:	NF	0.9	0.9	1.8	1.0	1.6	0.5	NF	
	TOTAL INPUTS	7	5	*	*	2	*	0	*	19.4
	Indirect Uses-Boiler Fuel	--	*	*	*	1	*	0	--	23.2
	Direct Uses-Total Process	--	2	0	*	*	*	0	--	18.7
	Process Heating	--	*	0	*	*	*	0	--	22.5
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	11.4
	Machine Drive	--	1	0	*	*	*	0	--	21.9
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	*	*	0	0	--	31.9
	Direct Uses-Total Nonprocess	--	3	0	*	1	*	0	--	13.8
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	1	0	*	1	*	0	--	14.6
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Facility Support	--	*	0	*	*	*	0	--	17.7
	Onsite Transportation	--	*	--	*	0	*	--	--	3.4
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	7.7
	Other Nonprocess Use	--	*	0	0	0	*	0	--	31.6
	End Use Not Reported	1	*	0	*	*	*	0	*	28.2

See footnotes at end of table.

Table A8. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 2 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	End-Use Categories	Total	Net Electricity ^b	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^c	Natural Gas ^d	LPG	Coal (excluding Coal Coke and Breeze)	Other ^e	RSE Row Factors
39	MISC. MANUFACTURING INDUSTRIES									
	RSE Column Factors:	NF	1.1	0.5	1.6	0.9	1.6	0.7	NF	
	TOTAL INPUTS	51	19	1	1	19	W	1	W	19.6
	Indirect Uses-Boiler Fuel	--	*	1	*	5	W	1	--	30.2
	Direct Uses-Total Process	--	10	*	W	7	*	0	--	12.9
	Process Heating	--	2	*	W	6	*	0	--	14.8
	Process Cooling and Refrigeration	--	1	0	0	W	0	0	--	11.3
	Machine Drive	--	7	0	*	*	*	0	--	18.5
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.8
	Other Process Use	--	*	0	*	W	*	0	--	33.5
	Direct Uses-Total Nonprocess	--	7	*	Q	5	*	0	--	13.0
	Facility Heating, Ventilation, and Air Conditioning ^f ..	--	3	*	*	5	*	0	--	14.6
	Facility Lighting	--	3	--	--	--	--	--	--	1.6
	Facility Support	--	1	0	*	*	*	0	--	20.1
	Onsite Transportation	--	*	--	*	*	*	--	--	5.2
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	5.0
	Other Nonprocess Use	--	*	0	0	*	0	0	--	33.1
	End Use Not Reported	Q	1	*	W	1	*	0	W	25.9

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^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 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 producers, brokers, and marketers.

^e "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.

^f Excludes steam and hot water.

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.

-- Estimation of energy input is not applicable.

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 for the production of heat and power, 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. • Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
20-39	ALL INDUSTRY GROUPS									
	RSE Column Factors:	NA	0.4	1.4	1.2	0.8	1.1	1.8	NA	
	TOTAL INPUTS	246,925	243,452	3,080	35,920	158,773	56,438	1,397	35,118	3.2
	Indirect Uses-Boiler Fuel	--	15,269	2,108	6,802	33,241	2,541	763	--	4.9
	Direct Uses-Total Process	--	182,404	720	8,916	46,278	13,574	357	--	4.6
	Process Heating	--	52,142	590	2,462	41,266	7,043	336	--	6.2
	Process Cooling and Refrigeration	--	35,158	8	253	1,261	93	3	--	17.2
	Machine Drive	--	174,487	127	5,839	5,434	6,400	24	--	8.8
	Electro-Chemical Processes	--	4,311	--	--	--	--	--	--	1.4
	Other Process Use	--	1,905	28	683	1,366	575	W	--	24.1
	Direct Uses-Total Nonprocess	--	194,284	690	18,441	110,688	40,977	223	--	5.2
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	169,157	651	6,630	105,861	9,921	210	--	6.9
	Facility Lighting	--	188,429	--	--	--	--	--	--	1.0
	Facility Support	--	103,610	119	1,090	29,492	1,904	5	--	11.6
	Onsite Transportation	--	5,153	--	10,842	374	31,966	--	--	3.7
	Conventional Electricity Generation	--	--	8	693	368	Q	19	--	6.8
	Other Nonprocess Use	--	1,272	20	442	543	272	0	--	20.0
	End Use Not Reported	89,155	43,005	154	5,947	26,983	9,258	Q	35,118	8.1
20	FOOD and KINDRED PRODUCTS									
	RSE Column Factors:	NA	0.6	1.3	1.4	0.8	1.2	1.0	NA	
	TOTAL INPUTS	14,698	14,637	575	3,249	11,042	3,873	173	1,963	5.7
	Indirect Uses-Boiler Fuel	--	2,818	445	1,665	6,921	422	162	--	9.0
	Direct Uses-Total Process	--	12,506	72	307	5,494	954	46	--	11.9
	Process Heating	--	4,255	65	183	5,186	650	27	--	15.3
	Process Cooling and Refrigeration	--	8,467	0	70	254	W	0	--	15.7
	Machine Drive	--	11,753	6	83	376	295	Q	--	15.5
	Electro-Chemical Processes	--	84	--	--	--	--	--	--	1.7
	Other Process Use	--	144	5	13	90	24	W	--	23.1
	Direct Uses-Total Nonprocess	--	12,240	132	1,454	6,460	2,840	22	--	12.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	10,992	129	589	5,783	663	15	--	17.7
	Facility Lighting	--	12,045	--	--	--	--	--	--	1.2
	Facility Support	--	6,546	15	344	2,217	262	W	--	16.5
	Onsite Transportation	--	916	--	620	15	2,346	--	--	6.3
	Conventional Electricity Generation	--	--	W	86	64	Q	11	--	11.0
	Other Nonprocess Use	--	73	0	109	38	Q	0	--	36.2
	End Use Not Reported	4,665	2,019	26	446	1,158	600	W	1,963	21.7
2011	Meat Packing Plants									
	RSE Column Factors:	NA	1.1	0.9	1.4	1.2	1.5	0.4	NA	
	TOTAL INPUTS	759	759	21	144	528	121	W	99	7.5
	Indirect Uses-Boiler Fuel	--	239	19	100	339	42	W	--	16.3
	Direct Uses-Total Process	--	505	W	28	255	45	W	--	16.7
	Process Heating	--	184	W	9	195	41	W	--	17.6
	Process Cooling and Refrigeration	--	486	0	W	64	0	0	--	20.3
	Machine Drive	--	424	0	0	W	W	0	--	12.8
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.7
	Other Process Use	--	5	0	5	W	W	0	--	19.9
	Direct Uses-Total Nonprocess	--	501	4	91	234	117	W	--	14.9
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	475	W	5	212	85	W	--	16.7
	Facility Lighting	--	482	--	--	--	--	--	--	1.5
	Facility Support	--	267	W	W	59	22	0	--	19.9
	Onsite Transportation	--	29	--	69	0	51	--	--	7.9
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	4.0
	Other Nonprocess Use	--	0	0	18	0	W	0	--	29.2
	End Use Not Reported	357	252	0	0	161	17	0	99	23.2

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2033	Canned Fruits and Vegetables									
	RSE Column Factors:	NA	0.5	0.9	1.9	0.8	1.6	0.9	NA	
	TOTAL INPUTS	531	531	53	97	507	287	W	94	8.0
	Indirect Uses-Boiler Fuel	--	132	38	30	467	W	W	--	15.7
	Direct Uses-Total Process	--	520	10	4	75	13	0	--	14.9
	Process Heating	--	65	10	0	63	9	0	--	33.0
	Process Cooling and Refrigeration	--	255	0	0	8	0	0	--	29.1
	Machine Drive	--	516	0	4	5	4	0	--	15.0
	Electro-Chemical Processes	--	3	--	--	--	--	--	--	1.7
	Other Process Use	--	8	0	0	6	0	0	--	42.8
	Direct Uses-Total Nonprocess	--	510	W	70	371	273	0	--	6.6
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	447	W	5	365	61	0	--	14.3
	Facility Lighting	--	507	--	--	--	--	--	--	1.1
	Facility Support	--	236	0	W	51	57	0	--	31.6
	Onsite Transportation	--	42	--	65	0	214	--	--	5.2
	Conventional Electricity Generation	--	--	0	6	5	0	0	--	9.5
	Other Nonprocess Use	--	0	0	0	0	W	0	--	0.0
	End Use Not Reported	125	W	W	9	Q	21	0	94	17.7
2037	Frozen Fruits and Vegetables									
	RSE Column Factors:	NA	0.4	1.0	1.0	2.3	1.0	1.0	NA	
	TOTAL INPUTS	232	231	Q	Q	195	Q	0	Q	4.4
	Indirect Uses-Boiler Fuel	--	Q	Q	Q	Q	W	0	--	0.0
	Direct Uses-Total Process	--	231	Q	Q	Q	Q	0	--	2.7
	Process Heating	--	Q	Q	W	Q	Q	0	--	0.0
	Process Cooling and Refrigeration	--	Q	0	W	W	0	0	--	0.0
	Machine Drive	--	229	0	Q	W	Q	0	--	2.7
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	0.8
	Other Process Use	--	Q	0	W	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	228	W	Q	128	Q	0	--	7.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	213	W	Q	126	Q	0	--	18.5
	Facility Lighting	--	227	--	--	--	--	--	--	1.1
	Facility Support	--	141	W	0	Q	W	0	--	101.4
	Onsite Transportation	--	Q	--	Q	0	Q	--	--	1.0
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	2.7
	Other Nonprocess Use	--	W	0	W	0	0	0	--	0.0
	End Use Not Reported	Q	0	W	Q	W	Q	0	Q	0.0
2046	Wet Corn Milling									
	RSE Column Factors:	NA	0.6	1.0	2.0	0.7	1.6	0.7	NA	
	TOTAL INPUTS	58	58	4	20	48	16	20	W	5.7
	Indirect Uses-Boiler Fuel	--	13	4	4	37	W	20	--	12.5
	Direct Uses-Total Process	--	51	0	4	37	3	0	--	7.0
	Process Heating	--	8	0	W	37	3	0	--	12.8
	Process Cooling and Refrigeration	--	10	0	0	0	0	0	--	19.0
	Machine Drive	--	50	0	3	0	0	0	--	7.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	50	0	13	16	16	0	--	6.4
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	42	0	W	13	7	0	--	10.6
	Facility Lighting	--	50	--	--	--	--	--	--	1.2
	Facility Support	--	11	0	W	W	0	0	--	21.1
	Onsite Transportation	--	W	--	10	0	8	--	--	5.2
	Conventional Electricity Generation	--	--	0	3	0	0	0	--	4.3
	Other Nonprocess Use	--	W	0	0	W	0	0	--	49.4
	End Use Not Reported	24	6	0	0	4	W	0	W	23.9

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2051	Bread, Cake, and Related Products									
	RSE Column Factors:	NA	1.1	0.8	2.0	1.1	1.4	0.4	NA	
	TOTAL INPUTS	1,303	1,303	13	250	1,011	179	0	138	10.9
	Indirect Uses-Boiler Fuel	--	322	13	Q	576	49	0	--	23.6
	Direct Uses-Total Process	--	880	W	11	768	63	0	--	16.1
	Process Heating	--	378	W	9	755	63	0	--	17.4
	Process Cooling and Refrigeration	--	716	0	0	19	0	0	--	21.1
	Machine Drive	--	872	0	0	41	0	0	--	20.5
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.9
	Other Process Use	--	19	0	W	10	0	0	--	26.6
	Direct Uses-Total Nonprocess	--	875	0	230	646	129	0	--	16.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	855	0	Q	556	19	0	--	16.5
	Facility Lighting	--	871	--	--	--	--	--	--	1.6
	Facility Support	--	548	0	14	221	20	0	--	20.5
	Onsite Transportation	--	59	--	7	0	97	--	--	7.7
	Conventional Electricity Generation	--	--	0	15	22	Q	0	--	8.7
	Other Nonprocess Use	--	6	0	14	0	0	0	--	26.1
	End Use Not Reported	597	422	0	0	243	35	0	138	30.5
2061	Cane Sugar, Except Refining									
	RSE Column Factors:	NA	0.5	1.2	0.9	0.9	1.8	1.1	NA	
	TOTAL INPUTS	43	43	12	26	25	6	W	39	6.0
	Indirect Uses-Boiler Fuel	--	12	10	4	24	3	W	--	11.1
	Direct Uses-Total Process	--	34	W	6	W	W	0	--	14.7
	Process Heating	--	7	W	W	W	0	0	--	24.8
	Process Cooling and Refrigeration	--	3	0	0	0	0	0	--	29.3
	Machine Drive	--	34	W	4	0	0	0	--	13.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.8
	Other Process Use	--	3	0	0	0	W	0	--	21.8
	Direct Uses-Total Nonprocess	--	33	W	20	10	W	0	--	9.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	29	0	0	8	W	0	--	11.1
	Facility Lighting	--	33	--	--	--	--	--	--	1.2
	Facility Support	--	20	0	0	3	0	0	--	13.0
	Onsite Transportation	--	0	--	17	0	W	--	--	3.0
	Conventional Electricity Generation	--	--	W	4	0	0	0	--	9.0
	Other Nonprocess Use	--	3	0	W	0	0	0	--	25.8
	End Use Not Reported	40	W	W	W	W	0	0	39	31.6
2062	Cane Sugar Refining									
	RSE Column Factors:	NA	0.4	1.2	1.7	1.4	1.7	0.6	NA	
	TOTAL INPUTS	20	20	8	15	11	11	0	8	5.9
	Indirect Uses-Boiler Fuel	--	9	6	8	11	5	0	--	13.4
	Direct Uses-Total Process	--	20	6	6	11	3	0	--	8.7
	Process Heating	--	8	5	5	11	3	0	--	16.2
	Process Cooling and Refrigeration	--	8	0	0	0	0	0	--	41.4
	Machine Drive	--	20	W	W	0	0	0	--	12.8
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.8
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	20	0	11	W	8	0	--	8.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	17	0	0	W	0	0	--	19.6
	Facility Lighting	--	20	--	--	--	--	--	--	1.0
	Facility Support	--	12	0	W	0	0	0	--	20.1
	Onsite Transportation	--	W	--	6	0	8	--	--	6.8
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	8.0
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	9	0	0	0	0	W	0	8	22.7

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2063	Beet Sugar									
	RSE Column Factors:	NA	0.7	1.0	1.4	0.8	1.2	1.1	NA	
	TOTAL INPUTS	41	41	13	30	36	28	28	W	1.2
	Indirect Uses-Boiler Fuel	--	5	8	W	35	0	26	--	3.2
	Direct Uses-Total Process	--	39	10	W	28	3	16	--	2.4
	Process Heating	--	W	10	W	28	W	15	--	3.6
	Process Cooling and Refrigeration	--	W	0	0	0	0	0	--	10.1
	Machine Drive	--	39	0	0	W	W	W	--	5.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	39	0	27	22	25	6	--	2.0
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	31	0	0	21	9	W	--	3.0
	Facility Lighting	--	39	--	--	--	--	--	--	1.0
	Facility Support	--	19	0	0	10	7	W	--	4.2
	Onsite Transportation	--	W	--	27	0	18	--	--	1.9
	Conventional Electricity Generation	--	--	0	W	W	0	6	--	4.2
	Other Nonprocess Use	--	0	0	0	0	W	0	--	7.5
	End Use Not Reported	34	W	0	0	0	0	0	W	13.0
2075	Soybean Oil Mills									
	RSE Column Factors:	NA	1.2	0.9	1.1	1.0	0.9	0.9	NA	
	TOTAL INPUTS	95	92	13	38	88	13	18	31	1.0
	Indirect Uses-Boiler Fuel	--	37	13	12	73	W	18	--	1.3
	Direct Uses-Total Process	--	86	0	7	54	W	W	--	1.0
	Process Heating	--	16	0	5	50	0	W	--	1.0
	Process Cooling and Refrigeration	--	38	0	0	0	0	0	--	0.8
	Machine Drive	--	80	0	W	0	0	0	--	0.9
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.0
	Other Process Use	--	3	0	0	10	W	0	--	1.0
	Direct Uses-Total Nonprocess	--	80	W	23	31	8	W	--	1.0
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	68	W	0	27	W	0	--	1.0
	Facility Lighting	--	80	--	--	--	--	--	--	1.0
	Facility Support	--	41	W	0	5	0	0	--	1.0
	Onsite Transportation	--	W	--	21	0	7	--	--	2.0
	Conventional Electricity Generation	--	--	0	W	W	0	W	--	1.0
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	40	3	0	W	3	W	0	31	1.0
2082	Malt Beverages									
	RSE Column Factors:	NA	0.4	1.0	1.4	1.1	1.6	0.9	NA	
	TOTAL INPUTS	140	140	47	35	133	80	33	58	4.4
	Indirect Uses-Boiler Fuel	--	32	47	15	105	9	33	--	11.4
	Direct Uses-Total Process	--	137	W	W	51	35	0	--	7.6
	Process Heating	--	50	W	0	51	35	0	--	15.1
	Process Cooling and Refrigeration	--	137	0	W	0	0	0	--	4.0
	Machine Drive	--	137	0	0	0	0	0	--	2.3
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.8
	Other Process Use	--	W	0	0	0	0	0	--	21.1
	Direct Uses-Total Nonprocess	--	137	7	23	66	61	0	--	6.9
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	137	7	W	66	33	0	--	8.2
	Facility Lighting	--	137	--	--	--	--	--	--	1.0
	Facility Support	--	90	0	0	0	0	0	--	14.1
	Onsite Transportation	--	18	--	14	W	33	--	--	5.8
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	2.3
	Other Nonprocess Use	--	W	0	5	0	0	0	--	12.1
	End Use Not Reported	58	W	0	0	0	W	0	58	20.7

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
21	TOBACCO PRODUCTS									
	RSE Column Factors:	NA	0.5	1.1	1.6	0.8	1.5	0.9	NA	
	TOTAL INPUTS	121	121	42	42	94	48	31	48	4.7
	Indirect Uses-Boiler Fuel	--	31	35	32	78	W	31	--	7.9
	Direct Uses-Total Process	--	104	7	6	32	W	0	--	8.7
	Process Heating	--	38	7	W	32	W	0	--	10.6
	Process Cooling and Refrigeration	--	48	W	0	7	0	0	--	14.5
	Machine Drive	--	104	0	W	W	0	0	--	10.9
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	6	0	0	W	0	0	--	19.3
	Direct Uses-Total Nonprocess	--	104	7	11	42	41	0	--	7.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	98	7	0	32	W	0	--	10.2
	Facility Lighting	--	104	--	--	--	--	--	--	1.3
	Facility Support	--	53	7	0	20	0	0	--	10.7
	Onsite Transportation	--	0	--	7	0	38	--	--	2.7
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	4.2
	Other Nonprocess Use	--	0	0	W	0	W	0	--	9.7
	End Use Not Reported	65	W	0	0	0	0	0	48	53.5
22	TEXTILE MILL PRODUCTS									
	RSE Column Factors:	NA	0.6	1.0	1.4	1.1	1.3	0.9	NA	
	TOTAL INPUTS	4,427	4,427	441	668	2,517	1,282	85	448	9.8
	Indirect Uses-Boiler Fuel	--	432	354	360	1,427	Q	82	--	17.8
	Direct Uses-Total Process	--	3,886	75	83	1,295	220	0	--	17.3
	Process Heating	--	878	69	44	1,027	177	0	--	23.0
	Process Cooling and Refrigeration	--	428	0	0	W	0	0	--	23.8
	Machine Drive	--	3,820	W	Q	273	Q	0	--	16.4
	Electro-Chemical Processes	--	25	--	--	--	--	--	--	1.9
	Other Process Use	--	47	0	0	Q	Q	0	--	68.2
	Direct Uses-Total Nonprocess	--	3,829	58	319	1,411	1,013	3	--	19.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	3,420	39	252	1,391	378	W	--	23.5
	Facility Lighting	--	3,664	--	--	--	--	--	--	1.3
	Facility Support	--	1,590	Q	13	233	10	0	--	32.0
	Onsite Transportation	--	130	--	53	W	757	--	--	9.1
	Conventional Electricity Generation	--	--	0	3	3	6	W	--	17.0
	Other Nonprocess Use	--	9	W	10	0	0	0	--	44.1
	End Use Not Reported	1,218	517	27	26	176	Q	W	448	34.1
23	APPAREL and OTHER TEXTILE PRODUCTS									
	RSE Column Factors:	NA	0.8	0.7	1.7	0.8	1.6	0.8	NA	
	TOTAL INPUTS	18,019	17,754	20	876	8,885	1,330	5	528	11.7
	Indirect Uses-Boiler Fuel	--	1,329	13	248	1,969	59	5	--	25.0
	Direct Uses-Total Process	--	11,075	W	24	1,316	534	0	--	13.9
	Process Heating	--	1,877	0	13	1,009	465	0	--	22.0
	Process Cooling and Refrigeration	--	1,144	0	0	129	0	0	--	35.5
	Machine Drive	--	10,870	W	W	233	66	0	--	15.7
	Electro-Chemical Processes	--	15	--	--	--	--	--	--	1.9
	Other Process Use	--	30	0	W	47	W	0	--	38.5
	Direct Uses-Total Nonprocess	--	12,014	0	585	5,841	656	0	--	11.4
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	10,200	0	547	5,681	220	0	--	12.9
	Facility Lighting	--	11,622	--	--	--	--	--	--	1.3
	Facility Support	--	6,072	0	W	1,259	Q	0	--	15.7
	Onsite Transportation	--	233	--	38	0	478	--	--	6.3
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	1.2
	Other Nonprocess Use	--	21	0	W	21	0	0	--	60.8
	End Use Not Reported	5,760	5,066	0	63	1,872	130	0	528	20.2

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
24	LUMBER and WOOD PRODUCTS									
	RSE Column Factors:	NA	0.7	1.3	1.2	1.0	1.1	0.9	NA	
	TOTAL INPUTS	21,481	18,896	83	9,251	7,557	5,075	8	5,788	9.3
	Indirect Uses-Boiler Fuel	--	758	20	428	910	181	8	--	20.9
	Direct Uses-Total Process	--	14,480	Q	4,248	1,777	1,281	0	--	9.6
	Process Heating	--	2,558	Q	522	1,564	342	0	--	19.8
	Process Cooling and Refrigeration	--	791	0	0	W	25	0	--	36.8
	Machine Drive	--	13,875	0	3,487	275	1,090	0	--	12.7
	Electro-Chemical Processes	--	36	--	--	--	--	--	--	1.8
	Other Process Use	--	Q	0	Q	26	25	0	--	32.9
	Direct Uses-Total Nonprocess	--	14,302	63	3,245	5,035	3,088	0	--	10.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	10,367	63	468	4,736	1,276	0	--	14.8
	Facility Lighting	--	13,857	--	--	--	--	--	--	1.3
	Facility Support	--	7,015	0	106	981	67	0	--	22.4
	Onsite Transportation	--	140	--	2,695	49	1,912	--	--	6.0
	Conventional Electricity Generation	--	--	0	61	W	0	0	--	7.3
	Other Nonprocess Use	--	19	0	23	7	W	0	--	27.6
	End Use Not Reported	9,608	3,371	0	1,801	1,095	1,252	0	5,788	15.3
2421	Sawmills and Planing Mills, General									
	RSE Column Factors:	NA	1.1	0.6	1.4	1.6	1.6	0.5	NA	
	TOTAL INPUTS	3,406	3,191	Q	2,044	657	447	0	1,377	6.7
	Indirect Uses-Boiler Fuel	--	261	W	109	233	16	0	--	28.6
	Direct Uses-Total Process	--	2,443	W	882	157	87	0	--	10.8
	Process Heating	--	633	W	79	142	25	0	--	15.8
	Process Cooling and Refrigeration	--	117	0	0	W	W	0	--	29.4
	Machine Drive	--	2,411	0	824	W	51	0	--	11.8
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	0	Q	0	--	32.1
	Direct Uses-Total Nonprocess	--	2,427	Q	984	313	270	0	--	10.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	1,824	Q	55	313	103	0	--	16.7
	Facility Lighting	--	2,306	--	--	--	--	--	--	1.4
	Facility Support	--	1,030	0	Q	21	Q	0	--	17.6
	Onsite Transportation	--	11	--	967	0	181	--	--	6.9
	Conventional Electricity Generation	--	--	0	Q	0	0	0	--	0.9
	Other Nonprocess Use	--	Q	0	W	0	W	0	--	20.5
	End Use Not Reported	1,823	538	0	261	131	97	0	1,377	18.4
2436	Softwood Veneer and Plywood									
	RSE Column Factors:	NA	0.7	1.4	1.3	1.4	1.0	0.6	NA	
	TOTAL INPUTS	182	182	W	158	67	160	0	174	3.7
	Indirect Uses-Boiler Fuel	--	40	W	13	31	18	0	--	16.0
	Direct Uses-Total Process	--	167	0	34	33	31	0	--	6.9
	Process Heating	--	33	0	0	33	4	0	--	10.1
	Process Cooling and Refrigeration	--	14	0	0	0	0	0	--	10.7
	Machine Drive	--	165	0	32	0	23	0	--	7.1
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.6
	Other Process Use	--	W	0	W	0	4	0	--	12.1
	Direct Uses-Total Nonprocess	--	165	0	124	25	129	0	--	4.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	128	0	9	25	16	0	--	13.8
	Facility Lighting	--	162	--	--	--	--	--	--	1.1
	Facility Support	--	82	0	0	0	0	0	--	8.0
	Onsite Transportation	--	W	--	118	0	121	--	--	3.1
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	4.6
	Other Nonprocess Use	--	0	0	6	0	0	0	--	7.1
	End Use Not Reported	178	6	0	7	4	19	0	174	14.0

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2493	Reconstituted Wood Products									
	RSE Column Factors:	NA	0.8	0.4	1.9	1.3	1.7	0.7	NA	
	TOTAL INPUTS	246	246	Q	100	132	129	W	107	17.8
	Indirect Uses-Boiler Fuel	--	31	Q	Q	61	Q	W	--	45.7
	Direct Uses-Total Process	--	146	W	21	72	39	0	--	34.9
	Process Heating	--	Q	W	Q	61	26	0	--	32.7
	Process Cooling and Refrigeration	--	18	0	0	0	0	0	--	62.1
	Machine Drive	--	146	0	Q	Q	Q	0	--	56.8
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.9
	Other Process Use	--	Q	0	0	Q	W	0	--	0.0
	Direct Uses-Total Nonprocess	--	237	W	77	Q	111	0	--	13.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	191	W	0	Q	Q	0	--	21.1
	Facility Lighting	--	235	--	--	--	--	--	--	1.2
	Facility Support	--	145	0	W	W	Q	0	--	42.3
	Onsite Transportation	--	W	--	77	0	101	--	--	10.5
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	1.3
	Other Nonprocess Use	--	W	0	0	0	0	0	--	0.0
	End Use Not Reported	118	Q	0	W	Q	Q	0	107	0.0
25	FURNITURE and FIXTURES									
	RSE Column Factors:	NA	0.7	0.9	1.3	0.8	1.3	1.2	NA	
	TOTAL INPUTS	7,686	7,535	43	566	5,109	2,669	85	745	10.7
	Indirect Uses-Boiler Fuel	--	467	29	131	660	38	75	--	22.7
	Direct Uses-Total Process	--	5,790	3	Q	1,133	354	7	--	19.1
	Process Heating	--	948	3	17	991	81	7	--	23.9
	Process Cooling and Refrigeration	--	278	0	0	5	0	0	--	45.5
	Machine Drive	--	5,688	W	Q	185	269	Q	--	28.9
	Electro-Chemical Processes	--	36	--	--	--	--	--	--	1.8
	Other Process Use	--	Q	0	0	Q	W	0	--	0.0
	Direct Uses-Total Nonprocess	--	6,165	Q	370	3,672	1,882	Q	--	15.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	5,472	Q	Q	3,474	405	Q	--	19.1
	Facility Lighting	--	6,020	--	--	--	--	--	--	1.3
	Facility Support	--	3,245	0	0	1,030	7	0	--	22.4
	Onsite Transportation	--	112	--	172	0	1,656	--	--	5.3
	Conventional Electricity Generation	--	--	0	0	0	3	0	--	5.5
	Other Nonprocess Use	--	Q	0	Q	Q	5	0	--	20.1
	End Use Not Reported	2,688	1,371	W	Q	930	600	Q	745	25.5
2511	Wood Furniture, Except Upholstered									
	RSE Column Factors:	NA	0.5	1.0	1.1	1.1	1.6	1.0	NA	
	TOTAL INPUTS	1,543	1,543	25	233	776	460	62	382	13.8
	Indirect Uses-Boiler Fuel	--	115	24	31	110	25	56	--	29.5
	Direct Uses-Total Process	--	1,319	W	16	187	26	W	--	29.0
	Process Heating	--	132	W	13	180	Q	W	--	38.5
	Process Cooling and Refrigeration	--	15	0	0	0	0	0	--	56.7
	Machine Drive	--	1,292	W	6	Q	4	W	--	29.8
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	0.9
	Other Process Use	--	Q	0	0	W	0	0	--	39.8
	Direct Uses-Total Nonprocess	--	1,338	W	178	540	355	W	--	24.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	1,194	W	Q	513	Q	W	--	30.1
	Facility Lighting	--	1,338	--	--	--	--	--	--	1.4
	Facility Support	--	757	0	0	311	W	0	--	33.6
	Onsite Transportation	--	22	--	123	0	305	--	--	7.5
	Conventional Electricity Generation	--	--	0	0	0	W	0	--	7.2
	Other Nonprocess Use	--	0	0	Q	Q	W	0	--	26.4
	End Use Not Reported	699	205	0	Q	163	Q	W	382	60.4

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
26	PAPER and ALLIED PRODUCTS									
	RSE Column Factors:	NA	0.7	0.8	1.4	1.1	1.4	0.9	NA	
	TOTAL INPUTS	5,582	5,547	382	878	4,290	2,321	173	807	4.8
	Indirect Uses-Boiler Fuel	--	472	325	276	1,588	103	147	--	6.5
	Direct Uses-Total Process	--	4,993	112	162	1,389	400	W	--	8.9
	Process Heating	--	1,008	95	89	1,166	101	W	--	11.8
	Process Cooling and Refrigeration	--	777	0	0	36	0	0	--	22.6
	Machine Drive	--	4,899	18	61	211	292	W	--	16.1
	Electro-Chemical Processes	--	43	--	--	--	--	--	--	1.5
	Other Process Use	--	49	0	16	36	15	0	--	22.4
	Direct Uses-Total Nonprocess	--	4,925	54	569	3,024	1,660	Q	--	7.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	4,237	52	281	2,962	133	Q	--	12.1
	Facility Lighting	--	4,793	--	--	--	--	--	--	1.2
	Facility Support	--	2,300	W	36	531	50	0	--	15.5
	Onsite Transportation	--	277	--	255	Q	1,542	--	--	3.8
	Conventional Electricity Generation	--	--	4	9	28	3	W	--	10.0
	Other Nonprocess Use	--	43	W	42	14	Q	0	--	32.9
	End Use Not Reported	1,543	357	16	69	376	463	W	807	15.3
2611	Pulp Mills									
	RSE Column Factors:	NA	0.6	0.9	1.3	1.0	1.2	1.1	NA	
	TOTAL INPUTS	55	55	26	38	40	36	7	40	3.2
	Indirect Uses-Boiler Fuel	--	14	22	15	34	10	7	--	6.1
	Direct Uses-Total Process	--	52	15	12	22	10	0	--	4.5
	Process Heating	--	12	15	7	22	9	0	--	7.3
	Process Cooling and Refrigeration	--	15	0	0	0	0	0	--	9.2
	Machine Drive	--	52	0	5	W	W	0	--	8.3
	Electro-Chemical Processes	--	3	--	--	--	--	--	--	1.6
	Other Process Use	--	5	0	0	0	W	0	--	17.2
	Direct Uses-Total Nonprocess	--	48	0	22	14	24	0	--	4.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	41	0	3	14	0	0	--	7.1
	Facility Lighting	--	46	--	--	--	--	--	--	1.1
	Facility Support	--	15	0	0	W	W	0	--	14.3
	Onsite Transportation	--	0	--	21	0	22	--	--	2.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.5
	Other Nonprocess Use	--	3	0	0	0	0	0	--	21.6
	End Use Not Reported	40	0	W	W	0	5	0	40	15.0
2621	Paper Mills									
	RSE Column Factors:	NA	0.5	1.2	1.0	0.8	1.0	2.0	NA	
	TOTAL INPUTS	310	310	153	166	232	198	80	196	1.7
	Indirect Uses-Boiler Fuel	--	85	136	56	196	13	79	--	3.2
	Direct Uses-Total Process	--	279	50	42	144	34	W	--	3.9
	Process Heating	--	59	46	17	134	23	W	--	5.6
	Process Cooling and Refrigeration	--	55	0	0	W	0	0	--	15.9
	Machine Drive	--	277	4	24	13	13	W	--	7.1
	Electro-Chemical Processes	--	13	--	--	--	--	--	--	1.4
	Other Process Use	--	11	0	5	3	0	0	--	15.6
	Direct Uses-Total Nonprocess	--	268	17	117	91	162	3	--	3.4
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	231	17	19	77	14	3	--	5.0
	Facility Lighting	--	262	--	--	--	--	--	--	1.0
	Facility Support	--	115	W	3	8	5	0	--	11.4
	Onsite Transportation	--	14	--	103	0	153	--	--	2.0
	Conventional Electricity Generation	--	--	3	5	11	0	W	--	8.2
	Other Nonprocess Use	--	5	W	6	W	3	0	--	18.9
	End Use Not Reported	212	10	4	10	6	26	0	196	10.5

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2631	Paperboard Mills									
	RSE Column Factors:	NA	0.6	1.0	1.2	0.8	1.1	1.6	NA	
	TOTAL INPUTS	219	219	101	102	189	117	57	105	1.1
	Indirect Uses-Boiler Fuel	--	55	88	35	154	7	54	--	2.2
	Direct Uses-Total Process	--	202	36	7	90	15	W	--	3.4
	Process Heating	--	36	32	W	82	10	W	--	5.0
	Process Cooling and Refrigeration	--	35	0	0	W	0	0	--	7.5
	Machine Drive	--	198	3	3	10	3	0	--	5.3
	Electro-Chemical Processes	--	8	--	--	--	--	--	--	1.3
	Other Process Use	--	5	0	W	0	W	0	--	10.0
	Direct Uses-Total Nonprocess	--	191	8	73	62	99	W	--	2.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	153	7	W	51	6	0	--	3.9
	Facility Lighting	--	182	--	--	--	--	--	--	1.0
	Facility Support	--	83	0	W	6	0	0	--	6.4
	Onsite Transportation	--	W	--	69	0	97	--	--	2.1
	Conventional Electricity Generation	--	--	W	W	8	0	W	--	6.1
	Other Nonprocess Use	--	W	0	W	W	0	0	--	13.8
	End Use Not Reported	125	8	9	9	8	12	W	105	6.3
27	PRINTING and PUBLISHING									
	RSE Column Factors:	NA	0.7	1.0	1.9	1.1	1.6	0.4	NA	
	TOTAL INPUTS	37,384	37,335	82	1,853	22,680	3,601	0	759	6.8
	Indirect Uses-Boiler Fuel	--	419	10	408	1,769	69	0	--	18.8
	Direct Uses-Total Process	--	22,616	4	22	3,743	658	0	--	12.9
	Process Heating	--	3,350	0	Q	3,173	265	0	--	17.9
	Process Cooling and Refrigeration	--	3,572	0	0	443	0	0	--	22.8
	Machine Drive	--	22,297	0	12	556	301	0	--	12.8
	Electro-Chemical Processes	--	159	--	--	--	--	--	--	1.6
	Other Process Use	--	28	4	W	94	Q	0	--	27.1
	Direct Uses-Total Nonprocess	--	26,375	Q	1,097	14,882	3,033	0	--	6.6
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	23,710	Q	906	14,229	1,031	0	--	8.9
	Facility Lighting	--	25,502	--	--	--	--	--	--	1.2
	Facility Support	--	15,026	Q	23	4,796	29	0	--	11.4
	Onsite Transportation	--	550	--	Q	25	1,995	--	--	7.4
	Conventional Electricity Generation	--	--	0	38	4	0	0	--	8.5
	Other Nonprocess Use	--	266	0	18	243	14	0	--	23.7
	End Use Not Reported	12,706	10,257	0	361	5,989	265	0	759	11.8
28	CHEMICALS and ALLIED PRODUCTS									
	RSE Column Factors:	NA	0.6	1.1	1.2	0.9	1.7	0.9	NA	
	TOTAL INPUTS	9,565	9,555	340	2,541	6,723	2,768	125	1,955	4.9
	Indirect Uses-Boiler Fuel	--	1,702	280	890	3,465	312	116	--	10.7
	Direct Uses-Total Process	--	8,371	66	584	2,765	771	16	--	11.4
	Process Heating	--	2,380	63	200	2,533	305	16	--	13.8
	Process Cooling and Refrigeration	--	3,136	W	Q	65	Q	W	--	22.5
	Machine Drive	--	7,999	W	231	181	461	3	--	14.8
	Electro-Chemical Processes	--	154	--	--	--	--	--	--	1.5
	Other Process Use	--	107	Q	43	156	17	0	--	26.9
	Direct Uses-Total Nonprocess	--	8,427	31	1,351	4,359	1,797	8	--	9.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	7,747	23	341	3,898	288	6	--	15.3
	Facility Lighting	--	8,293	--	--	--	--	--	--	1.2
	Facility Support	--	4,269	Q	57	1,436	Q	0	--	12.7
	Onsite Transportation	--	181	--	891	6	1,533	--	--	6.6
	Conventional Electricity Generation	--	--	W	78	44	4	3	--	10.3
	Other Nonprocess Use	--	33	5	79	41	12	0	--	21.4
	End Use Not Reported	3,142	728	10	282	457	563	W	1,955	25.2

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2812	Alkalies and Chlorine									
	RSE Column Factors:	NA	0.5	1.5	1.2	0.8	1.4	1.1	NA	
	TOTAL INPUTS	44	44	3	19	33	13	3	30	3.4
	Indirect Uses-Boiler Fuel	--	3	W	8	25	3	3	--	6.3
	Direct Uses-Total Process	--	43	0	5	15	W	0	--	4.3
	Process Heating	--	4	0	W	13	0	0	--	9.1
	Process Cooling and Refrigeration	--	11	0	0	0	0	0	--	8.0
	Machine Drive	--	41	0	5	W	W	0	--	6.1
	Electro-Chemical Processes	--	28	--	--	--	--	--	--	1.1
	Other Process Use	--	W	0	0	3	0	0	--	15.9
	Direct Uses-Total Nonprocess	--	35	W	10	16	9	0	--	3.6
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	28	W	0	14	0	0	--	5.0
	Facility Lighting	--	33	--	--	--	--	--	--	1.1
	Facility Support	--	8	0	0	W	0	0	--	12.6
	Onsite Transportation	--	0	--	10	0	9	--	--	1.6
	Conventional Electricity Generation	--	--	0	0	3	0	0	--	4.6
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	31	0	0	W	0	3	0	30	7.7
2813	Industrial Gases									
	RSE Column Factors:	NA	0.6	0.6	2.2	1.4	1.4	0.6	NA	
	TOTAL INPUTS	623	617	0	10	152	12	0	30	6.3
	Indirect Uses-Boiler Fuel	--	7	0	W	90	W	0	--	14.2
	Direct Uses-Total Process	--	543	0	0	75	W	0	--	10.1
	Process Heating	--	44	0	0	57	W	0	--	20.6
	Process Cooling and Refrigeration	--	113	0	0	0	0	0	--	16.6
	Machine Drive	--	528	0	0	13	0	0	--	8.6
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	10	0	0	W	0	0	--	38.4
	Direct Uses-Total Nonprocess	--	301	0	8	82	W	0	--	10.2
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	278	0	0	77	W	0	--	9.4
	Facility Lighting	--	258	--	--	--	--	--	--	1.4
	Facility Support	--	132	0	0	21	0	0	--	16.6
	Onsite Transportation	--	0	--	8	0	0	--	--	3.2
	Conventional Electricity Generation	--	--	0	0	5	0	0	--	4.4
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	101	72	0	0	0	W	0	30	26.2
2816	Inorganic Pigments									
	RSE Column Factors:	NA	0.7	1.0	1.2	0.7	1.2	1.5	NA	
	TOTAL INPUTS	81	81	5	32	66	47	5	23	2.7
	Indirect Uses-Boiler Fuel	--	12	5	7	38	W	4	--	7.0
	Direct Uses-Total Process	--	74	0	13	53	15	W	--	3.8
	Process Heating	--	37	0	9	50	11	W	--	5.1
	Process Cooling and Refrigeration	--	30	0	0	0	0	0	--	4.4
	Machine Drive	--	73	0	4	3	3	0	--	6.3
	Electro-Chemical Processes	--	3	--	--	--	--	--	--	1.5
	Other Process Use	--	3	0	0	0	W	0	--	14.6
	Direct Uses-Total Nonprocess	--	73	0	27	41	35	0	--	2.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	68	0	3	37	4	0	--	5.4
	Facility Lighting	--	69	--	--	--	--	--	--	1.0
	Facility Support	--	36	0	0	15	W	0	--	7.5
	Onsite Transportation	--	3	--	23	0	33	--	--	2.5
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.5
	Other Nonprocess Use	--	0	0	W	0	0	0	--	12.9
	End Use Not Reported	31	5	0	W	5	8	0	23	9.7

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2819	Industrial Inorganic Chemicals, nec.									
	RSE Column Factors:	NA	1	1	1	1	1	1	NA	
	TOTAL INPUTS	568	568	27	285	495	169	13	245	7.2
	Indirect Uses-Boiler Fuel	--	161	16	66	370	18	11	--	15.4
	Direct Uses-Total Process	--	527	12	68	313	53	7	--	12.0
	Process Heating	--	154	12	28	295	24	7	--	14.4
	Process Cooling and Refrigeration	--	174	0	0	0	0	0	--	23.5
	Machine Drive	--	519	0	36	21	31	0	--	18.9
	Electro-Chemical Processes	--	28	--	--	--	--	--	--	1.5
	Other Process Use	--	0	0	7	10	0	0	--	43.5
	Direct Uses-Total Nonprocess	--	510	W	128	254	113	W	--	16.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	489	W	17	247	26	W	--	18.3
	Facility Lighting	--	483	--	--	--	--	--	--	1.3
	Facility Support	--	213	0	3	26	6	0	--	19.8
	Onsite Transportation	--	12	--	116	0	100	--	--	5.4
	Conventional Electricity Generation	--	--	0	12	5	0	0	--	6.8
	Other Nonprocess Use	--	W	0	4	0	0	0	--	39.4
	End Use Not Reported	278	8	W	95	18	19	0	245	33.1
2821	Plastics Materials and Resins									
	RSE Column Factors:	NA	0.7	1.0	1.2	1.1	1.5	0.7	NA	
	TOTAL INPUTS	456	456	49	160	395	224	15	214	5.7
	Indirect Uses-Boiler Fuel	--	83	49	53	282	23	15	--	11.1
	Direct Uses-Total Process	--	428	3	53	197	41	0	--	7.2
	Process Heating	--	227	W	19	166	25	0	--	11.6
	Process Cooling and Refrigeration	--	299	0	0	11	W	0	--	14.6
	Machine Drive	--	427	0	34	17	13	0	--	9.3
	Electro-Chemical Processes	--	19	--	--	--	--	--	--	1.5
	Other Process Use	--	6	W	W	28	W	0	--	15.2
	Direct Uses-Total Nonprocess	--	424	W	86	196	157	0	--	7.2
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	371	0	W	174	15	0	--	11.2
	Facility Lighting	--	415	--	--	--	--	--	--	1.1
	Facility Support	--	246	0	5	39	5	0	--	10.9
	Onsite Transportation	--	11	--	65	0	152	--	--	4.8
	Conventional Electricity Generation	--	--	0	17	7	0	0	--	5.2
	Other Nonprocess Use	--	W	W	10	6	0	0	--	15.1
	End Use Not Reported	256	17	0	20	18	42	0	214	24.6
2822	Synthetic Rubber									
	RSE Column Factors:	NA	0.4	0.9	1.5	1.1	1.5	1.0	NA	
	TOTAL INPUTS	63	63	6	20	53	23	4	24	6.7
	Indirect Uses-Boiler Fuel	--	9	6	4	35	0	4	--	16.9
	Direct Uses-Total Process	--	58	0	6	18	0	0	--	7.9
	Process Heating	--	21	0	0	16	0	0	--	14.4
	Process Cooling and Refrigeration	--	44	0	0	W	0	0	--	18.7
	Machine Drive	--	58	0	6	W	0	0	--	12.7
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.8
	Other Process Use	--	W	0	0	6	0	0	--	39.7
	Direct Uses-Total Nonprocess	--	58	0	10	30	23	0	--	6.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	56	0	0	26	W	0	--	9.8
	Facility Lighting	--	58	--	--	--	--	--	--	1.1
	Facility Support	--	39	0	3	8	0	0	--	15.1
	Onsite Transportation	--	4	--	8	0	23	--	--	5.1
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	9.3
	Other Nonprocess Use	--	0	0	W	W	0	0	--	32.4
	End Use Not Reported	31	5	0	W	3	0	0	24	26.3

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2823	Cellulosic Manmade Fibers									
	RSE Column Factors:	NA	1.0	1.0	1.0	1.0	1.0	1.0	NA	
	TOTAL INPUTS	11	11	0	6	6	3	4	4	1.0
	Indirect Uses-Boiler Fuel	--	W	0	4	3	0	4	--	1.0
	Direct Uses-Total Process	--	8	0	W	6	W	0	--	1.0
	Process Heating	--	3	0	W	6	W	0	--	1.0
	Process Cooling and Refrigeration	--	8	0	0	0	0	0	--	1.0
	Machine Drive	--	8	0	W	0	0	0	--	1.0
	Electro-Chemical Processes	--	3	--	--	--	--	--	--	1.0
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	8	0	W	3	3	0	--	1.0
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	7	0	0	W	0	0	--	1.0
	Facility Lighting	--	8	--	--	--	--	--	--	1.0
	Facility Support	--	6	0	0	3	0	0	--	1.0
	Onsite Transportation	--	W	--	W	0	3	--	--	1.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.0
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	6	W	0	0	0	0	0	4	1.0
2824	Organic Fibers, Noncellulosic									
	RSE Column Factors:	NA	0.6	0.9	1.6	1.1	1.2	0.9	NA	
	TOTAL INPUTS	73	73	23	33	62	38	13	22	2.1
	Indirect Uses-Boiler Fuel	--	15	21	17	44	6	13	--	4.2
	Direct Uses-Total Process	--	68	8	5	26	7	0	--	3.8
	Process Heating	--	52	8	W	25	7	0	--	4.6
	Process Cooling and Refrigeration	--	54	0	0	W	0	0	--	6.8
	Machine Drive	--	68	0	W	W	0	0	--	5.5
	Electro-Chemical Processes	--	5	--	--	--	--	--	--	1.4
	Other Process Use	--	6	0	0	0	0	0	--	12.3
	Direct Uses-Total Nonprocess	--	68	0	14	16	33	0	--	2.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	64	0	W	15	6	0	--	4.3
	Facility Lighting	--	67	--	--	--	--	--	--	1.0
	Facility Support	--	41	0	0	W	W	0	--	8.3
	Onsite Transportation	--	4	--	9	W	28	--	--	3.6
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	4.1
	Other Nonprocess Use	--	W	0	W	0	W	0	--	11.9
	End Use Not Reported	28	4	0	4	4	4	0	22	8.6
2861	Gum and Wood Chemicals									
	RSE Column Factors:	NA	0.7	1.5	0.9	1.1	1.4	0.7	NA	
	TOTAL INPUTS	60	60	W	38	22	21	0	36	2.7
	Indirect Uses-Boiler Fuel	--	6	0	5	12	7	0	--	5.2
	Direct Uses-Total Process	--	38	W	13	17	9	0	--	4.5
	Process Heating	--	11	W	12	16	6	0	--	4.7
	Process Cooling and Refrigeration	--	7	0	0	W	0	0	--	14.7
	Machine Drive	--	36	0	W	0	3	0	--	5.6
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.5
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	40	0	16	13	11	0	--	3.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	30	0	0	11	5	0	--	4.0
	Facility Lighting	--	38	--	--	--	--	--	--	1.1
	Facility Support	--	17	0	0	7	0	0	--	6.2
	Onsite Transportation	--	0	--	16	0	7	--	--	1.9
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.3
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	48	18	0	11	W	6	0	36	5.6

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2865	Cyclic Crudes and Intermediates									
	RSE Column Factors:	NA	0.7	0.9	1.3	1.2	1.5	0.7	NA	
	TOTAL INPUTS	187	187	39	73	178	78	5	101	5.9
	Indirect Uses-Boiler Fuel	--	57	34	38	139	15	5	--	13.7
	Direct Uses-Total Process	--	177	W	26	91	15	0	--	10.9
	Process Heating	--	71	W	10	87	11	0	--	19.0
	Process Cooling and Refrigeration	--	128	0	0	W	0	0	--	14.8
	Machine Drive	--	169	0	16	6	W	0	--	10.0
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.7
	Other Process Use	--	W	0	W	0	0	0	--	35.0
	Direct Uses-Total Nonprocess	--	178	0	33	79	59	0	--	7.0
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	164	0	0	66	W	0	--	9.3
	Facility Lighting	--	167	--	--	--	--	--	--	1.2
	Facility Support	--	83	0	W	14	W	0	--	21.0
	Onsite Transportation	--	W	--	32	W	57	--	--	7.0
	Conventional Electricity Generation	--	--	0	0	3	0	0	--	4.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	107	6	6	3	7	10	0	101	27.6
2869	Industrial Organic Chemicals, nec.									
	RSE Column Factors:	NA	0.6	1.0	1.5	1.0	1.6	0.7	NA	
	TOTAL INPUTS	631	631	40	250	530	167	24	216	7.9
	Indirect Uses-Boiler Fuel	--	106	35	90	332	16	23	--	16.7
	Direct Uses-Total Process	--	599	11	69	282	21	0	--	13.8
	Process Heating	--	201	11	29	262	13	0	--	21.8
	Process Cooling and Refrigeration	--	280	0	W	8	W	0	--	18.4
	Machine Drive	--	569	0	38	30	0	0	--	11.6
	Electro-Chemical Processes	--	32	--	--	--	--	--	--	1.9
	Other Process Use	--	5	0	W	20	0	0	--	19.5
	Direct Uses-Total Nonprocess	--	593	Q	134	283	129	0	--	8.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	563	Q	44	257	4	0	--	15.6
	Facility Lighting	--	581	--	--	--	--	--	--	1.1
	Facility Support	--	258	0	Q	61	4	0	--	20.1
	Onsite Transportation	--	5	--	86	0	124	--	--	5.6
	Conventional Electricity Generation	--	--	0	W	9	W	0	--	8.1
	Other Nonprocess Use	--	6	0	12	8	0	0	--	27.2
	End Use Not Reported	256	18	W	5	33	24	W	216	25.1
2873	Nitrogenous Fertilizers									
	RSE Column Factors:	NA	0.6	0.6	1.7	1.2	2.1	0.6	NA	
	TOTAL INPUTS	118	117	0	51	79	28	0	47	2.3
	Indirect Uses-Boiler Fuel	--	13	0	11	62	0	0	--	6.8
	Direct Uses-Total Process	--	110	0	9	47	6	0	--	4.2
	Process Heating	--	10	0	3	44	4	0	--	9.8
	Process Cooling and Refrigeration	--	38	0	0	3	0	0	--	12.0
	Machine Drive	--	109	0	6	W	3	0	--	7.9
	Electro-Chemical Processes	--	4	--	--	--	--	--	--	1.6
	Other Process Use	--	W	0	0	3	0	0	--	30.8
	Direct Uses-Total Nonprocess	--	105	0	30	29	22	0	--	3.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	93	0	W	25	8	0	--	6.8
	Facility Lighting	--	100	--	--	--	--	--	--	1.1
	Facility Support	--	44	0	5	4	W	0	--	11.7
	Onsite Transportation	--	0	--	28	0	15	--	--	2.7
	Conventional Electricity Generation	--	--	0	W	3	W	0	--	8.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	55	5	0	10	3	6	0	47	12.5

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2874	Phosphatic Fertilizers									
	RSE Column Factors:	NA	0.6	1.2	0.9	0.8	1.4	1.2	NA	
	TOTAL INPUTS	69	68	5	46	51	13	4	30	2.0
	Indirect Uses-Boiler Fuel	--	13	3	11	34	0	0	--	3.7
	Direct Uses-Total Process	--	60	4	20	39	3	4	--	2.9
	Process Heating	--	14	4	15	36	3	4	--	3.7
	Process Cooling and Refrigeration	--	11	0	0	3	0	0	--	6.1
	Machine Drive	--	58	0	5	W	0	0	--	4.1
	Electro-Chemical Processes	--	5	--	--	--	--	--	--	1.3
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	58	0	33	20	11	0	--	2.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	50	0	3	20	6	0	--	2.9
	Facility Lighting	--	55	--	--	--	--	--	--	1.0
	Facility Support	--	26	0	W	0	3	0	--	4.9
	Onsite Transportation	--	0	--	31	0	6	--	--	1.4
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.6
	Other Nonprocess Use	--	0	0	W	0	0	0	--	8.5
	End Use Not Reported	33	3	0	5	0	0	0	30	6.4
2895	Carbon Black									
	RSE Column Factors:	NA	0.5	1.3	1.3	0.8	2.4	0.6	NA	
	TOTAL INPUTS	23	23	4	12	22	W	0	10	4.5
	Indirect Uses-Boiler Fuel	--	3	0	0	18	0	0	--	10.8
	Direct Uses-Total Process	--	20	W	5	15	0	0	--	6.5
	Process Heating	--	4	W	0	14	0	0	--	12.0
	Process Cooling and Refrigeration	--	4	0	0	0	0	0	--	25.3
	Machine Drive	--	20	0	5	4	0	0	--	7.8
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	20	W	12	18	W	0	--	6.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	19	0	W	17	0	0	--	7.9
	Facility Lighting	--	19	--	--	--	--	--	--	1.2
	Facility Support	--	12	W	0	8	0	0	--	12.5
	Onsite Transportation	--	0	--	10	W	W	--	--	4.2
	Conventional Electricity Generation	--	--	0	0	W	0	0	--	6.2
	Other Nonprocess Use	--	0	0	W	0	0	0	--	15.9
	End Use Not Reported	12	0	0	0	W	0	0	10	25.7
29	PETROLEUM and COAL PRODUCTS									
	RSE Column Factors:	NA	0.7	0.8	1.4	1.0	1.4	1.0	NA	
	TOTAL INPUTS	1,971	1,960	117	783	1,148	675	15	W	8.8
	Indirect Uses-Boiler Fuel	--	384	83	134	487	271	8	--	18.6
	Direct Uses-Total Process	--	1,743	84	479	821	238	7	--	14.3
	Process Heating	--	431	77	374	772	215	7	--	17.8
	Process Cooling and Refrigeration	--	221	W	W	11	4	0	--	20.0
	Machine Drive	--	1,659	Q	167	76	28	0	--	18.1
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.9
	Other Process Use	--	34	0	Q	24	3	0	--	26.3
	Direct Uses-Total Nonprocess	--	1,651	Q	285	445	351	0	--	12.0
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	1,542	W	18	415	91	0	--	16.2
	Facility Lighting	--	1,523	--	--	--	--	--	--	1.3
	Facility Support	--	720	W	12	85	55	0	--	22.6
	Onsite Transportation	--	13	--	249	0	264	--	--	6.7
	Conventional Electricity Generation	--	--	0	Q	22	3	0	--	4.5
	Other Nonprocess Use	--	9	0	6	W	W	0	--	20.7
	End Use Not Reported	659	119	6	70	116	60	0	W	23.5

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
2911	Petroleum Refining									
	RSE Column Factors:	NA	0.6	1.2	1.2	0.7	1.3	1.2	NA	
	TOTAL INPUTS	247	246	72	82	218	99	5	186	2.0
	Indirect Uses-Boiler Fuel	--	47	55	20	184	71	5	--	2.9
	Direct Uses-Total Process	--	227	47	41	204	85	0	--	1.9
	Process Heating	--	38	47	17	200	80	0	--	2.6
	Process Cooling and Refrigeration	--	96	0	0	5	4	0	--	6.4
	Machine Drive	--	223	0	23	27	9	0	--	3.5
	Electro-Chemical Processes	--	8	--	--	--	--	--	--	1.4
	Other Process Use	--	9	0	3	11	3	0	--	9.0
	Direct Uses-Total Nonprocess	--	210	W	44	83	16	0	--	3.6
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	186	0	0	60	8	0	--	2.9
	Facility Lighting	--	200	--	--	--	--	--	--	1.0
	Facility Support	--	102	W	4	16	W	0	--	7.8
	Onsite Transportation	--	5	--	42	0	3	--	--	2.8
	Conventional Electricity Generation	--	--	0	4	20	3	0	--	4.9
	Other Nonprocess Use	--	5	0	3	W	W	0	--	16.0
	End Use Not Reported	191	11	4	4	4	11	0	186	8.8
30	RUBBER and MISC. PLASTICS PRODUCTS									
	RSE Column Factors:	NA	0.7	0.9	1.5	1.0	1.3	0.8	NA	
	TOTAL INPUTS	11,952	11,942	208	1,036	8,927	4,193	23	1,304	6.7
	Indirect Uses-Boiler Fuel	--	949	119	335	1,993	82	23	--	16.1
	Direct Uses-Total Process	--	9,951	70	159	2,941	840	0	--	12.0
	Process Heating	--	5,440	Q	81	2,674	576	0	--	12.4
	Process Cooling and Refrigeration	--	3,929	0	Q	25	Q	0	--	17.3
	Machine Drive	--	9,367	Q	102	212	234	0	--	12.2
	Electro-Chemical Processes	--	111	--	--	--	--	--	--	1.7
	Other Process Use	--	118	0	10	112	39	0	--	26.4
	Direct Uses-Total Nonprocess	--	10,021	Q	493	6,319	3,448	W	--	6.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	8,824	Q	247	6,127	492	W	--	11.7
	Facility Lighting	--	9,709	--	--	--	--	--	--	1.2
	Facility Support	--	5,467	W	44	1,131	65	W	--	13.0
	Onsite Transportation	--	440	--	207	13	3,154	--	--	6.4
	Conventional Electricity Generation	--	--	0	24	10	0	0	--	8.9
	Other Nonprocess Use	--	91	W	16	27	23	0	--	24.8
	End Use Not Reported	3,745	1,676	Q	159	1,367	709	0	1,304	17.3
3011	Tires and Inner Tubes									
	RSE Column Factors:	NA	0.4	1.1	1.4	0.9	1.4	1.3	NA	
	TOTAL INPUTS	112	112	32	69	112	88	8	67	4.7
	Indirect Uses-Boiler Fuel	--	21	30	42	107	W	8	--	10.1
	Direct Uses-Total Process	--	109	W	11	57	18	0	--	10.4
	Process Heating	--	44	W	0	54	Q	0	--	17.8
	Process Cooling and Refrigeration	--	66	0	0	0	0	0	--	24.5
	Machine Drive	--	109	0	11	5	6	0	--	14.5
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.8
	Other Process Use	--	0	0	0	W	0	0	--	15.1
	Direct Uses-Total Nonprocess	--	109	W	31	76	79	W	--	6.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	107	W	0	71	4	W	--	7.0
	Facility Lighting	--	109	--	--	--	--	--	--	1.0
	Facility Support	--	63	0	10	28	0	W	--	19.9
	Onsite Transportation	--	13	--	25	0	79	--	--	4.0
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	4.8
	Other Nonprocess Use	--	0	0	3	6	0	0	--	16.3
	End Use Not Reported	70	3	W	W	3	4	0	67	16.4

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
308	Miscellaneous Plastics Products, nec.									
	RSE Column Factors:	NA	0.7	0.9	1.5	1.1	1.4	0.7	NA	
	TOTAL INPUTS	9,967	9,957	114	606	7,358	3,682	6	1,037	7.3
	Indirect Uses-Boiler Fuel	--	710	61	140	1,423	37	6	--	18.3
	Direct Uses-Total Process	--	8,121	Q	136	2,416	692	0	--	9.6
	Process Heating	--	4,508	Q	71	2,216	511	0	--	13.0
	Process Cooling and Refrigeration	--	3,284	0	Q	21	Q	0	--	17.2
	Machine Drive	--	7,635	W	91	140	156	0	--	15.2
	Electro-Chemical Processes	--	101	--	--	--	--	--	--	1.7
	Other Process Use	--	112	0	8	110	Q	0	--	25.0
	Direct Uses-Total Nonprocess	--	8,282	Q	270	5,084	3,087	0	--	5.6
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	7,346	Q	72	4,967	458	0	--	10.0
	Facility Lighting	--	7,980	--	--	--	--	--	--	1.3
	Facility Support	--	4,587	0	23	936	48	0	--	13.6
	Onsite Transportation	--	271	--	172	13	2,827	--	--	5.8
	Conventional Electricity Generation	--	--	0	21	9	0	0	--	9.3
	Other Nonprocess Use	--	81	0	10	21	Q	0	--	27.8
	End Use Not Reported	3,247	1,528	Q	116	1,256	652	0	1,037	18.2
31	LEATHER and LEATHER PRODUCTS									
	RSE Column Factors:	NA	1.0	0.8	1.6	1.1	1.6	0.4	NA	
	TOTAL INPUTS	1,356	1,356	54	108	975	158	0	83	9.8
	Indirect Uses-Boiler Fuel	--	77	33	71	101	20	0	--	28.1
	Direct Uses-Total Process	--	1,015	0	Q	234	20	0	--	16.3
	Process Heating	--	142	0	Q	226	20	0	--	20.9
	Process Cooling and Refrigeration	--	64	0	0	W	0	0	--	30.7
	Machine Drive	--	995	0	0	10	W	0	--	22.6
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	W	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	987	W	48	626	129	0	--	17.9
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	837	W	Q	622	Q	0	--	15.2
	Facility Lighting	--	967	--	--	--	--	--	--	1.5
	Facility Support	--	301	0	W	36	W	0	--	25.1
	Onsite Transportation	--	Q	--	8	0	70	--	--	8.5
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.0
	Other Nonprocess Use	--	W	0	0	0	0	0	--	0.0
	End Use Not Reported	429	325	Q	15	Q	27	0	83	29.4
32	STONE, CLAY and GLASS PRODUCTS									
	RSE Column Factors:	NA	0.6	1.0	1.3	1.1	1.5	0.8	NA	
	TOTAL INPUTS	11,866	11,815	76	3,829	6,990	2,320	233	2,061	6.8
	Indirect Uses-Boiler Fuel	--	827	17	554	1,643	187	W	--	26.6
	Direct Uses-Total Process	--	8,689	59	1,062	3,049	662	216	--	11.7
	Process Heating	--	2,595	36	342	2,926	463	214	--	12.9
	Process Cooling and Refrigeration	--	684	0	W	Q	W	0	--	24.4
	Machine Drive	--	8,152	W	724	227	199	W	--	19.6
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.9
	Other Process Use	--	Q	0	Q	11	6	0	--	18.4
	Direct Uses-Total Nonprocess	--	8,724	W	2,248	4,306	1,646	W	--	8.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	7,443	W	246	4,194	635	W	--	13.4
	Facility Lighting	--	8,328	--	--	--	--	--	--	1.3
	Facility Support	--	4,421	0	Q	1,068	47	0	--	16.2
	Onsite Transportation	--	211	--	1,975	5	1,258	--	--	7.6
	Conventional Electricity Generation	--	--	0	33	7	W	0	--	8.8
	Other Nonprocess Use	--	Q	0	Q	W	W	0	--	28.9
	End Use Not Reported	5,053	2,450	3	662	1,365	342	11	2,061	22.1

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
3211	Flat Glass									
	RSE Column Factors:	NA	0.5	1.9	1.3	0.7	1.5	0.8	NA	
	TOTAL INPUTS	68	68	W	43	62	47	0	31	3.4
	Indirect Uses-Boiler Fuel	--	8	0	W	16	0	0	--	17.3
	Direct Uses-Total Process	--	64	W	27	56	8	0	--	5.6
	Process Heating	--	49	W	14	56	4	0	--	7.0
	Process Cooling and Refrigeration	--	37	0	W	W	0	0	--	17.5
	Machine Drive	--	62	0	8	W	W	0	--	12.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	0	0	4	0	W	0	--	14.8
	Direct Uses-Total Nonprocess	--	66	0	41	45	39	0	--	3.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	58	0	0	43	W	0	--	7.2
	Facility Lighting	--	62	--	--	--	--	--	--	1.1
	Facility Support	--	33	0	W	12	W	0	--	14.6
	Onsite Transportation	--	21	--	37	0	39	--	--	2.4
	Conventional Electricity Generation	--	--	0	16	0	0	0	--	3.6
	Other Nonprocess Use	--	4	0	0	0	0	0	--	35.7
	End Use Not Reported	35	W	0	0	0	10	0	31	19.7
3221	Glass Containers									
	RSE Column Factors:	NA	0.8	1.3	1.8	0.6	1.6	0.6	NA	
	TOTAL INPUTS	78	78	11	30	78	45	0	35	2.2
	Indirect Uses-Boiler Fuel	--	W	0	W	12	0	0	--	11.9
	Direct Uses-Total Process	--	76	11	14	76	13	0	--	2.7
	Process Heating	--	71	11	12	76	12	0	--	2.9
	Process Cooling and Refrigeration	--	12	0	0	0	0	0	--	8.8
	Machine Drive	--	75	0	3	W	W	0	--	8.4
	Electro-Chemical Processes	--	W	--	--	--	--	--	--	1.7
	Other Process Use	--	W	0	0	0	0	0	--	28.8
	Direct Uses-Total Nonprocess	--	77	0	17	71	36	0	--	1.9
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	49	0	W	68	W	0	--	5.8
	Facility Lighting	--	76	--	--	--	--	--	--	1.0
	Facility Support	--	33	0	W	23	0	0	--	7.2
	Onsite Transportation	--	W	--	17	0	35	--	--	3.0
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.3
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	38	0	0	W	0	W	0	35	11.5
3229	Pressed and Blown Glass, nec.									
	RSE Column Factors:	NA	0.6	1.3	2.5	0.5	2.6	0.4	NA	
	TOTAL INPUTS	163	163	W	37	163	36	0	99	7.4
	Indirect Uses-Boiler Fuel	--	5	W	8	29	W	0	--	34.7
	Direct Uses-Total Process	--	162	W	14	163	11	0	--	7.6
	Process Heating	--	147	W	8	163	7	0	--	11.1
	Process Cooling and Refrigeration	--	32	0	0	0	0	0	--	63.6
	Machine Drive	--	162	0	5	5	3	0	--	13.1
	Electro-Chemical Processes	--	4	--	--	--	--	--	--	1.9
	Other Process Use	--	0	0	W	0	W	0	--	16.2
	Direct Uses-Total Nonprocess	--	163	0	28	150	28	0	--	7.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	160	0	0	100	W	0	--	11.5
	Facility Lighting	--	154	--	--	--	--	--	--	1.3
	Facility Support	--	84	0	W	Q	0	0	--	31.2
	Onsite Transportation	--	5	--	27	W	28	--	--	8.3
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	5.1
	Other Nonprocess Use	--	W	0	Q	0	0	0	--	37.2
	End Use Not Reported	101	0	0	4	0	W	0	99	17.2

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
3241	Cement, Hydraulic									
	RSE Column Factors:	NA	0.6	1.0	1.2	1.2	1.3	0.9	NA	
	TOTAL INPUTS	190	190	11	154	127	67	150	149	6.9
	Indirect Uses-Boiler Fuel	--	7	0	8	12	0	0	--	23.2
	Direct Uses-Total Process	--	179	11	61	115	19	144	--	7.4
	Process Heating	--	59	11	51	113	7	143	--	12.9
	Process Cooling and Refrigeration	--	33	0	0	0	0	0	--	22.9
	Machine Drive	--	174	0	13	9	12	W	--	13.1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	W	0	0	0	0	0	--	53.0
	Direct Uses-Total Nonprocess	--	163	0	114	71	44	0	--	6.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	125	0	7	64	18	0	--	12.0
	Facility Lighting	--	157	--	--	--	--	--	--	1.2
	Facility Support	--	66	0	5	13	13	0	--	14.5
	Onsite Transportation	--	W	--	112	0	33	--	--	5.2
	Conventional Electricity Generation	--	--	0	W	W	0	0	--	10.3
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	154	9	0	13	5	13	5	149	16.8
3274	Lime									
	RSE Column Factors:	NA	0.5	1.8	1.0	0.9	1.8	0.7	NA	
	TOTAL INPUTS	84	83	3	68	53	22	46	56	6.0
	Indirect Uses-Boiler Fuel	--	0	0	W	0	0	0	--	49.1
	Direct Uses-Total Process	--	76	W	24	45	7	42	--	10.4
	Process Heating	--	30	W	15	42	4	42	--	14.3
	Process Cooling and Refrigeration	--	4	0	0	0	0	0	--	59.6
	Machine Drive	--	68	0	12	3	3	0	--	17.8
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	62	0	47	20	15	0	--	8.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	51	0	5	20	4	0	--	14.8
	Facility Lighting	--	56	--	--	--	--	--	--	1.3
	Facility Support	--	24	0	0	W	W	0	--	31.4
	Onsite Transportation	--	0	--	47	0	11	--	--	2.6
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	2.1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	57	5	W	7	5	3	4	56	28.9
3296	Mineral Wool									
	RSE Column Factors:	NA	0.8	1.1	1.7	0.7	1.6	0.7	NA	
	TOTAL INPUTS	174	174	W	99	169	112	0	103	2.5
	Indirect Uses-Boiler Fuel	--	22	W	W	66	W	0	--	8.5
	Direct Uses-Total Process	--	174	0	21	163	28	0	--	2.5
	Process Heating	--	97	0	10	163	28	0	--	3.7
	Process Cooling and Refrigeration	--	41	0	0	0	0	0	--	9.3
	Machine Drive	--	171	0	7	0	0	0	--	2.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	0	0	W	W	0	0	--	10.4
	Direct Uses-Total Nonprocess	--	165	0	79	124	109	0	--	2.9
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	143	0	W	124	11	0	--	4.6
	Facility Lighting	--	165	--	--	--	--	--	--	1.1
	Facility Support	--	69	0	W	29	0	0	--	6.7
	Onsite Transportation	--	7	--	65	0	105	--	--	2.5
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	2.7
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	109	0	0	10	0	0	0	103	7.8

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
33	PRIMARY METAL INDUSTRIES									
	RSE Column Factors:	NA	0.7	1.2	1.2	0.9	1.2	1.0	NA	
	TOTAL INPUTS	5,171	5,117	88	1,287	4,652	2,259	78	1,627	5.8
	Indirect Uses-Boiler Fuel	--	496	44	111	1,308	98	24	--	12.0
	Direct Uses-Total Process	--	4,609	39	365	3,481	641	52	--	10.8
	Process Heating	--	3,261	37	188	3,380	499	52	--	14.2
	Process Cooling and Refrigeration	--	960	0	0	22	0	0	--	24.6
	Machine Drive	--	4,209	5	185	221	141	0	--	11.6
	Electro-Chemical Processes	--	230	--	--	--	--	--	--	1.5
	Other Process Use	--	45	0	7	68	15	0	--	23.9
	Direct Uses-Total Nonprocess	--	4,514	25	930	3,244	1,813	3	--	9.0
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	3,976	24	87	3,110	360	W	--	14.2
	Facility Lighting	--	4,440	--	--	--	--	--	--	1.2
	Facility Support	--	2,252	Q	43	818	45	0	--	11.5
	Onsite Transportation	--	161	--	819	15	1,542	--	--	6.1
	Conventional Electricity Generation	--	--	0	34	7	5	W	--	5.7
	Other Nonprocess Use	--	15	W	6	12	11	0	--	20.7
	End Use Not Reported	2,467	493	0	124	710	331	3	1,627	17.2
331	Blast Furnace and Basic Steel Products									
	RSE Column Factors:	NA	1.0	0.7	1.3	0.8	1.2	1.1	NA	
	TOTAL INPUTS	981	981	43	315	931	495	31	303	6.1
	Indirect Uses-Boiler Fuel	--	242	27	24	422	14	15	--	15.9
	Direct Uses-Total Process	--	858	17	64	658	94	13	--	11.9
	Process Heating	--	526	15	23	638	58	13	--	11.8
	Process Cooling and Refrigeration	--	298	0	0	5	0	0	--	19.0
	Machine Drive	--	838	3	43	23	36	0	--	16.8
	Electro-Chemical Processes	--	43	--	--	--	--	--	--	1.5
	Other Process Use	--	12	0	3	14	5	0	--	17.4
	Direct Uses-Total Nonprocess	--	827	Q	266	643	415	W	--	12.9
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	764	Q	22	619	26	W	--	14.0
	Facility Lighting	--	811	--	--	--	--	--	--	1.4
	Facility Support	--	438	W	4	172	12	0	--	18.4
	Onsite Transportation	--	32	--	247	W	388	--	--	5.2
	Conventional Electricity Generation	--	--	0	W	3	W	0	--	9.5
	Other Nonprocess Use	--	12	W	0	9	W	0	--	21.5
	End Use Not Reported	491	Q	0	21	Q	38	3	303	15.1
3312	Blast Furnaces and Steel Mills									
	RSE Column Factors:	NA	0.7	1.5	1.0	0.7	1.2	1.3	NA	
	TOTAL INPUTS	284	284	26	152	261	103	23	138	2.4
	Indirect Uses-Boiler Fuel	--	31	18	11	112	8	14	--	6.1
	Direct Uses-Total Process	--	261	17	35	209	31	6	--	4.4
	Process Heating	--	158	15	20	203	17	6	--	4.8
	Process Cooling and Refrigeration	--	45	0	0	5	0	0	--	10.3
	Machine Drive	--	246	3	18	11	14	0	--	6.6
	Electro-Chemical Processes	--	20	--	--	--	--	--	--	1.3
	Other Process Use	--	8	0	W	11	3	0	--	14.6
	Direct Uses-Total Nonprocess	--	243	3	124	170	78	0	--	3.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	209	W	12	164	22	0	--	5.5
	Facility Lighting	--	232	--	--	--	--	--	--	1.1
	Facility Support	--	97	0	0	41	6	0	--	8.2
	Onsite Transportation	--	9	--	118	0	57	--	--	2.4
	Conventional Electricity Generation	--	--	0	0	3	W	0	--	8.4
	Other Nonprocess Use	--	5	W	0	8	W	0	--	16.2
	End Use Not Reported	170	18	0	11	15	12	3	138	11.3

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
3313	Electrometallurgical Products									
	RSE Column Factors:	NA	1.1	0.5	1.9	1.1	1.9	0.5	NA	
	TOTAL INPUTS	36	36	0	18	32	18	Q	14	5.6
	Indirect Uses-Boiler Fuel	--	0	0	0	Q	0	0	--	0.0
	Direct Uses-Total Process	--	31	0	Q	23	Q	Q	--	12.0
	Process Heating	--	23	0	0	22	Q	Q	--	16.6
	Process Cooling and Refrigeration	--	Q	0	0	0	0	0	--	0.0
	Machine Drive	--	27	0	Q	0	W	0	--	13.3
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	W	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	27	0	14	23	16	0	--	14.2
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	25	0	0	22	W	0	--	15.6
	Facility Lighting	--	25	--	--	--	--	--	--	1.6
	Facility Support	--	16	0	0	Q	0	0	--	24.7
	Onsite Transportation	--	0	--	14	0	14	--	--	5.5
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.9
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	20	Q	0	0	Q	W	0	14	0.0
3321	Gray and Ductile Iron Foundries									
	RSE Column Factors:	NA	0.8	1.4	1.8	0.8	1.5	0.4	NA	
	TOTAL INPUTS	517	517	Q	289	488	286	Q	379	6.5
	Indirect Uses-Boiler Fuel	--	3	0	19	76	Q	0	--	28.3
	Direct Uses-Total Process	--	481	W	94	438	116	Q	--	9.9
	Process Heating	--	424	W	17	434	86	Q	--	11.2
	Process Cooling and Refrigeration	--	44	0	0	0	0	0	--	29.7
	Machine Drive	--	460	W	80	9	27	0	--	17.0
	Electro-Chemical Processes	--	5	--	--	--	--	--	--	1.9
	Other Process Use	--	W	0	W	10	3	0	--	25.2
	Direct Uses-Total Nonprocess	--	481	W	195	427	239	0	--	6.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	423	W	25	418	50	0	--	12.7
	Facility Lighting	--	477	--	--	--	--	--	--	1.2
	Facility Support	--	263	0	5	108	4	0	--	18.1
	Onsite Transportation	--	14	--	169	0	195	--	--	5.7
	Conventional Electricity Generation	--	--	0	10	0	0	0	--	4.7
	Other Nonprocess Use	--	W	0	0	0	W	0	--	28.0
	End Use Not Reported	383	36	0	28	36	39	0	379	30.9
3331	Primary Copper									
	RSE Column Factors:	NA	1.0	1.0	1.0	1.0	1.0	1.0	NA	
	TOTAL INPUTS	20	20	W	8	18	4	W	7	1.0
	Indirect Uses-Boiler Fuel	--	0	0	0	12	0	W	--	1.0
	Direct Uses-Total Process	--	19	W	4	16	0	W	--	1.0
	Process Heating	--	6	W	W	16	0	W	--	1.0
	Process Cooling and Refrigeration	--	5	0	0	0	0	0	--	1.0
	Machine Drive	--	15	0	W	0	0	0	--	1.0
	Electro-Chemical Processes	--	6	--	--	--	--	--	--	1.0
	Other Process Use	--	W	0	0	W	0	0	--	1.0
	Direct Uses-Total Nonprocess	--	18	0	7	13	4	W	--	1.0
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	16	0	0	13	0	0	--	1.0
	Facility Lighting	--	15	--	--	--	--	--	--	1.0
	Facility Support	--	11	0	0	6	0	0	--	1.0
	Onsite Transportation	--	0	--	7	0	4	--	--	1.0
	Conventional Electricity Generation	--	--	0	W	W	0	W	--	1.0
	Other Nonprocess Use	--	0	0	W	0	0	0	--	1.0
	End Use Not Reported	9	W	0	W	0	0	0	7	1.0

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
3334	Primary Aluminum									
	RSE Column Factors:	NA	1.2	0.9	1.3	0.8	1.5	0.6	NA	
	TOTAL INPUTS	44	44	W	36	42	28	0	31	2.8
	Indirect Uses-Boiler Fuel	--	6	W	4	16	W	0	--	8.9
	Direct Uses-Total Process	--	42	0	6	37	13	0	--	3.2
	Process Heating	--	14	0	4	36	10	0	--	6.3
	Process Cooling and Refrigeration	--	5	0	0	0	0	0	--	8.5
	Machine Drive	--	34	0	W	Q	4	0	--	5.0
	Electro-Chemical Processes	--	30	--	--	--	--	--	--	1.5
	Other Process Use	--	W	0	0	0	0	0	--	8.5
	Direct Uses-Total Nonprocess	--	37	0	31	22	20	0	--	4.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	25	0	0	19	5	0	--	8.7
	Facility Lighting	--	34	--	--	--	--	--	--	1.2
	Facility Support	--	12	0	0	4	W	0	--	12.2
	Onsite Transportation	--	W	--	31	0	17	--	--	3.3
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	34	W	0	0	W	4	0	31	8.7
3339	Primary Nonferrous Metals, nec.									
	RSE Column Factors:	NA	0.8	0.8	1.4	1.1	1.5	0.7	NA	
	TOTAL INPUTS	88	88	W	25	72	32	W	36	10.1
	Indirect Uses-Boiler Fuel	--	W	W	4	19	W	W	--	26.0
	Direct Uses-Total Process	--	79	0	12	59	9	0	--	8.5
	Process Heating	--	45	0	4	59	6	0	--	13.9
	Process Cooling and Refrigeration	--	15	0	0	0	0	0	--	21.2
	Machine Drive	--	71	0	8	W	3	0	--	14.2
	Electro-Chemical Processes	--	10	--	--	--	--	--	--	1.6
	Other Process Use	--	0	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	80	0	10	53	24	0	--	7.9
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	75	0	0	52	W	0	--	9.8
	Facility Lighting	--	78	--	--	--	--	--	--	1.2
	Facility Support	--	39	0	W	10	W	0	--	19.2
	Onsite Transportation	--	W	--	9	W	21	--	--	8.2
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.2
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	39	6	0	W	4	4	0	36	19.3
3353	Aluminum Sheet, Plate, and Foil									
	RSE Column Factors:	NA	0.7	0.9	1.4	0.7	1.3	1.4	NA	
	TOTAL INPUTS	55	55	0	38	53	35	W	33	2.1
	Indirect Uses-Boiler Fuel	--	W	0	0	17	W	W	--	7.7
	Direct Uses-Total Process	--	51	0	5	48	7	0	--	2.4
	Process Heating	--	27	0	5	48	7	0	--	2.9
	Process Cooling and Refrigeration	--	18	0	0	0	0	0	--	4.2
	Machine Drive	--	50	0	0	0	0	0	--	1.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	0.9
	Other Process Use	--	W	0	0	W	0	0	--	13.1
	Direct Uses-Total Nonprocess	--	49	0	29	39	32	0	--	1.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	44	0	W	39	4	0	--	3.8
	Facility Lighting	--	46	--	--	--	--	--	--	1.0
	Facility Support	--	23	0	W	11	W	0	--	6.3
	Onsite Transportation	--	5	--	28	0	31	--	--	1.7
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.4
	Other Nonprocess Use	--	0	0	0	0	0	0	--	0.0
	End Use Not Reported	37	4	0	5	W	6	0	33	6.9

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
34	FABRICATED METAL PRODUCTS									
	RSE Column Factors:	NA	0.6	1.4	1.5	0.7	1.2	0.9	NA	
	TOTAL INPUTS	26,262	26,251	72	2,924	20,023	8,278	64	5,776	8.1
	Indirect Uses-Boiler Fuel	--	1,594	30	190	3,720	97	18	--	15.3
	Direct Uses-Total Process	--	20,926	38	566	6,675	2,338	W	--	13.0
	Process Heating	--	6,880	15	291	6,060	999	W	--	19.8
	Process Cooling and Refrigeration	--	2,561	0	0	35	W	0	--	31.6
	Machine Drive	--	19,367	Q	225	648	1,245	0	--	16.4
	Electro-Chemical Processes	--	1,730	--	--	--	--	--	--	1.6
	Other Process Use	--	147	0	Q	72	Q	0	--	49.4
	Direct Uses-Total Nonprocess	--	22,162	14	1,938	15,090	5,777	Q	--	9.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	19,070	14	617	14,806	890	Q	--	14.7
	Facility Lighting	--	21,428	--	--	--	--	--	--	1.2
	Facility Support	--	11,358	0	35	3,722	151	0	--	14.2
	Onsite Transportation	--	358	--	1,309	Q	4,900	--	--	4.7
	Conventional Electricity Generation	--	--	0	Q	Q	0	0	--	1.6
	Other Nonprocess Use	--	Q	0	W	22	Q	0	--	32.2
	End Use Not Reported	10,675	3,578	W	514	3,446	1,445	0	5,776	21.6
35	INDUSTRIAL MACHINERY and EQUIPMENT									
	RSE Column Factors:	NA	0.6	1.0	1.8	0.7	1.3	1.0	NA	
	TOTAL INPUTS	33,837	33,655	97	2,773	24,422	9,191	Q	W	5.6
	Indirect Uses-Boiler Fuel	--	1,021	50	340	1,802	172	17	--	19.8
	Direct Uses-Total Process	--	26,899	Q	507	3,662	2,557	W	--	13.3
	Process Heating	--	5,320	W	35	3,165	1,247	W	--	19.7
	Process Cooling and Refrigeration	--	2,619	0	W	35	0	W	--	28.4
	Machine Drive	--	26,271	W	287	599	1,271	0	--	14.3
	Electro-Chemical Processes	--	257	--	--	--	--	--	--	1.7
	Other Process Use	--	Q	W	Q	57	137	0	--	40.8
	Direct Uses-Total Nonprocess	--	28,007	8	1,635	18,760	6,752	Q	--	7.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	25,238	6	784	18,208	1,646	Q	--	11.1
	Facility Lighting	--	27,235	--	--	--	--	--	--	1.2
	Facility Support	--	14,908	0	141	4,868	556	0	--	15.1
	Onsite Transportation	--	554	--	698	Q	4,882	--	--	4.9
	Conventional Electricity Generation	--	--	0	110	Q	W	0	--	6.2
	Other Nonprocess Use	--	Q	W	50	70	25	0	--	30.1
	End Use Not Reported	13,720	5,316	Q	466	4,379	1,234	0	W	17.2
357	Computer and Office Equipment									
	RSE Column Factors:	NA	1.4	0.7	1.7	1.3	1.3	0.3	NA	
	TOTAL INPUTS	1,410	1,381	W	54	1,037	Q	0	12	12.0
	Indirect Uses-Boiler Fuel	--	53	W	8	69	W	0	--	27.4
	Direct Uses-Total Process	--	960	0	0	63	0	0	--	19.5
	Process Heating	--	198	0	0	60	0	0	--	27.7
	Process Cooling and Refrigeration	--	104	0	0	W	0	0	--	26.3
	Machine Drive	--	866	0	0	W	0	0	--	19.8
	Electro-Chemical Processes	--	12	--	--	--	--	--	--	1.9
	Other Process Use	--	Q	0	0	W	0	0	--	40.0
	Direct Uses-Total Nonprocess	--	1,158	0	Q	742	Q	0	--	14.8
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	1,114	0	W	730	Q	0	--	14.4
	Facility Lighting	--	1,140	--	--	--	--	--	--	1.5
	Facility Support	--	736	0	11	124	9	0	--	26.4
	Onsite Transportation	--	10	--	W	0	9	--	--	8.5
	Conventional Electricity Generation	--	--	0	Q	0	0	0	--	0.7
	Other Nonprocess Use	--	Q	0	5	W	W	0	--	25.1
	End Use Not Reported	490	Q	0	0	269	W	0	12	36.0

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
36	ELECTRONIC and OTHER ELECTRIC EQUIPMENT									
	RSE Column Factors:	NA	0.7	1.1	1.3	0.9	1.5	0.7	NA	
	TOTAL INPUTS	11,254	11,254	65	721	7,362	1,849	12	W	8.3
	Indirect Uses-Boiler Fuel	--	523	57	343	1,264	102	12	--	21.7
	Direct Uses-Total Process	--	7,468	8	37	2,051	335	W	--	16.1
	Process Heating	--	3,700	7	11	1,769	253	W	--	20.4
	Process Cooling and Refrigeration	--	2,003	W	W	18	0	0	--	27.2
	Machine Drive	--	6,656	0	19	330	86	0	--	22.1
	Electro-Chemical Processes	--	736	--	--	--	--	--	--	1.7
	Other Process Use	--	273	0	7	88	26	0	--	37.4
	Direct Uses-Total Nonprocess	--	9,196	14	238	5,454	1,482	0	--	11.1
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	8,159	14	66	5,122	419	0	--	16.7
	Facility Lighting	--	8,989	--	--	--	--	--	--	1.3
	Facility Support	--	5,048	0	23	1,736	145	0	--	20.1
	Onsite Transportation	--	370	--	84	Q	1,007	--	--	5.5
	Conventional Electricity Generation	--	--	0	85	19	15	0	--	13.2
	Other Nonprocess Use	--	12	0	22	7	4	0	--	28.5
	End Use Not Reported	3,568	1,849	3	143	1,021	341	0	W	23.5
37	TRANSPORTATION EQUIPMENT									
	RSE Column Factors:	NA	0.7	1.0	1.2	0.8	1.3	1.2	NA	
	TOTAL INPUTS	7,240	7,240	46	811	4,300	2,643	31	1,790	9.1
	Indirect Uses-Boiler Fuel	--	274	44	117	656	Q	30	--	23.6
	Direct Uses-Total Process	--	5,784	3	81	1,672	437	W	--	18.6
	Process Heating	--	1,968	3	8	1,515	139	W	--	19.7
	Process Cooling and Refrigeration	--	807	0	W	10	0	0	--	29.0
	Machine Drive	--	5,566	0	59	241	273	0	--	24.2
	Electro-Chemical Processes	--	217	--	--	--	--	--	--	1.7
	Other Process Use	--	171	0	Q	21	45	0	--	29.1
	Direct Uses-Total Nonprocess	--	6,351	6	426	3,608	2,022	W	--	13.6
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	5,436	6	101	3,585	479	W	--	18.0
	Facility Lighting	--	6,008	--	--	--	--	--	--	1.3
	Facility Support	--	3,628	W	41	917	51	0	--	22.2
	Onsite Transportation	--	153	--	302	Q	1,634	--	--	5.3
	Conventional Electricity Generation	--	--	W	44	4	3	0	--	12.5
	Other Nonprocess Use	--	24	W	4	4	8	0	--	31.3
	End Use Not Reported	2,847	872	0	296	316	416	0	1,790	34.7
3711	Motor Vehicles and Car Bodies									
	RSE Column Factors:	NA	0.3	1.1	1.1	1.9	1.1	1.1	NA	
	TOTAL INPUTS	322	322	W	Q	261	Q	Q	Q	8.3
	Indirect Uses-Boiler Fuel	--	Q	W	W	Q	Q	Q	--	0.0
	Direct Uses-Total Process	--	321	0	Q	Q	Q	0	--	3.0
	Process Heating	--	Q	0	0	Q	Q	0	--	0.0
	Process Cooling and Refrigeration	--	Q	0	0	W	0	0	--	0.0
	Machine Drive	--	321	0	Q	W	0	0	--	3.0
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	0.8
	Other Process Use	--	Q	0	0	0	0	0	--	0.0
	Direct Uses-Total Nonprocess	--	321	0	Q	252	Q	0	--	8.4
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	244	0	W	252	Q	0	--	58.0
	Facility Lighting	--	321	--	--	--	--	--	--	1.0
	Facility Support	--	Q	0	W	Q	Q	0	--	0.0
	Onsite Transportation	--	Q	--	Q	0	Q	--	--	0.9
	Conventional Electricity Generation	--	--	0	W	0	0	0	--	3.0
	Other Nonprocess Use	--	W	0	W	0	0	0	--	0.0
	End Use Not Reported	Q	W	0	W	0	Q	0	Q	0.0

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
3714	Motor Vehicle Parts and Accessories									
	RSE Column Factors:	NA	0.7	0.8	1.4	0.9	1.4	1.1	NA	
	TOTAL INPUTS	2,062	2,062	5	141	1,454	803	21	533	11.4
	Indirect Uses-Boiler Fuel	--	138	5	22	277	21	19	--	25.9
	Direct Uses-Total Process	--	1,719	0	15	709	149	W	--	19.3
	Process Heating	--	805	0	3	698	63	W	--	22.8
	Process Cooling and Refrigeration	--	432	0	0	8	0	0	--	36.3
	Machine Drive	--	1,547	0	11	24	85	0	--	25.8
	Electro-Chemical Processes	--	36	--	--	--	--	--	--	1.7
	Other Process Use	--	88	0	W	7	Q	0	--	36.9
	Direct Uses-Total Nonprocess	--	2,006	0	99	1,217	560	W	--	12.5
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	1,917	0	20	1,214	47	W	--	17.2
	Facility Lighting	--	1,851	--	--	--	--	--	--	1.3
	Facility Support	--	1,194	0	10	302	16	0	--	22.0
	Onsite Transportation	--	72	--	58	W	531	--	--	6.5
	Conventional Electricity Generation	--	--	0	16	0	W	0	--	9.4
	Other Nonprocess Use	--	W	0	W	0	7	0	--	34.7
	End Use Not Reported	679	Q	0	22	Q	Q	0	533	20.6
38	INSTRUMENTS and RELATED PRODUCTS									
	RSE Column Factors:	NA	0.7	1.1	1.6	1.0	1.6	0.6	NA	
	TOTAL INPUTS	7,059	7,059	Q	866	4,591	825	Q	208	6.9
	Indirect Uses-Boiler Fuel	--	307	Q	85	675	14	W	--	25.7
	Direct Uses-Total Process	--	5,461	W	21	797	85	0	--	19.5
	Process Heating	--	2,641	W	8	541	63	0	--	24.4
	Process Cooling and Refrigeration	--	1,686	0	0	44	0	0	--	29.2
	Machine Drive	--	4,986	0	Q	62	20	0	--	24.2
	Electro-Chemical Processes	--	170	--	--	--	--	--	--	1.7
	Other Process Use	--	104	0	Q	Q	3	0	--	28.2
	Direct Uses-Total Nonprocess	--	6,375	6	623	3,893	715	0	--	14.3
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	5,850	6	541	3,824	310	0	--	17.4
	Facility Lighting	--	6,294	--	--	--	--	--	--	1.3
	Facility Support	--	4,153	0	39	1,028	Q	0	--	17.5
	Onsite Transportation	--	102	--	37	W	306	--	--	7.4
	Conventional Electricity Generation	--	--	0	25	4	5	0	--	8.9
	Other Nonprocess Use	--	Q	0	14	21	4	0	--	26.2
	End Use Not Reported	1,100	633	0	Q	457	61	W	208	29.4
3841	Surgical and Medical Instruments									
	RSE Column Factors:	NA	0.8	0.9	1.8	1.2	1.4	0.5	NA	
	TOTAL INPUTS	878	878	3	24	577	198	0	45	12.0
	Indirect Uses-Boiler Fuel	--	11	3	7	42	3	0	--	26.0
	Direct Uses-Total Process	--	611	0	4	147	14	0	--	21.1
	Process Heating	--	294	0	W	111	10	0	--	30.5
	Process Cooling and Refrigeration	--	190	0	0	Q	0	0	--	35.2
	Machine Drive	--	593	0	W	Q	3	0	--	22.6
	Electro-Chemical Processes	--	59	--	--	--	--	--	--	1.9
	Other Process Use	--	6	0	W	W	0	0	--	29.7
	Direct Uses-Total Nonprocess	--	810	0	16	502	180	0	--	13.2
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	803	0	9	500	Q	0	--	11.1
	Facility Lighting	--	807	--	--	--	--	--	--	1.3
	Facility Support	--	553	0	W	162	W	0	--	25.9
	Onsite Transportation	--	Q	--	W	0	Q	--	--	3.6
	Conventional Electricity Generation	--	--	0	6	0	W	0	--	8.2
	Other Nonprocess Use	--	9	0	0	0	W	0	--	40.4
	End Use Not Reported	123	68	0	W	50	4	0	45	29.5

See footnotes at end of table.

Table A8. Number of Establishments by Total Inputs of Energy for Heat, Power, and Electricity Generation, by Fuel Type, Industry Group, Selected Industries, and End Use, 1994: Part 3 (Continued)

SIC Code ^a	End-Use Categories	Any Energy Source ^b	Net Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel ^d	Natural Gas ^e	LPG	Coal (excluding Coal Coke and Breeze)	Other ^f	RSE Row Factors
39	MISC. MANUFACTURING INDUSTRIES									
	RSE Column Factors:	NA	0.8	0.7	1.9	0.9	1.6	0.6	NA	
	TOTAL INPUTS	9,994	9,994	161	856	6,488	1,079	3	1,015	12.0
	Indirect Uses-Boiler Fuel	--	388	38	84	805	6	3	--	29.6
	Direct Uses-Total Process	--	6,037	W	38	1,950	247	0	--	16.0
	Process Heating	--	2,473	W	Q	1,556	183	0	--	19.1
	Process Cooling and Refrigeration	--	982	0	0	W	0	0	--	24.7
	Machine Drive	--	5,956	0	8	516	86	0	--	19.0
	Electro-Chemical Processes	--	188	--	--	--	--	--	--	1.9
	Other Process Use	--	3	0	W	Q	W	0	--	28.2
	Direct Uses-Total Nonprocess	--	7,914	Q	578	4,217	833	0	--	10.7
	Facility Heating, Ventilation, and Air Conditioning ^g ..	--	6,542	Q	298	3,663	145	0	--	15.5
	Facility Lighting	--	7,609	--	--	--	--	--	--	1.3
	Facility Support	--	5,238	0	5	1,581	5	0	--	13.0
	Onsite Transportation	--	215	--	294	Q	692	--	--	7.8
	Conventional Electricity Generation	--	--	0	3	W	0	0	--	4.0
	Other Nonprocess Use	--	Q	0	0	W	0	0	--	0.0
	End Use Not Reported	3,497	1,994	W	Q	1,532	215	0	1,015	23.3

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b This count includes only those establishments that reported this activity in 1994. See Appendix B for number of establishments by SIC in the sample frame of 247,199 establishments.

^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 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 producers, brokers, and marketers.

^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.

^g Excludes steam and hot water.

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.

-- Estimation of energy input is not applicable.

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 for the production of heat and power, 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. • Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."

Table A8. Number of Establishments by Conditioned Floorspace and Energy Sources Used for Facility HVAC, by Industry Group and Selected Industries, 1994: Part 4

SIC Code ^a Industry Group and Industry		Establishments (counts)								RSE Row Factors	
		Total	No Conditioned ^b Floorspace	With Conditioned ^b Floorspace	Energy Sources Used for Facility HVAC						
					Net Demand for Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG		Coal ^f
RSE Column Factors:		0.1	1.5	0.3	0.4	2.7	2.7	0.9	2.2	3.4	
20	Food and Kindred Products	14,698	1,977	12,721	11,032	130	589	5,857	667	15	10.3
2011	Meat Packing Plants	759	Q	681	475	W	5	212	89	W	14.0
2033	Canned Fruits and Vegetables	531	42	489	450	W	5	365	61	0	11.0
2037	Frozen Fruits and Vegetables	232	Q	228	213	W	Q	126	Q	0	14.8
2046	Wet Corn Milling	58	4	54	42	0	W	13	7	0	9.4
2051	Bread, Cake, and Related Products	1,303	251	1,052	855	0	Q	620	19	0	21.3
2061	Cane Sugar, Except Refining	43	13	30	34	0	0	8	W	0	9.2
2062	Cane Sugar Refining	20	W	W	17	0	0	W	0	0	17.5
2063	Beet Sugar	41	5	36	32	0	0	21	9	W	3.0
2075	Soybean Oil Mills	95	14	81	73	W	0	27	W	0	1.4
2082	Malt Beverages	140	0	140	137	7	W	66	33	0	5.8
21	Tobacco Products	121	0	121	101	7	0	32	W	0	6.9
22	Textile Mill Products	4,427	970	3,456	3,420	39	252	1,391	378	W	16.1
23	Apparel and Other Textile Products	18,019	3,999	14,020	10,200	0	547	5,681	220	0	11.2
24	Lumber and Wood Products	21,481	6,965	14,516	10,553	63	468	4,736	1,276	W	9.7
2421	Sawmills and Planing Mills, General	3,406	1,345	2,061	1,831	Q	55	313	103	0	15.9
2436	Softwood Veneer and Plywood	182	16	166	134	0	9	25	16	0	8.6
2493	Reconstituted Wood Products	246	8	238	192	W	0	Q	Q	0	16.1
25	Furniture and Fixtures	7,686	1,115	6,571	5,472	Q	Q	3,474	405	Q	13.1
2511	Wood Furniture, Except Upholstered	1,543	297	1,246	1,194	W	Q	513	Q	W	19.1
26	Paper and Allied Products	5,582	697	4,885	4,264	52	302	2,985	133	Q	9.2
2611	Pulp Mills	55	9	46	45	0	3	14	0	0	6.4
2621	Paper Mills	310	32	278	249	17	19	77	14	3	3.5
2631	Paperboard Mills	219	17	202	159	7	W	51	6	0	3.0
27	Printing and Publishing	37,384	6,137	31,246	23,710	Q	915	14,397	1,036	26	8.7
28	Chemicals and Allied Products	9,565	1,147	8,418	7,790	25	342	3,899	290	6	9.4
2812	Alkalies and Chlorine	44	8	36	28	W	0	14	0	0	4.4
2813	Industrial Gases	623	302	321	278	0	0	77	W	0	9.8
2816	Inorganic Pigments	81	W	W	68	0	3	37	4	0	5.1
2819	Industrial Inorganic Chemicals, nec.	568	143	425	506	W	17	247	26	W	13.3
2821	Plastics Materials and Resins	456	28	428	371	0	W	174	17	0	8.4
2822	Synthetic Rubber	63	5	58	56	W	0	26	W	0	10.2
2823	Cellulosic Manmade Fibers	11	3	8	8	0	0	W	0	0	2.2
2824	Organic Fibers, Noncellulosic	73	5	68	65	0	W	15	6	0	4.4
2861	Gum and Wood Chemicals	60	26	34	30	0	0	11	5	0	4.7
2865	Cyclic Crudes and Intermediates	187	20	167	164	0	0	66	W	0	10.9
2869	Industrial Organic Chemicals, nec.	631	50	581	574	Q	44	257	4	0	13.3
2873	Nitrogenous Fertilizers	118	8	110	93	0	W	27	8	0	6.9
2874	Phosphatic Fertilizers	69	8	61	54	0	4	20	6	0	2.8
2895	Carbon Black	23	0	23	22	0	W	17	0	0	5.5
29	Petroleum and Coal Products	1,971	304	1,667	1,553	W	18	415	91	W	12.1
2911	Petroleum Refining	247	31	216	192	0	0	60	8	0	3.2
30	Rubber and Misc. Plastics Products	11,952	931	11,020	8,834	Q	388	6,127	493	10	9.4
3011	Tires and Inner Tubes	112	5	107	107	W	0	71	4	W	5.7
308	Miscellaneous Plastics Products, nec.	9,967	798	9,169	7,356	Q	213	4,967	458	7	10.0
31	Leather and Leather Products	1,356	366	990	837	W	Q	622	W	0	22.5
32	Stone, Clay and Glass Products	11,891	1,860	10,031	7,464	Q	246	4,194	657	Q	11.4
3211	Flat Glass	68	4	64	58	0	0	43	W	0	7.4
3221	Glass Containers	78	22	56	49	0	W	68	W	0	5.4
3229	Pressed and Blown Glass, nec.	163	W	W	160	0	0	100	W	0	12.0
3241	Cement, Hydraulic	190	12	178	127	0	7	64	18	0	8.4
3274	Lime	84	20	64	51	0	5	20	4	0	10.6
3296	Mineral Wool	174	8	166	143	0	W	124	11	0	4.8
33	Primary Metal Industries	5,171	605	4,566	4,033	24	126	3,110	360	W	9.5
331	Blast Furnace and Basic Steel Products	981	161	820	767	Q	24	619	26	W	12.5
3312	Blast Furnaces and Steel Mills	284	43	241	212	W	12	164	22	0	4.7
3313	Electrometallurgical Products	36	Q	31	25	0	W	22	W	0	22.1
3321	Gray and Ductile Iron Foundries	517	36	481	423	W	25	418	50	0	12.0
3331	Primary Copper	20	4	16	16	0	0	13	0	0	2.2
3334	Primary Aluminum	44	6	38	25	0	0	19	5	0	8.9
3339	Primary Nonferrous Metals, nec.	88	11	77	75	0	0	52	W	0	11.0
3353	Aluminum Sheet, Plate, and Foil	55	W	W	44	0	W	39	4	0	3.9
34	Fabricated Metal Products	26,262	3,669	22,593	19,070	14	619	14,806	891	Q	10.1
35	Industrial Machinery and Equipment	33,837	4,435	29,401	25,238	Q	936	18,382	1,647	Q	7.8
357	Computer and Office Equipment	1,410	144	1,266	1,114	0	W	730	Q	0	19.0
36	Electronic and Other Electric Equipment	11,254	1,512	9,742	8,159	14	69	5,303	421	24	12.4

See footnotes at end of table.

Table A8. Number of Establishments by Conditioned Floorspace and Energy Sources Used for Facility HVAC, by Industry Group and Selected Industries, 1994: Part 4 (Continued)

SIC Code ^a Industry Group and Industry		Establishments (counts)								RSE Row Factors	
		Total	No Conditioned ^b Floorspace	With Conditioned ^b Floorspace	Energy Sources Used for Facility HVAC						
					Net Demand for Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG		Coal ^f
		Total	No Conditioned ^b Floorspace	With Conditioned ^b Floorspace	Net Demand for Electricity ^c	Residual Fuel Oil	Distillate Fuel Oil ^d	Natural Gas ^e	LPG	Coal ^f	
RSE Column Factors:		0.1	1.5	0.3	0.4	2.7	2.7	0.9	2.2	3.4	
37	Transportation Equipment	7,240	681	6,559	5,438	6	103	3,740	597	W	11.8
3711	Motor Vehicles and Car Bodies	322	Q	261	244	0	W	252	Q	0	53.0
3714	Motor Vehicle Parts and Accessories	2,062	Q	1,894	1,917	0	21	1,359	65	W	12.3
38	Instruments and Related Products	7,059	416	6,644	5,850	Q	544	4,038	310	4	13.1
3841	Surgical and Medical Instruments	878	Q	819	803	0	9	502	Q	0	13.2
39	Misc. Manufacturing Industries	9,994	1,496	8,498	6,542	143	315	3,899	149	Q	14.1
Total		246,950	39,285	207,665	169,557	739	7,019	107,087	10,081	625	4.0

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b "Conditioned" floorspace is that enclosed square footage that had controlled heating or cooling through the use of equipment designed to modify the internal building temperature. This count includes only those establishments that reported this activity in 1994. See Appendix B for number of establishments by SIC in the sample frame of 247,199 establishments.

^c "Net Demand for Electricity" is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. "Net Demand for Electricity" is not directly comparable with "Net Electricity" which specifically excludes electricity generated onsite by combustible energy sources.

^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 producers, brokers, and marketers.

^f "Coal" excludes coal coke and breeze.

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. • Establishment totals may not equal sum of components because of unknown and/or unreported amounts of conditioned floorspace.

• HVAC = heating, ventilation, and air conditioning, excluding steam and hot water.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1994 Manufacturing Energy Consumption Survey."