

**Table A9. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Census Region, and End Use, 1994: Part 1**  
(Estimates in Btu or Physical Units)

End-Use Categories	Total (trillion Btu)	Net Electricity <sup>a</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>b</sup> (1000 bbl)	Natural Gas <sup>c</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other <sup>d</sup> (trillion Btu)	RSE Row Factors
Total United States									
RSE Column Factors:	NF	0.5	1.3	1.4	0.8	1.2	1.2	NF	
<b>TOTAL INPUTS</b> .....	16,515	778,335	70,111	26,107	5,962	25,949	54,143	5,828	2.7
<b>Indirect Uses-Boiler Fuel</b> .....	--	8,250	49,731	7,296	2,326	3,829	39,496	--	4.0
<b>Direct Uses-Total Process</b> .....	--	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
<b>Direct Uses-Total Nonprocess</b> .....	--	134,020	2,197	8,394	705	6,860	378	--	5.2
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	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
<b>End Use Not Reported</b> .....	6,106	27,874	1,359	1,622	143	1,209	571	5,828	8.8
Northeast Census Region									
RSE Column Factors:	NF	0.5	1.0	1.1	0.8	1.4	1.4	NF	
<b>TOTAL INPUTS</b> .....	1,625	94,006	24,368	7,116	502	4,663	5,775	446	4.5
<b>Indirect Uses-Boiler Fuel</b> .....	--	645	18,914	2,527	169	507	4,215	--	8.9
<b>Direct Uses-Total Process</b> .....	--	69,150	4,003	2,179	243	2,805	1,395	--	6.4
Process Heating .....	--	12,630	3,742	1,628	233	2,599	1,395	--	7.8
Process Cooling and Refrigeration .....	--	4,728	18	6	1	*	0	--	24.5
Machine Drive .....	--	44,354	234	492	6	108	0	--	14.5
Electro-Chemical Processes .....	--	6,972	--	--	--	--	--	--	1.3
Other Process Use .....	--	466	Q	53	3	Q	0	--	19.1
<b>Direct Uses-Total Nonprocess</b> .....	--	20,221	1,170	1,912	71	1,128	15	--	9.1
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	8,989	404	921	55	387	Q	--	8.1
Facility Lighting .....	--	8,584	--	--	--	--	--	--	1.3
Facility Support .....	--	2,204	W	64	4	37	0	--	16.6
Onsite Transportation .....	--	191	--	683	*	691	--	--	5.9
Conventional Electricity Generation .....	--	--	W	224	11	W	14	--	13.4
Other Nonprocess Use .....	--	253	120	20	*	W	0	--	30.3
<b>End Use Not Reported</b> .....	487	3,989	281	498	18	223	150	446	15.7
Midwest Census Region									
RSE Column Factors:	NF	0.5	1.3	1.6	0.7	1.2	1.1	NF	
<b>TOTAL INPUTS</b> .....	4,303	237,676	11,969	4,034	1,587	5,103	18,418	1,332	5.2
<b>Indirect Uses-Boiler Fuel</b> .....	--	2,341	8,417	708	502	441	14,605	--	7.8
<b>Direct Uses-Total Process</b> .....	--	186,527	3,453	1,222	829	1,949	3,486	--	6.7
Process Heating .....	--	28,846	W	514	789	1,674	W	--	8.2
Process Cooling and Refrigeration .....	--	10,716	*	Q	1	0	3	--	19.5
Machine Drive .....	--	129,850	W	419	15	211	W	--	13.4
Electro-Chemical Processes .....	--	15,140	--	--	--	--	--	--	1.1
Other Process Use .....	--	1,975	*	280	23	65	0	--	18.7
<b>Direct Uses-Total Nonprocess</b> .....	--	41,123	W	1,791	205	2,351	W	--	8.3
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	18,206	W	95	182	420	W	--	12.5
Facility Lighting .....	--	17,856	--	--	--	--	--	--	1.2
Facility Support .....	--	4,134	6	15	12	48	1	--	16.6
Onsite Transportation .....	--	447	--	1,615	*	1,866	--	--	6.5
Conventional Electricity Generation .....	--	--	0	11	8	W	W	--	6.6
Other Nonprocess Use .....	--	481	25	55	3	W	0	--	25.5
<b>End Use Not Reported</b> .....	1,420	7,685	W	312	52	362	W	1,332	16.7

See footnotes at end of table.

**Table A9. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Census Region, and End Use, 1994: Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

End-Use Categories	Total (trillion Btu)	Net Electricity <sup>a</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>b</sup> (1000 bbl)	Natural Gas <sup>c</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	Other <sup>d</sup> (trillion Btu)	RSE Row Factors
South Census Region									
RSE Column Factors:	NF	0.5	1.3	1.5	0.8	1.2	1.2	NF	
<b>TOTAL INPUTS</b> .....	8,357	332,754	28,003	9,464	3,176	7,032	23,986	3,164	3.8
<b>Indirect Uses-Boiler Fuel</b> .....	--	3,622	19,280	3,243	1,377	905	18,405	--	5.7
<b>Direct Uses-Total Process</b> .....	--	264,050	7,386	3,232	1,405	3,455	5,189	--	5.5
Process Heating .....	--	31,124	7,165	1,764	1,305	3,027	W	--	6.4
Process Cooling and Refrigeration .....	--	19,875	1	11	16	W	0	--	17.4
Machine Drive .....	--	178,797	155	1,381	62	W	W	--	13.6
Electro-Chemical Processes .....	--	33,222	--	--	--	--	--	--	1.2
Other Process Use .....	--	1,032	65	Q	21	89	Q	--	20.6
<b>Direct Uses-Total Nonprocess</b> .....	--	52,608	958	2,491	343	2,232	221	--	6.6
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	27,313	W	145	70	452	69	--	9.9
Facility Lighting .....	--	19,443	--	--	--	--	--	--	1.1
Facility Support .....	--	5,024	W	62	7	W	0	--	12.5
Onsite Transportation .....	--	399	--	2,086	*	1,697	--	--	4.2
Conventional Electricity Generation .....	--	--	W	34	262	W	152	--	9.5
Other Nonprocess Use .....	--	429	23	164	4	Q	0	--	22.6
<b>End Use Not Reported</b> .....	3,269	12,474	379	499	50	440	172	3,164	15.3
West Census Region									
RSE Column Factors:	NF	0.6	0.9	1.8	0.9	1.1	1.1	NF	
<b>TOTAL INPUTS</b> .....	2,230	113,899	5,772	5,493	698	9,151	5,965	886	4.7
<b>Indirect Uses-Boiler Fuel</b> .....	--	1,641	3,119	817	278	1,976	2,272	--	9.8
<b>Direct Uses-Total Process</b> .....	--	88,463	1,983	2,162	311	5,843	3,627	--	6.4
Process Heating .....	--	10,551	W	1,013	296	5,215	W	--	7.7
Process Cooling and Refrigeration .....	--	5,263	0	Q	2	W	0	--	12.9
Machine Drive .....	--	47,544	W	869	9	W	W	--	9.2
Electro-Chemical Processes .....	--	24,216	--	--	--	--	--	--	1.1
Other Process Use .....	--	890	*	Q	4	4	0	--	27.7
<b>Direct Uses-Total Nonprocess</b> .....	--	20,069	W	2,200	86	1,149	W	--	8.4
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	9,154	W	Q	34	114	W	--	16.9
Facility Lighting .....	--	8,450	--	--	--	--	--	--	1.3
Facility Support .....	--	2,182	W	61	6	W	0	--	17.5
Onsite Transportation .....	--	155	--	1,614	*	914	--	--	5.3
Conventional Electricity Generation .....	--	--	0	337	44	W	W	--	8.1
Other Nonprocess Use .....	--	127	0	76	2	W	0	--	27.8
<b>End Use Not Reported</b> .....	930	3,726	W	313	24	184	W	886	15.6

<sup>a</sup> "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).

<sup>b</sup> Includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> "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.

<sup>e</sup> 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 A9. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Census Region, and End Use, 1994: Part 2**  
(Estimates in Trillion Btu)

End-Use Categories	Total	Net Electricity <sup>a</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal (excluding Coal Coke and Breeze)	Other <sup>d</sup>	RSE Row Factors
Total United States									
RSE Column Factors:	NF	0.5	1.3	1.4	0.8	1.2	1.2	NF	
<b>TOTAL INPUTS</b> .....	16,515	2,656	441	152	6,141	99	1,198	5,828	2.7
<b>Indirect Uses-Boiler Fuel</b> .....	--	28	313	42	2,396	15	875	--	4.0
<b>Direct Uses-Total Process</b> .....	--	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
<b>Direct Uses-Total Nonprocess</b> .....	--	457	14	49	726	25	8	--	5.2
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	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
<b>End Use Not Reported</b> .....	6,106	96	9	9	148	4	13	5,828	8.8
Northeast Census Region									
RSE Column Factors:	NF	0.5	1.0	1.2	0.8	1.4	1.4	NF	
<b>TOTAL INPUTS</b> .....	1,625	321	153	41	517	18	130	446	4.4
<b>Indirect Uses-Boiler Fuel</b> .....	--	2	119	15	174	2	95	--	8.9
<b>Direct Uses-Total Process</b> .....	--	236	25	13	250	11	31	--	6.4
Process Heating .....	--	43	24	9	240	10	31	--	7.8
Process Cooling and Refrigeration .....	--	16	*	*	1	*	0	--	24.5
Machine Drive .....	--	151	1	3	6	*	0	--	14.5
Electro-Chemical Processes .....	--	24	--	--	--	--	--	--	1.3
Other Process Use .....	--	2	*	*	3	*	0	--	19.1
<b>Direct Uses-Total Nonprocess</b> .....	--	69	7	11	74	4	*	--	9.1
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	31	3	5	57	1	*	--	8.1
Facility Lighting .....	--	29	--	--	--	--	--	--	1.3
Facility Support .....	--	8	W	*	4	*	0	--	16.5
Onsite Transportation .....	--	1	--	4	*	3	--	--	5.9
Conventional Electricity Generation .....	--	--	W	1	12	W	*	--	13.4
Other Nonprocess Use .....	--	1	1	*	*	W	0	--	30.2
<b>End Use Not Reported</b> .....	487	14	2	3	18	1	3	446	15.7
Midwest Census Region									
RSE Column Factors:	NF	0.5	1.3	1.6	0.7	1.2	1.1	NF	
<b>TOTAL INPUTS</b> .....	4,303	811	75	23	1,635	19	407	1,332	5.2
<b>Indirect Uses-Boiler Fuel</b> .....	--	8	53	4	517	2	323	--	7.8
<b>Direct Uses-Total Process</b> .....	--	636	22	7	854	7	77	--	6.7
Process Heating .....	--	98	W	3	813	6	W	--	8.0
Process Cooling and Refrigeration .....	--	37	*	*	1	0	*	--	19.5
Machine Drive .....	--	443	W	2	16	1	W	--	13.4
Electro-Chemical Processes .....	--	52	--	--	--	--	--	--	1.1
Other Process Use .....	--	7	*	2	24	*	0	--	18.7
<b>Direct Uses-Total Nonprocess</b> .....	--	140	W	10	211	9	W	--	8.3
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	62	W	1	187	2	W	--	12.5
Facility Lighting .....	--	61	--	--	--	--	--	--	1.2
Facility Support .....	--	14	*	*	12	*	*	--	16.6
Onsite Transportation .....	--	2	--	9	*	7	--	--	6.5
Conventional Electricity Generation .....	--	--	0	*	8	W	W	--	6.6
Other Nonprocess Use .....	--	2	*	*	3	W	0	--	25.5
<b>End Use Not Reported</b> .....	1,420	26	W	2	53	1	W	1,332	16.7

See footnotes at end of table.

**Table A9. Total Inputs of Energy for Heat, Power, and Electricity Generation by Fuel Type, Census Region, and End Use, 1994: Part 2 (Continued)**  
(Estimates in Trillion Btu)

End-Use Categories	Total	Net Electricity <sup>a</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal (excluding Coal Coke and Breeze)	Other <sup>d</sup>	RSE Row Factors
South Census Region									
RSE Column Factors:	NF	0.5	1.3	1.5	0.8	1.2	1.2	NF	
<b>TOTAL INPUTS</b> .....	8,357	1,135	176	55	3,271	26	530	3,164	3.8
<b>Indirect Uses-Boiler Fuel</b> .....	--	12	121	19	1,419	3	407	--	5.7
<b>Direct Uses-Total Process</b> .....	--	901	46	19	1,447	13	115	--	5.5
Process Heating .....	--	106	45	10	1,345	11	W	--	6.4
Process Cooling and Refrigeration .....	--	68	*	*	17	W	0	--	17.4
Machine Drive .....	--	610	1	8	64	W	W	--	13.6
Electro-Chemical Processes .....	--	113	--	--	--	--	--	--	1.2
Other Process Use .....	--	4	*	*	22	*	*	--	20.6
<b>Direct Uses-Total Nonprocess</b> .....	--	179	6	15	353	8	5	--	6.6
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	93	W	1	72	2	2	--	9.9
Facility Lighting .....	--	66	--	--	--	--	--	--	1.1
Facility Support .....	--	17	W	*	7	W	0	--	12.6
Onsite Transportation .....	--	1	--	12	*	6	--	--	4.2
Conventional Electricity Generation .....	--	--	W	*	269	W	3	--	9.4
Other Nonprocess Use .....	--	1	*	1	4	*	0	--	22.6
<b>End Use Not Reported</b> .....	3,269	43	2	3	52	2	4	3,164	15.3
West Census Region									
RSE Column Factors:	NF	0.6	0.9	1.8	0.9	1.1	1.1	NF	
<b>TOTAL INPUTS</b> .....	2,230	389	36	32	719	37	131	886	4.7
<b>Indirect Uses-Boiler Fuel</b> .....	--	6	20	5	286	8	50	--	9.8
<b>Direct Uses-Total Process</b> .....	--	302	12	13	320	24	80	--	6.4
Process Heating .....	--	36	W	6	305	21	W	--	7.8
Process Cooling and Refrigeration .....	--	18	0	*	2	W	0	--	12.9
Machine Drive .....	--	162	W	5	9	W	W	--	9.2
Electro-Chemical Processes .....	--	83	--	--	--	--	--	--	1.1
Other Process Use .....	--	3	*	Q	5	*	0	--	27.9
<b>Direct Uses-Total Nonprocess</b> .....	--	68	W	13	89	4	W	--	8.4
Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	--	31	W	Q	35	*	W	--	16.9
Facility Lighting .....	--	29	--	--	--	--	--	--	1.3
Facility Support .....	--	7	W	*	6	W	0	--	17.2
Onsite Transportation .....	--	1	--	9	*	3	--	--	5.3
Conventional Electricity Generation .....	--	--	0	2	45	W	W	--	8.1
Other Nonprocess Use .....	--	*	0	*	2	W	0	--	23.7
<b>End Use Not Reported</b> .....	930	13	W	2	24	1	W	886	15.3

<sup>a</sup> "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).

<sup>b</sup> Includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> "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.

<sup>e</sup> 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 A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>c</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>20-39</b>	<b>ALL INDUSTRY GROUPS</b>							
	<b>RSE Column Factors:</b>	0.5	1.4	1.4	0.8	1.2	1.2	
	<b>TOTAL INPUTS</b> .....	917,832	70,111	26,107	5,962	25,949	54,143	2.4
	<b>Indirect Uses-Boiler Fuel</b> .....	12,467	49,731	7,296	2,326	3,829	39,496	3.7
	<b>Direct Uses-Total Process</b> .....	729,423	16,825	8,795	2,788	14,051	13,697	3.8
	Process Heating .....	86,383	16,326	4,919	2,623	12,515	13,545	4.1
	Process Cooling and Refrigeration .....	46,650	19	44	20	413	3	17.5
	Machine Drive .....	494,553	406	3,161	93	869	149	7.7
	Electro-Chemical Processes .....	96,107	--	--	--	--	--	1.1
	Other Process Use .....	5,730	74	671	52	254	Q	16.2
	<b>Direct Uses-Total Nonprocess</b> .....	144,656	2,197	8,394	705	6,860	378	5.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	68,404	777	1,274	341	1,373	118	6.5
	Facility Lighting .....	58,690	--	--	--	--	--	1.1
	Facility Support .....	14,806	455	203	29	156	1	12.1
	Onsite Transportation .....	1,250	--	5,997	1	5,168	--	3.9
	Conventional Electricity Generation .....	--	797	604	325	119	259	8.3
	Other Nonprocess Use .....	1,507	167	316	9	44	0	17.1
	<b>End Use Not Reported</b> .....	31,286	1,359	1,622	143	1,209	571	8.8
<b>20</b>	<b>FOOD and KINDRED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.3	1.8	0.9	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	64,877	4,785	3,180	611	1,707	7,500	5.8
	<b>Indirect Uses-Boiler Fuel</b> .....	1,214	4,214	1,637	355	444	6,966	7.9
	<b>Direct Uses-Total Process</b> .....	50,220	447	371	182	537	458	7.9
	Process Heating .....	2,587	413	133	173	471	W	8.8
	Process Cooling and Refrigeration .....	14,880	0	39	1	W	0	12.6
	Machine Drive .....	32,494	7	170	6	34	W	15.2
	Electro-Chemical Processes .....	101	--	--	--	--	--	1.7
	Other Process Use .....	159	27	28	1	W	Q	18.6
	<b>Direct Uses-Total Nonprocess</b> .....	10,290	59	989	55	626	47	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	4,545	W	138	34	99	W	15.4
	Facility Lighting .....	4,266	--	--	--	--	--	1.2
	Facility Support .....	1,178	Q	33	5	32	W	20.2
	Onsite Transportation .....	148	--	525	*	491	--	4.3
	Conventional Electricity Generation .....	--	W	243	15	*	43	12.2
	Other Nonprocess Use .....	153	0	Q	1	Q	0	39.4
	<b>End Use Not Reported</b> .....	3,153	65	183	20	Q	Q	16.3
<b>2011</b>	<b>Meat Packing Plants</b>							
	<b>RSE Column Factors:</b>	1.0	1.1	1.6	0.9	1.5	0.4	
	<b>TOTAL INPUTS</b> .....	3,930	138	101	35	W	W	12.2
	<b>Indirect Uses-Boiler Fuel</b> .....	38	138	37	25	60	*	14.9
	<b>Direct Uses-Total Process</b> .....	3,352	*	17	8	39	W	15.1
	Process Heating .....	40	*	*	7	39	W	17.0
	Process Cooling and Refrigeration .....	2,084	0	Q	*	0	0	13.5
	Machine Drive .....	1,224	0	0	*	*	0	13.9
	Electro-Chemical Processes .....	1	--	--	--	--	--	1.8
	Other Process Use .....	3	0	14	*	*	0	28.8
	<b>Direct Uses-Total Nonprocess</b> .....	441	*	Q	2	W	W	12.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	180	*	*	2	3	W	16.9
	Facility Lighting .....	191	--	--	--	--	--	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
	<b>End Use Not Reported</b> .....	Q	0	0	1	*	0	29.7

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
2033	<b>Canned Fruits and Vegetables</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.8	0.8	1.2	0.8	
	<b>TOTAL INPUTS</b> .....	1,893	241	119	42	W	W	14.1
	<b>Indirect Uses-Boiler Fuel</b> .....	43	218	26	34	*	W	20.9
	<b>Direct Uses-Total Process</b> .....	1,542	22	7	2	5	0	25.9
	Process Heating .....	46	22	0	1	Q	0	28.4
	Process Cooling and Refrigeration .....	443	0	0	*	0	0	28.1
	Machine Drive .....	1,036	0	7	*	2	0	21.3
	Electro-Chemical Processes .....	13	--	--	--	--	--	1.8
	Other Process Use .....	4	0	0	*	0	0	42.4
	<b>Direct Uses-Total Nonprocess</b> .....	297	*	78	6	W	0	12.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	114	*	*	2	W	0	17.1
	Facility Lighting .....	136	--	--	--	--	--	1.4
	Facility Support .....	39	0	*	*	W	0	19.9
	Onsite Transportation .....	7	--	44	0	100	--	5.6
	Conventional Electricity Generation .....	--	0	34	4	0	0	9.5
	Other Nonprocess Use .....	0	0	0	0	*	0	0.0
	<b>End Use Not Reported</b> .....	Q	*	Q	*	6	0	21.6
2037	<b>Frozen Fruits and Vegetables</b>							
	<b>RSE Column Factors:</b>	1.1	1.1	1.8	0.8	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	2,992	204	62	27	74	0	13.5
	<b>Indirect Uses-Boiler Fuel</b> .....	47	119	39	20	25	0	19.1
	<b>Direct Uses-Total Process</b> .....	2,584	Q	4	5	14	0	13.3
	Process Heating .....	134	Q	Q	5	11	0	18.0
	Process Cooling and Refrigeration .....	1,352	0	Q	*	0	0	16.2
	Machine Drive .....	1,087	0	*	*	3	0	13.1
	Electro-Chemical Processes .....	1	--	--	--	--	--	1.8
	Other Process Use .....	10	0	1	0	0	0	22.6
	<b>Direct Uses-Total Nonprocess</b> .....	361	1	12	1	34	0	15.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	143	1	1	1	Q	0	20.7
	Facility Lighting .....	169	--	--	--	--	--	1.5
	Facility Support .....	43	1	0	*	*	0	26.4
	Onsite Transportation .....	6	--	11	0	29	--	5.8
	Conventional Electricity Generation .....	--	0	*	0	0	0	4.2
	Other Nonprocess Use .....	1	0	*	0	0	0	31.0
	<b>End Use Not Reported</b> .....	0	Q	6	*	Q	0	37.7
2046	<b>Wet Corn Milling</b>							
	<b>RSE Column Factors:</b>	1.1	0.8	1.7	0.9	1.4	0.5	
	<b>TOTAL INPUTS</b> .....	7,327	169	10	67	9	3,556	18.1
	<b>Indirect Uses-Boiler Fuel</b> .....	118	169	4	34	*	3,556	24.3
	<b>Direct Uses-Total Process</b> .....	6,627	0	3	32	8	0	16.0
	Process Heating .....	19	0	2	32	8	0	23.6
	Process Cooling and Refrigeration .....	35	0	0	0	0	0	18.6
	Machine Drive .....	6,574	0	1	0	0	0	14.8
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	458	0	3	*	1	0	13.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	166	0	*	*	*	0	17.9
	Facility Lighting .....	206	--	--	--	--	--	1.5
	Facility Support .....	65	0	*	*	0	0	25.9
	Onsite Transportation .....	1	--	3	0	1	--	6.9
	Conventional Electricity Generation .....	--	0	*	0	0	0	4.5
	Other Nonprocess Use .....	21	0	0	*	0	0	40.6
	<b>End Use Not Reported</b> .....	123	0	0	*	*	0	32.3

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>2051</b>	<b>Bread, Cake, and Related Products</b>							
	<b>RSE Column Factors:</b>	1.0	0.4	2.2	1.2	2.1	0.4	
	<b>TOTAL INPUTS</b> .....	2,490	Q	131	26	89	0	11.0
	<b>Indirect Uses-Boiler Fuel</b> .....	42	Q	Q	4	Q	0	17.0
	<b>Direct Uses-Total Process</b> .....	1,699	Q	19	18	Q	0	10.4
	Process Heating .....	199	Q	13	18	Q	0	14.2
	Process Cooling and Refrigeration .....	398	0	0	*	0	0	22.7
	Machine Drive .....	1,094	0	0	*	0	0	8.4
	Electro-Chemical Processes .....	Q	--	--	--	--	--	1.0
	Other Process Use .....	Q	0	6	*	0	0	20.7
	<b>Direct Uses-Total Nonprocess</b> .....	639	0	87	3	11	0	12.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	256	0	Q	2	2	0	12.8
	Facility Lighting .....	280	--	--	--	--	--	1.4
	Facility Support .....	96	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
	<b>End Use Not Reported</b> .....	110	0	0	1	Q	0	29.5
<b>2061</b>	<b>Cane Sugar, Except Refining</b>							
	<b>RSE Column Factors:</b>	0.9	1.0	1.1	0.9	1.4	0.8	
	<b>TOTAL INPUTS</b> .....	675	W	220	2	W	W	14.2
	<b>Indirect Uses-Boiler Fuel</b> .....	48	348	22	2	1	W	16.6
	<b>Direct Uses-Total Process</b> .....	516	5	23	*	*	0	20.0
	Process Heating .....	39	W	16	*	0	0	23.3
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	21.0
	Machine Drive .....	444	W	6	0	0	0	18.0
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.8
	Other Process Use .....	20	0	0	0	*	0	22.0
	<b>Direct Uses-Total Nonprocess</b> .....	112	W	140	W	W	0	16.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	34	0	0	W	W	0	16.4
	Facility Lighting .....	44	--	--	--	--	--	1.4
	Facility Support .....	9	0	0	*	0	0	16.5
	Onsite Transportation .....	0	--	82	0	*	--	4.3
	Conventional Electricity Generation .....	--	W	58	0	0	0	9.0
	Other Nonprocess Use .....	24	0	*	0	0	0	24.2
	<b>End Use Not Reported</b> .....	*	W	35	W	*	0	25.6
<b>2062</b>	<b>Cane Sugar Refining</b>							
	<b>RSE Column Factors:</b>	1.2	0.8	1.7	1.0	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	436	313	97	16	4	0	20.2
	<b>Indirect Uses-Boiler Fuel</b> .....	62	307	24	15	*	0	21.9
	<b>Direct Uses-Total Process</b> .....	331	6	70	1	*	0	24.3
	Process Heating .....	21	5	3	1	*	0	26.0
	Process Cooling and Refrigeration .....	18	0	0	0	0	0	23.2
	Machine Drive .....	291	1	67	0	0	0	29.8
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	44	0	4	*	4	0	21.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	13	0	0	*	0	0	29.1
	Facility Lighting .....	24	--	--	--	--	--	1.7
	Facility Support .....	7	0	1	0	0	0	22.1
	Onsite Transportation .....	1	--	2	0	4	--	8.6
	Conventional Electricity Generation .....	--	0	1	0	0	0	5.0
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	0	0	0	0	*	0	33.9

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
2063	Beet Sugar							
	RSE Column Factors:	0.8	0.9	1.2	1.0	1.1	1.0	
	<b>TOTAL INPUTS</b> .....	947	270	W	18	W	1,790	2.9
	<b>Indirect Uses-Boiler Fuel</b> .....	11	115	*	12	0	1,330	5.1
	<b>Direct Uses-Total Process</b> .....	819	155	W	6	1	432	4.7
	Process Heating .....	W	155	W	6	W	W	6.1
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	10.8
	Machine Drive .....	W	0	0	*	W	W	6.5
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	97	0	18	*	W	28	3.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	28	0	0	*	W	W	5.9
	Facility Lighting .....	49	--	--	--	--	--	1.2
	Facility Support .....	20	0	0	*	W	W	6.7
	Onsite Transportation .....	*	--	17	0	3	--	2.6
	Conventional Electricity Generation .....	--	0	*	*	0	W	4.9
	Other Nonprocess Use .....	0	0	0	0	*	0	9.1
	<b>End Use Not Reported</b> .....	20	0	0	0	*	0	9.3
2075	Soybean Oil Mills							
	RSE Column Factors:	1.3	0.8	1.2	1.0	0.9	0.9	
	<b>TOTAL INPUTS</b> .....	2,248	147	W	29	W	682	1.3
	<b>Indirect Uses-Boiler Fuel</b> .....	75	W	35	21	W	W	1.4
	<b>Direct Uses-Total Process</b> .....	2,025	0	W	7	W	W	1.0
	Process Heating .....	33	0	W	6	0	W	0.9
	Process Cooling and Refrigeration .....	119	0	0	0	0	0	2.2
	Machine Drive .....	1,870	0	W	0	0	0	0.8
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.0
	Other Process Use .....	4	0	0	1	W	0	1.0
	<b>Direct Uses-Total Nonprocess</b> .....	147	W	9	W	W	W	1.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	63	W	0	W	W	0	1.0
	Facility Lighting .....	63	--	--	--	--	--	1.1
	Facility Support .....	20	*	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
	<b>End Use Not Reported</b> .....	1	0	*	W	*	0	0.9
2082	Malt Beverages							
	RSE Column Factors:	1.5	0.2	2.4	1.6	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	2,975	W	21	21	W	789	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	59	W	14	19	W	789	8.8
	<b>Direct Uses-Total Process</b> .....	2,355	W	*	2	W	0	7.7
	Process Heating .....	W	W	0	2	W	0	16.4
	Process Cooling and Refrigeration .....	943	0	*	0	0	0	5.2
	Machine Drive .....	1,360	0	0	0	0	0	3.9
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.1
	Other Process Use .....	W	0	0	0	0	0	0.6
	<b>Direct Uses-Total Nonprocess</b> .....	500	W	6	1	W	0	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	201	W	2	1	W	0	8.0
	Facility Lighting .....	214	--	--	--	--	--	1.4
	Facility Support .....	W	0	0	0	0	0	15.6
	Onsite Transportation .....	14	--	4	*	W	--	5.7
	Conventional Electricity Generation .....	--	0	0	0	0	0	0.6
	Other Nonprocess Use .....	W	0	*	0	0	0	2.1
	<b>End Use Not Reported</b> .....	61	0	0	0	*	0	13.0

See footnotes at end of table.



**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>21</b>	<b>TOBACCO PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.7	0.9	1.8	0.9	1.5	0.6	
	<b>TOTAL INPUTS</b> .....	1,572	133	W	W	W	W	20.9
	<b>Indirect Uses-Boiler Fuel</b> .....	6	119	17	2	W	W	25.8
	<b>Direct Uses-Total Process</b> .....	988	8	W	1	*	0	23.3
	Process Heating .....	13	7	*	1	*	0	26.9
	Process Cooling and Refrigeration .....	36	1	0	*	0	0	38.7
	Machine Drive .....	873	0	W	*	0	0	25.6
	Electro-Chemical Processes .....	0	--	--	--	--	--	0.9
	Other Process Use .....	66	0	0	*	0	0	39.8
	<b>Direct Uses-Total Nonprocess</b> .....	576	6	1	W	14	0	26.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	407	4	0	W	Q	0	33.5
	Facility Lighting .....	137	--	--	--	--	--	1.6
	Facility Support .....	32	2	0	*	0	0	34.3
	Onsite Transportation .....	0	--	*	0	13	--	5.1
	Conventional Electricity Generation .....	--	0	1	0	0	0	5.6
	Other Nonprocess Use .....	0	0	*	0	*	0	23.2
	<b>End Use Not Reported</b> .....	Q	0	0	0	0	0	0.0
<b>22</b>	<b>TEXTILE MILL PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.3	0.9	1.2	0.9	
	<b>TOTAL INPUTS</b> .....	33,124	2,680	W	113	W	1,821	11.9
	<b>Indirect Uses-Boiler Fuel</b> .....	320	2,360	1,000	67	W	1,794	15.8
	<b>Direct Uses-Total Process</b> .....	22,622	168	W	35	728	0	15.1
	Process Heating .....	1,456	125	W	32	695	0	19.1
	Process Cooling and Refrigeration .....	2,005	0	0	*	0	0	13.5
	Machine Drive .....	18,885	Q	Q	Q	Q	0	6.7
	Electro-Chemical Processes .....	53	--	--	--	--	--	1.9
	Other Process Use .....	223	0	0	*	Q	0	55.1
	<b>Direct Uses-Total Nonprocess</b> .....	8,567	W	82	7	224	W	18.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	4,625	W	53	7	W	W	17.1
	Facility Lighting .....	3,211	--	--	--	--	--	1.4
	Facility Support .....	667	W	*	W	W	0	27.7
	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	35.7
	<b>End Use Not Reported</b> .....	1,615	W	W	3	8	W	26.7
<b>23</b>	<b>APPAREL and OTHER TEXTILE PRODUCTS</b>							
	<b>RSE Column Factors:</b>	1.3	0.8	1.7	0.9	1.6	0.4	
	<b>TOTAL INPUTS</b> .....	7,748	W	106	24	W	W	16.3
	<b>Indirect Uses-Boiler Fuel</b> .....	Q	27	50	9	Q	W	26.4
	<b>Direct Uses-Total Process</b> .....	3,336	W	W	6	Q	0	10.4
	Process Heating .....	223	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
	<b>Direct Uses-Total Nonprocess</b> .....	3,291	0	42	7	61	0	16.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	922	0	W	2	W	0	19.3

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>24</b>	<b>LUMBER and WOOD PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.8	1.4	1.5	0.8	1.1	0.7	
	<b>TOTAL INPUTS</b> .....	21,767	W	3,793	47	W	W	8.9
	<b>Indirect Uses-Boiler Fuel</b> .....	615	213	206	15	W	W	17.1
	<b>Direct Uses-Total Process</b> .....	16,816	19	1,828	23	370	0	11.2
	Process Heating .....	1,053	19	99	20	251	0	14.8
	Process Cooling and Refrigeration .....	107	0	0	*	W	0	23.6
	Machine Drive .....	15,482	0	1,459	1	104	0	12.9
	Electro-Chemical Processes .....	12	--	--	--	--	--	1.7
	Other Process Use .....	161	0	Q	Q	W	0	23.1
	<b>Direct Uses-Total Nonprocess</b> .....	2,700	W	1,370	7	544	0	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	986	W	Q	6	89	0	15.7
	Facility Lighting .....	1,402	--	--	--	--	--	1.3
	Facility Support .....	274	0	Q	*	1	0	23.8
	Onsite Transportation .....	18	--	1,140	*	454	--	4.5
	Conventional Electricity Generation .....	--	0	49	*	0	0	5.5
	Other Nonprocess Use .....	20	0	75	*	*	0	39.2
	<b>End Use Not Reported</b> .....	1,637	0	389	3	60	0	15.9
<b>2421</b>	<b>Sawmills and Planing Mills, General</b>							
	<b>RSE Column Factors:</b>	0.6	1.0	1.5	1.1	1.6	0.6	
	<b>TOTAL INPUTS</b> .....	7,902	W	1,206	11	W	0	12.6
	<b>Indirect Uses-Boiler Fuel</b> .....	315	10	48	5	W	0	26.6
	<b>Direct Uses-Total Process</b> .....	6,039	*	377	5	16	0	13.8
	Process Heating .....	389	*	62	5	4	0	18.7
	Process Cooling and Refrigeration .....	Q	0	0	*	W	0	80.3
	Machine Drive .....	5,616	0	315	*	12	0	13.8
	Electro-Chemical Processes .....	*	--	--	--	--	--	0.9
	Other Process Use .....	Q	0	0	0	W	0	31.1
	<b>Direct Uses-Total Nonprocess</b> .....	782	W	662	*	62	0	13.7
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	295	W	5	*	Q	0	22.0
	Facility Lighting .....	375	--	--	--	--	--	1.4
	Facility Support .....	96	0	Q	*	*	0	19.2
	Onsite Transportation .....	Q	--	638	0	46	--	3.5
	Conventional Electricity Generation .....	--	0	Q	0	0	0	1.6
	Other Nonprocess Use .....	Q	0	1	0	*	0	23.3
	<b>End Use Not Reported</b> .....	767	0	120	*	9	0	24.3
<b>2436</b>	<b>Softwood Veneer and Plywood</b>							
	<b>RSE Column Factors:</b>	1.7	0.4	1.8	1.5	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	2,881	Q	251	3	168	0	7.9
	<b>Indirect Uses-Boiler Fuel</b> .....	97	Q	Q	*	5	0	13.2
	<b>Direct Uses-Total Process</b> .....	2,351	0	40	2	28	0	11.9
	Process Heating .....	177	0	0	2	*	0	13.0
	Process Cooling and Refrigeration .....	11	0	0	0	0	0	7.6
	Machine Drive .....	2,160	0	W	0	W	0	12.9
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.8
	Other Process Use .....	W	0	W	0	W	0	12.3
	<b>Direct Uses-Total Nonprocess</b> .....	342	0	164	*	126	0	11.0
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	106	0	*	*	1	0	18.3
	Facility Lighting .....	203	--	--	--	--	--	1.6
	Facility Support .....	28	0	0	0	0	0	8.8
	Onsite Transportation .....	*	--	121	0	124	--	5.4
	Conventional Electricity Generation .....	--	0	42	0	0	0	3.5
	Other Nonprocess Use .....	4	0	1	0	0	0	13.5
	<b>End Use Not Reported</b> .....	91	0	7	*	9	0	19.3

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
2493	<b>Reconstituted Wood Products</b>							
	<b>RSE Column Factors:</b>	1.0	1.2	1.4	0.8	1.2	0.6	
	<b>TOTAL INPUTS</b> .....	4,592	W	W	17	W	W	13.1
	<b>Indirect Uses-Boiler Fuel</b> .....	130	171	22	5	W	W	18.2
	<b>Direct Uses-Total Process</b> .....	3,995	19	45	11	242	0	16.2
	Process Heating .....	245	19	Q	9	232	0	16.4
	Process Cooling and Refrigeration .....	34	0	0	0	0	0	17.5
	Machine Drive .....	3,555	0	23	1	8	0	18.6
	Electro-Chemical Processes .....	9	--	--	--	--	--	1.7
	Other Process Use .....	151	0	0	Q	Q	0	24.3
	<b>Direct Uses-Total Nonprocess</b> .....	393	W	57	1	81	0	15.0
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	142	W	0	1	10	0	19.8
	Facility Lighting .....	217	--	--	--	--	--	1.4
	Facility Support .....	W	0	*	*	*	0	25.3
	Onsite Transportation .....	W	--	56	0	71	--	4.7
	Conventional Electricity Generation .....	--	0	*	0	0	0	4.3
	Other Nonprocess Use .....	Q	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	74	0	W	1	3	0	36.6
25	<b>FURNITURE and FIXTURES</b>							
	<b>RSE Column Factors:</b>	0.8	1.1	1.3	0.7	1.1	1.2	
	<b>TOTAL INPUTS</b> .....	6,671	60	153	23	211	115	11.7
	<b>Indirect Uses-Boiler Fuel</b> .....	73	40	72	4	3	98	20.5
	<b>Direct Uses-Total Process</b> .....	4,018	14	Q	8	48	9	18.7
	Process Heating .....	246	12	2	8	25	8	23.8
	Process Cooling and Refrigeration .....	84	0	0	*	0	0	38.6
	Machine Drive .....	3,578	2	Q	*	23	1	25.8
	Electro-Chemical Processes .....	30	--	--	--	--	--	1.8
	Other Process Use .....	80	0	0	*	*	0	45.7
	<b>Direct Uses-Total Nonprocess</b> .....	2,068	Q	65	9	143	1	14.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	821	Q	44	9	17	1	19.3
	Facility Lighting .....	1,037	--	--	--	--	--	1.4
	Facility Support .....	192	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
	<b>End Use Not Reported</b> .....	512	Q	5	2	17	Q	30.2
2511	<b>Wood Furniture, Except Upholstered</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.2	1.0	1.4	1.0	
	<b>TOTAL INPUTS</b> .....	2,214	47	62	2	59	56	15.8
	<b>Indirect Uses-Boiler Fuel</b> .....	41	32	21	*	1	42	25.3
	<b>Direct Uses-Total Process</b> .....	1,608	14	2	*	7	8	33.1
	Process Heating .....	59	11	Q	*	6	6	37.3
	Process Cooling and Refrigeration .....	8	0	0	0	0	0	46.6
	Machine Drive .....	1,494	2	1	*	1	1	31.3
	Electro-Chemical Processes .....	Q	--	--	--	--	--	0.9
	Other Process Use .....	46	0	0	*	0	0	56.4
	<b>Direct Uses-Total Nonprocess</b> .....	423	2	34	1	48	1	23.0
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	130	2	Q	1	Q	1	28.6
	Facility Lighting .....	245	--	--	--	--	--	1.4
	Facility Support .....	47	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
	<b>End Use Not Reported</b> .....	141	0	4	*	3	Q	39.1

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
26	<b>PAPER and ALLIED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.2	0.7	1.4	1.3	
	<b>TOTAL INPUTS</b> .....	121,835	27,444	1,560	558	1,315	13,812	3.3
	<b>Indirect Uses-Boiler Fuel</b> .....	4,017	21,946	783	390	140	13,470	5.0
	<b>Direct Uses-Total Process</b> .....	103,909	5,023	W	112	420	W	6.3
	Process Heating .....	2,327	4,787	234	99	335	W	7.5
	Process Cooling and Refrigeration .....	1,672	0	0	1	0	0	11.8
	Machine Drive .....	97,678	236	88	10	81	W	12.5
	Electro-Chemical Processes .....	1,043	--	--	--	--	--	1.5
	Other Process Use .....	1,189	0	W	2	4	0	13.9
	<b>Direct Uses-Total Nonprocess</b> .....	10,514	251	415	49	681	W	6.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	4,642	W	83	16	W	W	11.6
	Facility Lighting .....	4,555	--	--	--	--	--	1.2
	Facility Support .....	1,149	W	2	1	12	0	16.5
	Onsite Transportation .....	79	--	326	*	626	--	2.5
	Conventional Electricity Generation .....	--	W	3	30	W	W	9.8
	Other Nonprocess Use .....	90	W	*	2	15	0	25.4
	<b>End Use Not Reported</b> .....	3,395	224	W	7	74	W	13.2
2611	<b>Pulp Mills</b>							
	<b>RSE Column Factors:</b>	1.2	0.7	1.2	1.0	1.2	0.7	
	<b>TOTAL INPUTS</b> .....	7,743	3,583	W	21	W	328	12.5
	<b>Indirect Uses-Boiler Fuel</b> .....	356	2,806	111	14	32	328	16.4
	<b>Direct Uses-Total Process</b> .....	6,637	692	32	7	27	0	12.8
	Process Heating .....	50	692	11	7	24	0	16.3
	Process Cooling and Refrigeration .....	153	0	0	0	0	0	12.3
	Machine Drive .....	6,249	0	21	*	3	0	18.1
	Electro-Chemical Processes .....	97	--	--	--	--	--	1.7
	Other Process Use .....	88	0	0	0	1	0	25.4
	<b>Direct Uses-Total Nonprocess</b> .....	750	0	32	1	10	0	12.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	407	0	3	1	0	0	20.1
	Facility Lighting .....	305	--	--	--	--	--	1.5
	Facility Support .....	35	0	0	*	1	0	20.9
	Onsite Transportation .....	0	--	30	0	8	--	3.6
	Conventional Electricity Generation .....	--	0	0	0	0	0	0.8
	Other Nonprocess Use .....	3	0	0	0	0	0	20.5
	<b>End Use Not Reported</b> .....	0	84	W	0	W	0	29.8
2621	<b>Paper Mills</b>							
	<b>RSE Column Factors:</b>	0.7	1.0	1.1	0.8	1.1	1.3	
	<b>TOTAL INPUTS</b> .....	65,978	14,942	744	263	465	8,783	5.0
	<b>Indirect Uses-Boiler Fuel</b> .....	1,784	12,130	337	189	W	W	7.7
	<b>Direct Uses-Total Process</b> .....	57,704	2,740	208	47	192	W	9.6
	Process Heating .....	633	2,661	152	43	186	W	11.4
	Process Cooling and Refrigeration .....	750	0	0	*	0	0	20.4
	Machine Drive .....	55,027	80	55	W	6	W	13.8
	Electro-Chemical Processes .....	677	--	--	--	--	--	1.6
	Other Process Use .....	616	0	1	W	0	0	23.8
	<b>Direct Uses-Total Nonprocess</b> .....	4,535	W	189	25	195	W	8.6
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	1,979	W	W	3	4	W	10.8
	Facility Lighting .....	1,906	--	--	--	--	--	1.3
	Facility Support .....	555	W	*	*	*	0	17.4
	Onsite Transportation .....	27	--	184	0	189	--	3.3
	Conventional Electricity Generation .....	--	W	W	22	0	W	10.6
	Other Nonprocess Use .....	67	W	*	*	2	0	25.8
	<b>End Use Not Reported</b> .....	1,955	W	10	2	W	0	17.7

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
2631	<b>Paperboard Mills</b>							
	<b>RSE Column Factors:</b>	0.8	1.0	1.2	0.9	1.0	1.2	
	<b>TOTAL INPUTS</b> .....	32,643	7,914	W	194	W	4,552	2.6
	<b>Indirect Uses-Boiler Fuel</b> .....	1,678	6,215	181	145	W	W	4.7
	<b>Direct Uses-Total Process</b> .....	28,251	1,425	W	35	22	W	5.0
	Process Heating .....	573	W	*	30	18	W	6.8
	Process Cooling and Refrigeration .....	240	0	0	W	0	0	8.6
	Machine Drive .....	26,767	W	W	W	W	0	7.6
	Electro-Chemical Processes .....	222	--	--	--	--	--	1.5
	Other Process Use .....	449	0	W	0	W	0	11.8
	<b>Direct Uses-Total Nonprocess</b> .....	1,814	W	107	11	84	W	6.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	704	W	W	W	1	0	7.7
	Facility Lighting .....	883	--	--	--	--	--	1.2
	Facility Support .....	222	0	W	*	0	0	9.2
	Onsite Transportation .....	W	--	105	0	83	--	2.7
	Conventional Electricity Generation .....	--	W	W	8	0	W	7.7
	Other Nonprocess Use .....	W	0	*	W	0	0	13.1
	<b>End Use Not Reported</b> .....	899	W	W	2	W	W	9.8
27	<b>PRINTING and PUBLISHING</b>							
	<b>RSE Column Factors:</b>	0.7	1.2	1.8	0.9	1.7	0.4	
	<b>TOTAL INPUTS</b> .....	17,422	W	261	46	W	0	7.8
	<b>Indirect Uses-Boiler Fuel</b> .....	69	33	101	10	W	0	14.0
	<b>Direct Uses-Total Process</b> .....	9,111	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 .....	7,858	0	*	1	26	0	13.0
	Electro-Chemical Processes .....	51	--	--	--	--	--	1.6
	Other Process Use .....	28	W	*	*	3	0	28.7
	<b>Direct Uses-Total Nonprocess</b> .....	6,519	W	133	15	205	0	11.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	3,455	W	93	13	87	0	11.4
	Facility Lighting .....	2,195	--	--	--	--	--	1.3
	Facility Support .....	790	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
	<b>End Use Not Reported</b> .....	1,723	0	24	5	17	0	16.8
28	<b>CHEMICALS and ALLIED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.2	1.0	0.8	1.6	1.0	
	<b>TOTAL INPUTS</b> .....	199,284	9,567	2,201	1,840	W	11,597	5.9
	<b>Indirect Uses-Boiler Fuel</b> .....	2,646	5,944	1,264	904	402	11,050	9.2
	<b>Direct Uses-Total Process</b> .....	178,483	2,845	W	686	412	453	8.5
	Process Heating .....	6,565	2,835	259	619	336	W	9.5
	Process Cooling and Refrigeration .....	12,698	*	2	10	W	*	23.6
	Machine Drive .....	122,820	*	97	38	Q	W	16.0
	Electro-Chemical Processes .....	35,644	--	--	--	--	--	1.3
	Other Process Use .....	756	Q	W	19	W	0	20.0
	<b>Direct Uses-Total Nonprocess</b> .....	15,232	W	497	223	252	W	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	7,538	W	67	16	44	24	15.7
	Facility Lighting .....	5,750	--	--	--	--	--	1.2
	Facility Support .....	1,614	W	Q	3	W	0	11.2
	Onsite Transportation .....	65	--	307	*	192	--	4.8
	Conventional Electricity Generation .....	--	W	19	201	W	W	13.7
	Other Nonprocess Use .....	265	W	72	3	*	0	19.0
	<b>End Use Not Reported</b> .....	2,923	W	W	26	W	W	15.4

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>2812</b>	<b>Alkalies and Chlorine</b>							
	<b>RSE Column Factors:</b>	0.9	1.0	1.1	1.0	1.2	0.8	
	<b>TOTAL INPUTS</b> .....	17,556	W	51	52	1	W	8.3
	<b>Indirect Uses-Boiler Fuel</b> .....	W	W	41	W	*	W	10.9
	<b>Direct Uses-Total Process</b> .....	17,347	0	W	2	*	0	7.8
	Process Heating .....	W	0	W	W	0	0	9.8
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	8.0
	Machine Drive .....	1,669	0	W	*	*	0	9.3
	Electro-Chemical Processes .....	15,416	--	--	--	--	--	1.3
	Other Process Use .....	W	0	0	W	0	0	14.9
	<b>Direct Uses-Total Nonprocess</b> .....	W	W	W	W	1	0	8.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	53	W	0	W	0	0	8.7
	Facility Lighting .....	126	--	--	--	--	--	1.3
	Facility Support .....	W	0	0	W	0	0	12.6
	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
	<b>End Use Not Reported</b> .....	0	0	*	0	*	0	12.1
<b>2813</b>	<b>Industrial Gases</b>							
	<b>RSE Column Factors:</b>	0.7	0.9	1.0	1.5	1.4	0.9	
	<b>TOTAL INPUTS</b> .....	24,038	0	W	18	W	0	16.1
	<b>Indirect Uses-Boiler Fuel</b> .....	854	0	1	6	*	0	36.3
	<b>Direct Uses-Total Process</b> .....	22,204	0	0	9	1	0	18.3
	Process Heating .....	461	0	0	9	1	0	28.0
	Process Cooling and Refrigeration .....	732	0	0	0	0	0	24.6
	Machine Drive .....	21,001	0	0	*	0	0	14.2
	Electro-Chemical Processes .....	0	--	--	--	--	--	0.9
	Other Process Use .....	9	0	0	*	0	0	75.3
	<b>Direct Uses-Total Nonprocess</b> .....	665	0	W	3	*	0	20.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	409	0	0	*	*	0	20.6
	Facility Lighting .....	187	--	--	--	--	--	1.4
	Facility Support .....	69	0	0	*	0	0	21.2
	Onsite Transportation .....	0	--	W	0	0	--	1.2
	Conventional Electricity Generation .....	--	0	0	2	0	0	6.6
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	315	0	0	0	W	0	56.8
<b>2816</b>	<b>Inorganic Pigments</b>							
	<b>RSE Column Factors:</b>	1.4	0.7	1.2	0.8	1.2	0.9	
	<b>TOTAL INPUTS</b> .....	2,393	W	W	W	W	W	9.3
	<b>Indirect Uses-Boiler Fuel</b> .....	5	W	21	10	*	W	11.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	117	0	17	*	5	0	7.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	5	0	W	W	*	0	16.6

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>2819</b>	<b>Industrial Inorganic Chemicals, nec.</b>							
	<b>RSE Column Factors:</b>	1.2	0.8	1.3	0.8	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	45,315	588	W	W	W	1,451	11.3
	<b>Indirect Uses-Boiler Fuel</b> .....	189	168	110	71	11	1,165	13.4
	<b>Direct Uses-Total Process</b> .....	43,581	405	63	61	16	W	14.0
	Process Heating .....	2,126	405	32	60	13	W	13.0
	Process Cooling and Refrigeration .....	394	0	0	0	0	0	7.4
	Machine Drive .....	36,838	0	29	Q	4	0	25.2
	Electro-Chemical Processes .....	4,223	--	--	--	--	--	1.5
	Other Process Use .....	0	0	1	*	0	0	19.5
	<b>Direct Uses-Total Nonprocess</b> .....	1,513	Q	83	4	14	W	11.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	715	Q	12	2	3	W	15.9
	Facility Lighting .....	553	--	--	--	--	--	1.5
	Facility Support .....	223	0	W	*	*	0	16.7
	Onsite Transportation .....	10	--	W	0	11	--	5.4
	Conventional Electricity Generation .....	--	0	4	2	0	0	6.8
	Other Nonprocess Use .....	Q	0	*	0	0	0	19.5
	<b>End Use Not Reported</b> .....	33	5	W	W	W	0	31.3
<b>2821</b>	<b>Plastics Materials and Resins</b>							
	<b>RSE Column Factors:</b>	0.8	0.9	1.2	1.0	1.7	0.7	
	<b>TOTAL INPUTS</b> .....	21,060	542	186	W	W	875	9.3
	<b>Indirect Uses-Boiler Fuel</b> .....	306	W	97	112	8	875	10.9
	<b>Direct Uses-Total Process</b> .....	17,859	W	W	51	W	0	13.3
	Process Heating .....	W	W	19	37	W	0	17.0
	Process Cooling and Refrigeration .....	1,617	0	0	*	W	0	9.7
	Machine Drive .....	12,050	0	W	6	W	0	10.9
	Electro-Chemical Processes .....	3,279	--	--	--	--	--	1.5
	Other Process Use .....	W	*	*	8	W	0	21.3
	<b>Direct Uses-Total Nonprocess</b> .....	1,606	*	44	19	43	0	11.6
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	768	0	*	1	Q	0	13.1
	Facility Lighting .....	626	--	--	--	--	--	1.3
	Facility Support .....	204	0	W	W	1	0	11.9
	Onsite Transportation .....	W	--	W	0	26	--	4.1
	Conventional Electricity Generation .....	--	0	W	W	0	0	6.0
	Other Nonprocess Use .....	W	*	W	*	0	0	22.2
	<b>End Use Not Reported</b> .....	1,289	0	W	W	W	0	24.9
<b>2822</b>	<b>Synthetic Rubber</b>							
	<b>RSE Column Factors:</b>	1.0	0.6	1.3	1.3	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	2,436	W	15	41	W	W	20.7
	<b>Indirect Uses-Boiler Fuel</b> .....	17	W	8	23	0	W	28.1
	<b>Direct Uses-Total Process</b> .....	2,098	0	W	17	0	0	18.2
	Process Heating .....	17	0	0	15	0	0	21.3
	Process Cooling and Refrigeration .....	377	0	0	*	0	0	22.7
	Machine Drive .....	1,698	0	W	*	0	0	19.9
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	6	0	0	2	0	0	33.6
	<b>Direct Uses-Total Nonprocess</b> .....	272	0	3	*	W	0	15.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	140	0	0	*	W	0	18.6
	Facility Lighting .....	89	--	--	--	--	--	1.6
	Facility Support .....	43	0	1	*	0	0	22.9
	Onsite Transportation .....	1	--	2	0	4	--	7.3
	Conventional Electricity Generation .....	--	0	0	*	0	0	5.7
	Other Nonprocess Use .....	0	0	*	*	0	0	33.3
	<b>End Use Not Reported</b> .....	49	0	W	*	0	0	20.8

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>2823</b>	<b>Cellulosic Manmade Fibers</b>							
	<b>RSE Column Factors:</b>	1.0	1.0	1.0	1.0	1.0	1.0	
	<b>TOTAL INPUTS</b> .....	898	0	23	W	W	W	1.0
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	W	W	0	W	1.0
	<b>Direct Uses-Total Process</b> .....	688	0	W	W	*	0	1.0
	Process Heating .....	W	0	W	W	*	0	1.0
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	1.0
	Machine Drive .....	559	0	*	0	0	0	1.0
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	*	*	W	0	1.0
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	136	0	0	*	0	0	1.0
	Facility Lighting .....	52	--	--	--	--	--	1.0
	Facility Support .....	15	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
	<b>End Use Not Reported</b> .....	*	0	0	0	0	0	1.0
<b>2824</b>	<b>Organic Fibers, Noncellulosic</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.4	1.3	1.2	0.6	
	<b>TOTAL INPUTS</b> .....	8,599	1,435	88	W	W	1,577	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	113	W	65	31	W	1,577	7.9
	<b>Direct Uses-Total Process</b> .....	7,187	W	W	W	15	0	8.1
	Process Heating .....	W	W	W	W	15	0	8.2
	Process Cooling and Refrigeration .....	902	0	0	W	0	0	8.9
	Machine Drive .....	4,942	0	W	*	0	0	9.0
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.6
	Other Process Use .....	69	0	0	0	0	0	14.3
	<b>Direct Uses-Total Nonprocess</b> .....	1,258	0	8	W	24	0	4.7
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	622	0	W	W	W	0	7.7
	Facility Lighting .....	468	--	--	--	--	--	1.3
	Facility Support .....	W	0	0	*	W	0	10.5
	Onsite Transportation .....	3	--	W	*	W	--	4.7
	Conventional Electricity Generation .....	--	0	W	0	0	0	3.7
	Other Nonprocess Use .....	W	0	W	0	*	0	14.2
	<b>End Use Not Reported</b> .....	42	0	W	W	W	0	11.2
<b>2861</b>	<b>Gum and Wood Chemicals</b>							
	<b>RSE Column Factors:</b>	1.2	1.0	1.2	1.2	1.1	0.6	
	<b>TOTAL INPUTS</b> .....	211	*	W	4	W	0	6.9
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	W	W	W	0	8.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	W	*	W	0	6.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	21	0	W	W	W	0	7.6

See footnotes at end of table.



**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>2865</b>	<b>Cyclic Crudes and Intermediates</b>							
	<b>RSE Column Factors:</b>	1.3	0.8	1.2	1.2	1.2	0.6	
	<b>TOTAL INPUTS</b> .....	5,607	W	204	95	279	W	19.8
	<b>Indirect Uses-Boiler Fuel</b> .....	358	W	178	64	Q	W	21.7
	<b>Direct Uses-Total Process</b> .....	4,656	*	W	25	Q	0	17.3
	Process Heating .....	674	*	6	25	Q	0	22.2
	Process Cooling and Refrigeration .....	1,041	0	0	W	0	0	22.5
	Machine Drive .....	2,861	0	W	W	*	0	16.4
	Electro-Chemical Processes .....	58	--	--	--	--	--	1.8
	Other Process Use .....	21	0	*	0	0	0	25.8
	<b>Direct Uses-Total Nonprocess</b> .....	535	0	5	5	11	0	17.7
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	325	0	0	*	W	0	23.0
	Facility Lighting .....	176	--	--	--	--	--	1.6
	Facility Support .....	34	0	*	*	W	0	20.8
	Onsite Transportation .....	1	--	4	*	11	--	8.8
	Conventional Electricity Generation .....	--	0	0	4	0	0	4.6
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	58	W	W	2	*	0	31.0
<b>2869</b>	<b>Industrial Organic Chemicals, nec.</b>							
	<b>RSE Column Factors:</b>	0.9	0.9	1.3	1.0	1.4	0.7	
	<b>TOTAL INPUTS</b> .....	44,380	795	317	813	265	4,178	10.2
	<b>Indirect Uses-Boiler Fuel</b> .....	323	W	166	376	71	W	13.6
	<b>Direct Uses-Total Process</b> .....	40,730	134	W	277	176	0	12.8
	Process Heating .....	W	134	W	242	W	0	16.4
	Process Cooling and Refrigeration .....	4,549	0	W	4	W	0	17.7
	Machine Drive .....	24,172	0	6	28	0	0	11.4
	Electro-Chemical Processes .....	11,042	--	--	--	--	--	1.5
	Other Process Use .....	W	0	*	4	0	0	32.8
	<b>Direct Uses-Total Nonprocess</b> .....	2,820	W	96	149	12	0	15.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	1,265	W	W	3	W	0	12.9
	Facility Lighting .....	1,183	--	--	--	--	--	1.4
	Facility Support .....	309	0	Q	W	W	0	10.7
	Onsite Transportation .....	13	--	W	0	11	--	5.3
	Conventional Electricity Generation .....	--	0	*	143	W	0	8.5
	Other Nonprocess Use .....	50	0	W	W	0	0	24.4
	<b>End Use Not Reported</b> .....	507	W	W	11	7	W	17.5
<b>2873</b>	<b>Nitrogenous Fertilizers</b>							
	<b>RSE Column Factors:</b>	1.5	0.4	1.5	1.4	1.7	0.4	
	<b>TOTAL INPUTS</b> .....	4,505	0	29	260	4	0	6.7
	<b>Indirect Uses-Boiler Fuel</b> .....	45	0	10	70	0	0	11.2
	<b>Direct Uses-Total Process</b> .....	4,091	0	6	180	2	0	9.9
	Process Heating .....	215	0	5	171	*	0	14.4
	Process Cooling and Refrigeration .....	388	0	0	5	0	0	14.2
	Machine Drive .....	3,338	0	1	2	1	0	13.6
	Electro-Chemical Processes .....	150	--	--	--	--	--	1.8
	Other Process Use .....	*	0	0	2	0	0	23.2
	<b>Direct Uses-Total Nonprocess</b> .....	344	0	11	2	2	0	10.5
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	158	0	*	*	1	0	14.6
	Facility Lighting .....	139	--	--	--	--	--	1.6
	Facility Support .....	47	0	2	*	*	0	19.3
	Onsite Transportation .....	0	--	9	0	1	--	4.4
	Conventional Electricity Generation .....	--	0	*	2	*	0	8.8
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	25	0	3	8	*	0	18.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>2874</b>	<b>Phosphatic Fertilizers</b>							
	<b>RSE Column Factors:</b>	1.1	0.8	1.1	1.0	1.3	0.8	
	<b>TOTAL INPUTS</b> .....	4,095	W	117	W	3	W	5.1
	<b>Indirect Uses-Boiler Fuel</b> .....	W	W	W	2	0	0	6.7
	<b>Direct Uses-Total Process</b> .....	3,616	W	32	7	W	W	5.3
	Process Heating .....	W	W	W	7	W	W	6.5
	Process Cooling and Refrigeration .....	W	0	0	*	0	0	7.4
	Machine Drive .....	3,368	0	W	*	0	0	7.0
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.4
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	60	W	W	0	4.6
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	120	0	*	W	1	0	5.8
	Facility Lighting .....	125	--	--	--	--	--	1.3
	Facility Support .....	60	0	*	0	*	0	6.3
	Onsite Transportation .....	W	--	W	0	W	--	3.1
	Conventional Electricity Generation .....	--	0	0	0	0	0	0.9
	Other Nonprocess Use .....	0	0	W	0	0	0	9.4
	<b>End Use Not Reported</b> .....	109	0	W	0	0	0	8.1
<b>2895</b>	<b>Carbon Black</b>							
	<b>RSE Column Factors:</b>	0.9	1.0	1.3	1.1	1.7	0.5	
	<b>TOTAL INPUTS</b> .....	571	W	W	17	W	0	10.7
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	0	6	0	0	13.7
	<b>Direct Uses-Total Process</b> .....	491	W	W	10	0	0	12.5
	Process Heating .....	W	W	0	10	0	0	16.3
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	15.1
	Machine Drive .....	484	0	W	*	0	0	12.6
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	W	W	3	W	W	0	13.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	20	0	*	W	0	0	13.6
	Facility Lighting .....	42	--	--	--	--	--	1.6
	Facility Support .....	W	W	0	W	0	0	18.3
	Onsite Transportation .....	0	--	3	*	W	--	6.0
	Conventional Electricity Generation .....	--	0	0	W	0	0	4.4
	Other Nonprocess Use .....	0	0	*	0	0	0	20.0
	<b>End Use Not Reported</b> .....	0	0	0	W	0	0	23.2
<b>29</b>	<b>PETROLEUM and COAL PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	0.9	1.6	0.7	1.0	1.5	
	<b>TOTAL INPUTS</b> .....	49,990	11,378	3,652	W	11,719	W	6.4
	<b>Indirect Uses-Boiler Fuel</b> .....	817	5,917	372	247	2,415	W	8.7
	<b>Direct Uses-Total Process</b> .....	43,914	4,559	2,715	455	8,606	273	7.2
	Process Heating .....	1,136	4,555	2,432	437	8,008	273	8.8
	Process Cooling and Refrigeration .....	2,651	1	1	W	W	0	21.7
	Machine Drive .....	40,007	3	W	12	168	0	15.3
	Electro-Chemical Processes .....	33	--	--	--	--	--	1.5
	Other Process Use .....	86	0	W	W	W	0	15.1
	<b>Direct Uses-Total Nonprocess</b> .....	3,460	Q	291	78	205	0	10.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	1,658	W	5	5	W	0	13.6
	Facility Lighting .....	1,372	--	--	--	--	--	1.3
	Facility Support .....	401	W	4	1	W	0	15.7
	Onsite Transportation .....	17	--	271	0	W	--	5.2
	Conventional Electricity Generation .....	--	0	Q	72	W	0	6.7
	Other Nonprocess Use .....	12	0	Q	*	W	0	24.0
	<b>End Use Not Reported</b> .....	1,799	899	274	W	493	0	18.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>2911</b>	<b>Petroleum Refining</b>							
	<b>RSE Column Factors:</b>	0.8	0.9	1.3	0.9	1.3	0.8	
	<b>TOTAL INPUTS</b> .....	47,194	10,891	1,159	734	W	W	5.7
	<b>Indirect Uses-Boiler Fuel</b> .....	752	5,580	178	236	2,303	W	7.3
	<b>Direct Uses-Total Process</b> .....	41,749	4,452	896	417	8,321	0	5.3
	Process Heating .....	835	4,452	834	402	7,724	0	6.9
	Process Cooling and Refrigeration .....	2,595	0	0	W	W	0	11.8
	Machine Drive .....	38,210	0	W	10	167	0	7.4
	Electro-Chemical Processes .....	29	--	--	--	--	--	1.5
	Other Process Use .....	80	0	W	W	W	0	12.6
	<b>Direct Uses-Total Nonprocess</b> .....	3,041	W	46	W	W	0	8.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	W	0	0	W	W	0	7.2
	Facility Lighting .....	1,204	--	--	--	--	--	1.3
	Facility Support .....	326	W	W	1	W	0	12.4
	Onsite Transportation .....	17	--	44	0	W	--	4.3
	Conventional Electricity Generation .....	--	0	*	71	W	0	6.1
	Other Nonprocess Use .....	W	0	W	*	W	0	17.4
	<b>End Use Not Reported</b> .....	1,652	W	38	W	W	0	15.0
<b>30</b>	<b>RUBBER and MISC. PLASTICS PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.6	1.0	1.2	0.7	
	<b>TOTAL INPUTS</b> .....	43,865	1,600	540	107	824	219	7.2
	<b>Indirect Uses-Boiler Fuel</b> .....	240	1,303	306	55	29	218	11.6
	<b>Direct Uses-Total Process</b> .....	33,406	212	Q	25	194	0	10.3
	Process Heating .....	7,189	117	Q	22	144	0	12.8
	Process Cooling and Refrigeration .....	3,062	0	*	*	W	0	17.4
	Machine Drive .....	22,852	96	17	1	47	0	18.9
	Electro-Chemical Processes .....	98	--	--	--	--	--	1.7
	Other Process Use .....	206	0	Q	1	W	0	34.1
	<b>Direct Uses-Total Nonprocess</b> .....	8,082	43	127	21	557	Q	9.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	3,713	43	50	20	79	W	14.0
	Facility Lighting .....	3,363	--	--	--	--	--	1.3
	Facility Support .....	866	*	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
	<b>End Use Not Reported</b> .....	2,137	42	31	6	44	0	20.9
<b>3011</b>	<b>Tires and Inner Tubes</b>							
	<b>RSE Column Factors:</b>	0.8	0.8	1.3	1.2	1.2	1.0	
	<b>TOTAL INPUTS</b> .....	4,664	720	115	22	95	81	10.3
	<b>Indirect Uses-Boiler Fuel</b> .....	38	W	W	20	*	80	13.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	1,033	W	W	1	W	Q	9.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	183	W	W	1	W	0	11.4

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>308</b>	<b>Miscellaneous Plastics Products, nec.</b>							
	<b>RSE Column Factors:</b>	0.7	1.1	1.4	1.0	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	34,071	497	262	62	632	82	10.9
	<b>Indirect Uses-Boiler Fuel</b> .....	143	285	110	24	12	82	18.1
	<b>Direct Uses-Total Process</b> .....	26,326	168	W	18	161	0	12.1
	Process Heating .....	6,292	Q	Q	17	120	0	10.7
	Process Cooling and Refrigeration .....	2,581	0	*	*	W	0	20.0
	Machine Drive .....	17,163	95	W	1	38	0	20.5
	Electro-Chemical Processes .....	92	--	--	--	--	--	1.8
	Other Process Use .....	198	0	*	1	W	0	34.9
	<b>Direct Uses-Total Nonprocess</b> .....	5,893	W	W	16	W	0	11.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	2,712	W	25	14	W	0	15.6
	Facility Lighting .....	2,399	--	--	--	--	--	1.3
	Facility Support .....	685	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
	<b>End Use Not Reported</b> .....	1,708	W	24	4	W	0	27.9
<b>31</b>	<b>LEATHER and LEATHER PRODUCTS</b>							
	<b>RSE Column Factors:</b>	1.0	0.7	1.8	0.9	1.7	0.5	
	<b>TOTAL INPUTS</b> .....	834	250	W	W	W	0	15.0
	<b>Indirect Uses-Boiler Fuel</b> .....	13	246	20	2	W	0	25.2
	<b>Direct Uses-Total Process</b> .....	539	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 .....	490	0	0	*	*	0	18.1
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	*	0	Q	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	206	Q	5	W	14	0	17.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	76	Q	W	W	Q	0	40.0
<b>32</b>	<b>STONE, CLAY and GLASS PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.7	1.0	1.4	0.8	1.6	0.8	
	<b>TOTAL INPUTS</b> .....	36,386	1,187	3,917	419	1,057	12,423	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	186	112	205	19	37	11	24.1
	<b>Direct Uses-Total Process</b> .....	30,875	1,069	1,453	369	608	11,933	7.7
	Process Heating .....	8,478	1,064	782	358	553	11,929	8.5
	Process Cooling and Refrigeration .....	848	0	*	1	W	0	21.6
	Machine Drive .....	21,457	Q	659	8	54	4	19.1
	Electro-Chemical Processes .....	82	--	--	--	--	--	1.9
	Other Process Use .....	10	0	11	1	W	0	19.9
	<b>Direct Uses-Total Nonprocess</b> .....	4,210	Q	1,951	21	362	Q	7.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	1,680	Q	55	18	73	Q	11.7
	Facility Lighting .....	1,977	--	--	--	--	--	1.3
	Facility Support .....	476	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	33.4
	<b>End Use Not Reported</b> .....	1,115	Q	307	10	50	473	23.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
3211	<b>Flat Glass</b>							
	<b>RSE Column Factors:</b>	0.9	1.1	1.5	0.9	1.5	0.5	
	<b>TOTAL INPUTS</b> .....	1,469	244	11	44	20	0	15.0
	<b>Indirect Uses-Boiler Fuel</b> .....	8	0	*	1	0	0	30.8
	<b>Direct Uses-Total Process</b> .....	1,259	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
	<b>Direct Uses-Total Nonprocess</b> .....	203	0	5	1	10	0	12.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	*	0	0	0	1	0	33.7
3221	<b>Glass Containers</b>							
	<b>RSE Column Factors:</b>	1.2	0.9	1.7	0.8	1.4	0.5	
	<b>TOTAL INPUTS</b> .....	4,268	336	75	64	98	0	5.8
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	W	*	0	0	12.3
	<b>Direct Uses-Total Process</b> .....	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	8.3
	Machine Drive .....	2,233	0	*	*	W	0	11.1
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.7
	Other Process Use .....	W	0	0	0	0	0	19.8
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	W	3	W	0	5.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	144	0	W	2	W	0	8.9
	Facility Lighting .....	303	--	--	--	--	--	1.3
	Facility Support .....	W	0	*	1	0	0	7.7
	Onsite Transportation .....	W	--	W	0	44	--	4.4
	Conventional Electricity Generation .....	--	0	0	0	0	0	0.8
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	0	0	*	0	W	0	14.4
3229	<b>Pressed and Blown Glass, nec.</b>							
	<b>RSE Column Factors:</b>	1.2	1.0	1.5	0.9	1.3	0.5	
	<b>TOTAL INPUTS</b> .....	3,235	W	57	49	W	0	8.5
	<b>Indirect Uses-Boiler Fuel</b> .....	4	W	W	2	*	0	14.7
	<b>Direct Uses-Total Process</b> .....	2,685	W	W	45	19	0	10.2
	Process Heating .....	1,041	W	W	43	W	0	11.1
	Process Cooling and Refrigeration .....	231	0	0	0	0	0	5.8
	Machine Drive .....	1,390	0	*	2	W	0	10.3
	Electro-Chemical Processes .....	23	--	--	--	--	--	1.7
	Other Process Use .....	0	0	W	0	*	0	13.6
	<b>Direct Uses-Total Nonprocess</b> .....	546	0	13	2	W	0	6.5
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	0	0	*	0	*	0	13.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
3241	<b>Cement, Hydraulic</b>							
	<b>RSE Column Factors:</b>	0.8	1.0	1.4	1.2	1.3	0.6	
	<b>TOTAL INPUTS</b> .....	11,057	158	820	24	9	9,174	11.7
	<b>Indirect Uses-Boiler Fuel</b> .....	17	0	13	1	0	0	33.5
	<b>Direct Uses-Total Process</b> .....	10,024	158	357	21	3	8,885	15.1
	Process Heating .....	744	158	317	21	2	8,881	18.5
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	23.7
	Machine Drive .....	9,147	0	39	*	1	4	22.2
	Electro-Chemical Processes .....	0	--	--	--	--	--	0.9
	Other Process Use .....	W	0	0	0	0	0	55.2
	<b>Direct Uses-Total Nonprocess</b> .....	495	0	389	1	5	0	10.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	201	0	W	1	2	0	16.0
	Facility Lighting .....	225	--	--	--	--	--	1.4
	Facility Support .....	68	0	W	*	*	0	21.9
	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
	<b>End Use Not Reported</b> .....	520	0	62	1	1	290	28.1
3274	<b>Lime</b>							
	<b>RSE Column Factors:</b>	1.1	1.2	0.9	0.9	1.5	0.6	
	<b>TOTAL INPUTS</b> .....	1,151	105	251	12	5	2,980	18.3
	<b>Indirect Uses-Boiler Fuel</b> .....	0	0	*	0	0	0	53.4
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	93	0	148	*	2	0	21.5
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	55	Q	15	1	*	171	34.9
3296	<b>Mineral Wool</b>							
	<b>RSE Column Factors:</b>	1.0	0.8	2.0	0.8	1.3	0.5	
	<b>TOTAL INPUTS</b> .....	3,401	W	9	36	W	0	9.9
	<b>Indirect Uses-Boiler Fuel</b> .....	13	W	*	1	*	0	19.1
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	246	0	W	1	W	0	8.7
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	0	0	*	0	*	0	11.6

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>33</b>	<b>PRIMARY METAL INDUSTRIES</b>							
	<b>RSE Column Factors:</b>	0.5	1.4	1.1	0.8	1.5	1.0	
	<b>TOTAL INPUTS</b> .....	152,740	6,870	2,126	778	1,472	2,327	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	402	4,781	175	92	36	1,926	10.7
	<b>Direct Uses-Total Process</b> .....	138,639	2,054	W	609	772	W	9.6
	Process Heating .....	36,637	2,051	547	587	723	W	11.5
	Process Cooling and Refrigeration .....	1,265	0	0	*	0	0	19.1
	Machine Drive .....	44,828	3	W	3	42	0	11.6
	Electro-Chemical Processes .....	55,188	--	--	--	--	--	1.0
	Other Process Use .....	721	0	3	19	7	0	22.0
	<b>Direct Uses-Total Nonprocess</b> .....	11,686	35	1,271	56	612	W	5.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	4,702	W	93	46	89	*	13.4
	Facility Lighting .....	5,370	--	--	--	--	--	1.2
	Facility Support .....	1,289	2	4	W	12	0	15.2
	Onsite Transportation .....	160	--	W	*	507	--	5.6
	Conventional Electricity Generation .....	--	0	W	W	3	W	3.6
	Other Nonprocess Use .....	164	W	W	1	*	0	25.0
	<b>End Use Not Reported</b> .....	2,013	0	W	21	52	W	19.4
<b>331</b>	<b>Blast Furnace and Basic Steel Products</b>							
	<b>RSE Column Factors:</b>	0.7	1.0	1.1	0.7	1.4	1.4	
	<b>TOTAL INPUTS</b> .....	59,978	6,680	W	503	W	1,771	10.8
	<b>Indirect Uses-Boiler Fuel</b> .....	233	4,689	96	65	W	1,532	13.4
	<b>Direct Uses-Total Process</b> .....	53,961	1,983	124	405	109	W	13.8
	Process Heating .....	23,117	1,980	88	385	W	W	15.7
	Process Cooling and Refrigeration .....	561	0	0	*	0	0	23.8
	Machine Drive .....	28,253	3	33	2	6	0	16.4
	Electro-Chemical Processes .....	1,510	--	--	--	--	--	1.5
	Other Process Use .....	519	0	3	18	W	0	26.5
	<b>Direct Uses-Total Nonprocess</b> .....	5,330	8	642	28	198	*	14.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	1,934	W	49	22	11	*	16.6
	Facility Lighting .....	2,527	--	--	--	--	--	1.3
	Facility Support .....	640	*	*	4	7	0	17.2
	Onsite Transportation .....	84	--	593	*	Q	--	3.2
	Conventional Electricity Generation .....	--	0	*	*	*	0	13.9
	Other Nonprocess Use .....	145	W	0	1	*	0	26.4
	<b>End Use Not Reported</b> .....	454	0	W	4	7	W	20.4
<b>3312</b>	<b>Blast Furnaces and Steel Mills</b>							
	<b>RSE Column Factors:</b>	0.8	1.1	1.0	0.8	1.1	1.1	
	<b>TOTAL INPUTS</b> .....	50,228	6,659	W	462	W	1,598	8.1
	<b>Indirect Uses-Boiler Fuel</b> .....	176	4,669	91	58	1	1,520	13.9
	<b>Direct Uses-Total Process</b> .....	45,536	1,983	110	377	32	W	10.0
	Process Heating .....	18,418	1,980	88	357	W	W	10.9
	Process Cooling and Refrigeration .....	470	0	0	*	0	0	20.6
	Machine Drive .....	24,853	3	W	2	1	0	14.1
	Electro-Chemical Processes .....	1,284	--	--	--	--	--	1.6
	Other Process Use .....	512	0	W	18	W	0	25.7
	<b>Direct Uses-Total Nonprocess</b> .....	4,411	8	595	23	48	0	8.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	1,511	W	31	17	11	0	14.1
	Facility Lighting .....	2,113	--	--	--	--	--	1.3
	Facility Support .....	578	0	0	4	5	0	14.6
	Onsite Transportation .....	76	--	564	0	32	--	3.8
	Conventional Electricity Generation .....	--	0	0	*	*	0	10.1
	Other Nonprocess Use .....	133	W	0	1	*	0	24.7
	<b>End Use Not Reported</b> .....	105	0	W	3	W	W	23.9

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
3313	<b>Electrometallurgical Products</b>							
	<b>RSE Column Factors:</b>	2.7	0.4	1.5	1.2	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	4,796	0	21	2	5	Q	19.4
	<b>Indirect Uses-Boiler Fuel</b> .....	0	0	0	*	0	0	0.0
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	161	0	12	*	4	0	20.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	Q	0	0	*	*	0	0.0
3321	<b>Gray and Ductile Iron Foundries</b>							
	<b>RSE Column Factors:</b>	1.1	0.9	1.4	0.7	1.2	0.9	
	<b>TOTAL INPUTS</b> .....	8,823	Q	113	32	141	5	11.3
	<b>Indirect Uses-Boiler Fuel</b> .....	38	0	Q	2	W	0	31.8
	<b>Direct Uses-Total Process</b> .....	7,161	*	28	20	56	5	16.9
	Process Heating .....	4,295	*	18	20	W	5	18.2
	Process Cooling and Refrigeration .....	35	0	0	0	0	0	16.6
	Machine Drive .....	2,820	*	9	*	W	0	26.9
	Electro-Chemical Processes .....	8	--	--	--	--	--	1.8
	Other Process Use .....	Q	0	*	*	W	0	35.2
	<b>Direct Uses-Total Nonprocess</b> .....	1,286	Q	W	9	68	0	10.5
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	595	Q	4	8	15	0	19.5
	Facility Lighting .....	542	--	--	--	--	--	1.5
	Facility Support .....	W	0	1	*	1	0	20.9
	Onsite Transportation .....	W	--	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
	<b>End Use Not Reported</b> .....	339	0	W	Q	W	0	34.6
3331	<b>Primary Copper</b>							
	<b>RSE Column Factors:</b>	1.0	1.0	1.0	1.0	1.0	1.0	
	<b>TOTAL INPUTS</b> .....	2,207	W	W	21	W	W	1.0
	<b>Indirect Uses-Boiler Fuel</b> .....	0	0	0	8	0	W	1.0
	<b>Direct Uses-Total Process</b> .....	1,944	W	W	11	0	W	1.0
	Process Heating .....	207	W	W	11	0	W	1.0
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	1.0
	Machine Drive .....	1,110	0	W	0	0	0	1.0
	Electro-Chemical Processes .....	391	--	--	--	--	--	1.0
	Other Process Use .....	W	0	0	*	0	0	1.0
	<b>Direct Uses-Total Nonprocess</b> .....	263	0	W	3	W	W	1.0
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	112	0	0	W	0	0	1.0
	Facility Lighting .....	108	--	--	--	--	--	1.0
	Facility Support .....	43	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
	<b>End Use Not Reported</b> .....	*	0	W	0	0	0	1.0

See footnotes at end of table.



**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
3334	Primary Aluminum							
	RSE Column Factors:	0.9	0.9	1.0	1.5	0.9	0.9	
	<b>TOTAL INPUTS</b> .....	W	W	125	16	W	0	1.6
	<b>Indirect Uses-Boiler Fuel</b> .....	W	W	W	W	W	0	1.0
	<b>Direct Uses-Total Process</b> .....	52,260	0	W	14	27	0	1.5
	Process Heating .....	207	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
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	98	1	W	0	1.1
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	*	0	0	W	*	0	0.9
3339	Primary Nonferrous Metals, nec.							
	RSE Column Factors:	1.4	0.7	1.2	1.1	1.2	0.7	
	<b>TOTAL INPUTS</b> .....	5,073	W	W	12	17	361	14.6
	<b>Indirect Uses-Boiler Fuel</b> .....	3	W	10	W	*	361	23.6
	<b>Direct Uses-Total Process</b> .....	4,472	0	21	9	9	0	11.5
	Process Heating .....	1,689	0	W	9	9	0	13.4
	Process Cooling and Refrigeration .....	67	0	0	0	0	0	13.5
	Machine Drive .....	594	0	W	*	*	0	14.8
	Electro-Chemical Processes .....	2,122	--	--	--	--	--	1.5
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	217	0	W	*	8	0	8.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	112	0	0	*	W	0	12.2
	Facility Lighting .....	88	--	--	--	--	--	1.4
	Facility Support .....	14	0	*	*	W	0	16.9
	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
	<b>End Use Not Reported</b> .....	381	0	1	W	*	0	20.4
3353	Aluminum Sheet, Plate, and Foil							
	RSE Column Factors:	1.2	0.6	1.3	0.8	1.2	1.0	
	<b>TOTAL INPUTS</b> .....	4,835	0	W	51	54	W	5.1
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	0	W	W	W	10.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	W	3	W	0	4.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	202	0	W	3	W	0	7.1
	Facility Lighting .....	185	--	--	--	--	--	1.3
	Facility Support .....	46	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
	<b>End Use Not Reported</b> .....	20	0	W	W	W	0	10.7

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>34</b>	<b>FABRICATED METAL PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.6	0.9	1.5	0.6	
	<b>TOTAL INPUTS</b> .....	34,387	478	747	213	1,334	W	12.3
	<b>Indirect Uses-Boiler Fuel</b> .....	379	312	188	38	47	W	20.6
	<b>Direct Uses-Total Process</b> .....	23,849	W	W	115	328	W	10.3
	Process Heating .....	4,314	Q	191	111	171	W	12.1
	Process Cooling and Refrigeration .....	754	0	0	*	W	0	23.1
	Machine Drive .....	16,952	W	W	3	105	0	16.2
	Electro-Chemical Processes .....	1,550	--	--	--	--	--	1.6
	Other Process Use .....	278	0	Q	1	W	0	27.5
	<b>Direct Uses-Total Nonprocess</b> .....	8,122	W	251	48	835	W	9.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	3,475	W	143	45	126	W	11.6
	Facility Lighting .....	3,775	--	--	--	--	--	1.3
	Facility Support .....	725	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
	<b>End Use Not Reported</b> .....	2,037	5	W	13	124	0	24.1
<b>35</b>	<b>INDUSTRIAL MACHINERY and EQUIPMENT</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.3	0.7	1.2	1.4	
	<b>TOTAL INPUTS</b> .....	32,203	W	672	107	885	484	8.5
	<b>Indirect Uses-Boiler Fuel</b> .....	183	319	110	21	27	424	15.7
	<b>Direct Uses-Total Process</b> .....	18,415	W	W	38	287	43	14.8
	Process Heating .....	3,114	Q	W	35	186	40	17.4
	Process Cooling and Refrigeration .....	897	0	1	*	0	3	27.8
	Machine Drive .....	14,137	Q	117	2	76	0	15.5
	Electro-Chemical Processes .....	108	--	--	--	--	--	1.5
	Other Process Use .....	159	W	157	1	25	0	30.6
	<b>Direct Uses-Total Nonprocess</b> .....	11,663	69	238	40	510	17	13.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	5,591	68	97	39	185	17	16.6
	Facility Lighting .....	4,613	--	--	--	--	--	1.3
	Facility Support .....	1,274	0	5	2	15	0	24.2
	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
	<b>End Use Not Reported</b> .....	1,942	Q	W	8	61	0	21.9
<b>357</b>	<b>Computer and Office Equipment</b>							
	<b>RSE Column Factors:</b>	1.3	0.7	2.0	1.2	1.4	0.3	
	<b>TOTAL INPUTS</b> .....	4,180	W	23	5	W	0	18.5
	<b>Indirect Uses-Boiler Fuel</b> .....	23	W	13	3	*	0	26.3
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	2,459	0	10	1	W	0	14.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	199	0	0	*	*	0	34.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>36</b>	<b>ELECTRONIC and OTHER ELECTRIC EQUIPMENT</b>							
	<b>RSE Column Factors:</b>	0.7	1.1	1.5	0.7	1.3	0.9	
	<b>TOTAL INPUTS</b> .....	33,219	415	290	84	622	W	10.6
	<b>Indirect Uses-Boiler Fuel</b> .....	214	296	174	29	23	W	15.6
	<b>Direct Uses-Total Process</b> .....	18,699	44	W	34	323	W	17.2
	Process Heating .....	5,495	Q	14	32	280	W	17.8
	Process Cooling and Refrigeration .....	1,914	17	*	*	0	0	25.8
	Machine Drive .....	9,691	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
	<b>Direct Uses-Total Nonprocess</b> .....	13,121	75	66	19	261	0	12.6
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	7,275	75	47	18	64	0	14.7
	Facility Lighting .....	4,420	--	--	--	--	--	1.3
	Facility Support .....	1,307	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
	<b>End Use Not Reported</b> .....	1,185	*	W	2	15	0	27.7
<b>37</b>	<b>TRANSPORTATION EQUIPMENT</b>							
	<b>RSE Column Factors:</b>	0.6	1.2	1.3	0.7	1.4	1.2	
	<b>TOTAL INPUTS</b> .....	39,517	1,781	1,123	150	W	1,245	9.6
	<b>Indirect Uses-Boiler Fuel</b> .....	512	910	430	50	W	1,225	14.5
	<b>Direct Uses-Total Process</b> .....	22,530	152	W	61	217	12	16.0
	Process Heating .....	3,522	152	W	59	175	12	18.3
	Process Cooling and Refrigeration .....	1,628	0	*	*	0	0	28.9
	Machine Drive .....	15,663	0	99	1	27	0	19.5
	Electro-Chemical Processes .....	610	--	--	--	--	--	1.5
	Other Process Use .....	1,108	0	150	1	14	0	24.3
	<b>Direct Uses-Total Nonprocess</b> .....	15,243	719	398	33	629	8	14.5
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	7,058	261	75	30	191	8	18.8
	Facility Lighting .....	6,425	--	--	--	--	--	1.3
	Facility Support .....	1,348	W	23	2	5	0	19.7
	Onsite Transportation .....	161	--	167	*	431	--	5.0
	Conventional Electricity Generation .....	--	W	114	1	*	0	16.1
	Other Nonprocess Use .....	252	126	18	*	2	0	31.6
	<b>End Use Not Reported</b> .....	1,231	0	W	6	43	0	22.6
<b>3711</b>	<b>Motor Vehicles and Car Bodies</b>							
	<b>RSE Column Factors:</b>	1.2	0.6	2.0	0.8	1.8	0.5	
	<b>TOTAL INPUTS</b> .....	8,846	300	81	51	88	571	20.4
	<b>Indirect Uses-Boiler Fuel</b> .....	368	300	17	13	6	571	28.3
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	2,598	0	29	9	66	0	14.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	311	0	*	0	7	0	24.5

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
3714	<b>Motor Vehicle Parts and Accessories</b>							
	<b>RSE Column Factors:</b>	0.8	0.8	1.4	0.7	1.6	1.1	
	<b>TOTAL INPUTS</b> .....	13,606	W	166	53	W	444	17.2
	<b>Indirect Uses-Boiler Fuel</b> .....	88	W	119	15	W	425	21.5
	<b>Direct Uses-Total Process</b> .....	9,145	0	W	24	75	12	16.4
	Process Heating .....	1,487	0	W	23	43	12	18.8
	Process Cooling and Refrigeration .....	384	0	0	*	0	0	27.7
	Machine Drive .....	6,751	0	1	*	23	0	15.7
	Electro-Chemical Processes .....	87	--	--	--	--	--	1.6
	Other Process Use .....	436	0	15	*	9	0	35.2
	<b>Direct Uses-Total Nonprocess</b> .....	4,173	0	25	12	288	8	19.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	1,934	0	Q	11	20	8	20.1
	Facility Lighting .....	1,696	--	--	--	--	--	1.4
	Facility Support .....	371	0	1	1	*	0	19.1
	Onsite Transportation .....	54	--	9	*	266	--	5.7
	Conventional Electricity Generation .....	--	0	*	0	*	0	5.8
	Other Nonprocess Use .....	117	0	*	0	Q	0	39.1
	<b>End Use Not Reported</b> .....	201	0	W	2	10	0	32.1
38	<b>INSTRUMENTS and RELATED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.7	0.9	1.2	0.9	1.7	0.9	
	<b>TOTAL INPUTS</b> .....	14,817	589	238	W	W	1,065	14.6
	<b>Indirect Uses-Boiler Fuel</b> .....	329	532	120	13	W	1,061	21.0
	<b>Direct Uses-Total Process</b> .....	6,030	Q	Q	5	13	0	14.3
	Process Heating .....	910	Q	Q	4	12	0	15.0
	Process Cooling and Refrigeration .....	1,047	0	0	*	0	0	24.4
	Machine Drive .....	3,733	0	*	*	Q	0	16.0
	Electro-Chemical Processes .....	113	--	--	--	--	--	1.5
	Other Process Use .....	227	0	*	*	*	0	35.3
	<b>Direct Uses-Total Nonprocess</b> .....	6,996	44	91	9	61	0	17.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	3,445	44	61	8	51	0	19.6
	Facility Lighting .....	2,570	--	--	--	--	--	1.3
	Facility Support .....	761	0	28	1	2	0	17.2
	Onsite Transportation .....	38	--	1	*	8	--	6.0
	Conventional Electricity Generation .....	--	0	1	*	*	0	10.4
	Other Nonprocess Use .....	181	0	*	*	*	0	21.5
	<b>End Use Not Reported</b> .....	Q	0	19	W	3	Q	21.3
3841	<b>Surgical and Medical Instruments</b>							
	<b>RSE Column Factors:</b>	0.9	0.9	1.8	1.0	1.6	0.5	
	<b>TOTAL INPUTS</b> .....	1,347	16	13	2	30	0	19.4
	<b>Indirect Uses-Boiler Fuel</b> .....	13	16	11	1	*	0	23.2
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	733	0	2	1	Q	0	13.8
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	Q	0	*	*	*	0	28.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994: Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup> (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil and Diesel Fuel <sup>f</sup> (1000 bbl)	Natural Gas <sup>d</sup> (billion cu ft)	LPG (1000 bbl)	Coal (excluding Coal Coke and Breeze) (1000 short tons)	RSE Row Factors
<b>39</b>	<b>MISC. MANUFACTURING INDUSTRIES</b>							
	<b>RSE Column Factors:</b>	1.2	0.6	1.6	0.9	1.6	0.7	
	<b>TOTAL INPUTS</b> .....	5,576	142	209	19	W	37	19.6
	<b>Indirect Uses-Boiler Fuel</b> .....	34	106	66	5	W	37	30.0
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	2,108	Q	Q	5	64	0	12.9
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	408	Q	W	1	Q	0	25.9

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "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.

<sup>c</sup> Includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

<sup>d</sup> "Natural Gas" includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as producers, brokers, and marketers.

<sup>e</sup> 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 A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>f</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>20-39</b>	<b>ALL INDUSTRY GROUPS</b>							
	<b>RSE Column Factors:</b>	0.5	1.4	1.4	0.8	1.2	1.2	
	<b>TOTAL INPUTS</b> .....	3,132	441	152	6,141	99	1,198	2.4
	<b>Indirect Uses-Boiler Fuel</b> .....	43	313	42	2,396	15	875	3.7
	<b>Direct Uses-Total Process</b> .....	2,489	106	51	2,872	54	302	3.8
	Process Heating .....	295	103	29	2,702	49	299	4.1
	Process Cooling and Refrigeration .....	159	*	*	21	2	*	17.5
	Machine Drive .....	1,687	3	18	95	3	3	7.7
	Electro-Chemical Processes .....	328	--	--	--	--	--	1.1
	Other Process Use .....	20	*	4	53	1	*	16.2
	<b>Direct Uses-Total Nonprocess</b> .....	494	14	49	726	25	8	5.2
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	233	5	7	351	5	3	6.5
	Facility Lighting .....	200	--	--	--	--	--	1.1
	Facility Support .....	51	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 .....	5	1	2	9	*	0	16.9
	<b>End Use Not Reported</b> .....	107	9	9	148	4	13	8.8
<b>20</b>	<b>FOOD and KINDRED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.3	1.8	0.9	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	221	30	19	630	6	165	5.8
	<b>Indirect Uses-Boiler Fuel</b> .....	4	26	10	366	2	154	7.9
	<b>Direct Uses-Total Process</b> .....	171	3	2	187	2	10	7.9
	Process Heating .....	9	3	1	178	2	W	8.8
	Process Cooling and Refrigeration .....	51	0	*	1	W	0	12.7
	Machine Drive .....	111	*	1	6	*	W	15.2
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.7
	Other Process Use .....	1	*	*	1	W	*	18.7
	<b>Direct Uses-Total Nonprocess</b> .....	35	*	6	56	2	1	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	16	W	1	35	*	W	15.5
	Facility Lighting .....	15	--	--	--	--	--	1.2
	Facility Support .....	4	*	*	5	*	W	20.1
	Onsite Transportation .....	1	--	3	*	2	--	4.3
	Conventional Electricity Generation .....	--	W	1	15	*	1	12.2
	Other Nonprocess Use .....	1	0	*	1	*	0	39.4
	<b>End Use Not Reported</b> .....	11	*	1	20	*	Q	16.4
<b>2011</b>	<b>Meat Packing Plants</b>							
	<b>RSE Column Factors:</b>	1.0	1.1	1.6	0.9	1.5	0.4	
	<b>TOTAL INPUTS</b> .....	13	1	1	36	W	W	12.2
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	25	*	*	14.9
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	2	*	*	2	W	W	12.4
	Facility Heating, Ventilation, and Air Conditioning <sup>g</sup> .....	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
	<b>End Use Not Reported</b> .....	*	0	0	1	0	0	29.7

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2033</b>	<b>Canned Fruits and Vegetables</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.8	0.8	1.2	0.8	
	<b>TOTAL INPUTS</b> .....	6	2	1	43	W	W	14.1
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	35	*	W	20.9
	<b>Direct Uses-Total Process</b> .....	5	*	*	2	*	0	25.9
	Process Heating .....		*	0	2	*	0	28.4
	Process Cooling and Refrigeration .....	2	0	0	*	0	0	28.1
	Machine Drive .....	4	0	*	*	*	0	21.3
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.8
	Other Process Use .....	*	0	0	*	0	0	42.4
	<b>Direct Uses-Total Nonprocess</b> .....	1	*	*	6	W	0	12.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	*	*	2	W	0	17.1
	Facility Lighting .....	*	--	--	--	--	--	1.4
	Facility Support .....	*	0	*	*	W	0	19.9
	Onsite Transportation .....	*	--	*	0	*	--	5.6
	Conventional Electricity Generation .....	--	0	*	4	0	0	9.5
	Other Nonprocess Use .....	0	0	0	0	*	0	0.0
	<b>End Use Not Reported</b> .....	*	*	*	*	*	0	21.6
<b>2037</b>	<b>Frozen Fruits and Vegetables</b>							
	<b>RSE Column Factors:</b>	1.1	1.1	1.8	0.8	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	10	1	*	28	*	0	13.5
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	21	*	0	19.1
	<b>Direct Uses-Total Process</b> .....	9	Q	*	5	*	0	13.3
	Process Heating .....	*	Q	*	5	*	0	18.0
	Process Cooling and Refrigeration .....	5	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
	<b>Direct Uses-Total Nonprocess</b> .....	1	*	*	1	*	0	15.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	*	*	1	*	0	20.7
	Facility Lighting .....	1	--	--	--	--	--	1.5
	Facility Support .....	*	*	0	*	*	0	26.4
	Onsite Transportation .....	*	--	*	0	*	--	5.8
	Conventional Electricity Generation .....	--	0	*	0	0	0	4.2
	Other Nonprocess Use .....	*	0	*	0	0	0	31.0
	<b>End Use Not Reported</b> .....	0	*	*	*	*	0	37.7
<b>2046</b>	<b>Wet Corn Milling</b>							
	<b>RSE Column Factors:</b>	1.1	0.8	1.7	0.9	1.5	0.5	
	<b>TOTAL INPUTS</b> .....	25	1	*	68	*	78	18.1
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	35	*	78	24.3
	<b>Direct Uses-Total Process</b> .....	23	0	*	33	*	0	16.0
	Process Heating .....	*	0	*	33	*	0	23.6
	Process Cooling and Refrigeration .....	*	0	0	0	0	0	18.7
	Machine Drive .....	22	0	*	0	0	0	14.8
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	2	0	*	*	*	0	13.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	0	*	*	*	0	17.9
	Facility Lighting .....	1	--	--	--	--	--	1.5
	Facility Support .....	*	0	*	*	0	0	26.1
	Onsite Transportation .....	*	--	*	0	*	--	6.8
	Conventional Electricity Generation .....	--	0	*	0	0	0	4.5
	Other Nonprocess Use .....	*	0	0	*	0	0	41.0
	<b>End Use Not Reported</b> .....	*	0	0	*	0	0	35.0

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2051</b>	<b>Bread, Cake, and Related Products</b>							
	<b>RSE Column Factors:</b>	1.0	0.4	2.2	1.2	2.1	0.4	
	<b>TOTAL INPUTS</b> .....	8	*	1	27	*	0	11.0
	<b>Indirect Uses-Boiler Fuel</b> .....	*	*	*	5	*	0	17.0
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	2	0	1	3	*	0	12.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	*	0	0	1	*	0	29.5
<b>2061</b>	<b>Cane Sugar, Except Refining</b>							
	<b>RSE Column Factors:</b>	0.8	1.0	1.1	0.9	1.5	0.8	
	<b>TOTAL INPUTS</b> .....	2	W	1	2	W	W	14.2
	<b>Indirect Uses-Boiler Fuel</b> .....	*	2	*	2	*	W	16.6
	<b>Direct Uses-Total Process</b> .....	2	*	*	*	*	0	20.0
	Process Heating .....	*	W	*	*	0	0	23.5
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	21.2
	Machine Drive .....	2	W	*	0	0	0	18.1
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.8
	Other Process Use .....	*	0	0	0	*	0	21.7
	<b>Direct Uses-Total Nonprocess</b> .....	*	W	1	W	W	0	16.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	0	W	W	0	16.3
	Facility Lighting .....	*	--	--	--	--	--	1.4
	Facility Support .....	*	0	0	*	0	0	16.7
	Onsite Transportation .....	0	--	*	0	*	--	4.3
	Conventional Electricity Generation .....	--	W	*	0	0	0	9.1
	Other Nonprocess Use .....	*	0	*	0	0	0	24.4
	<b>End Use Not Reported</b> .....	*	W	*	W	0	0	27.8
<b>2062</b>	<b>Cane Sugar Refining</b>							
	<b>RSE Column Factors:</b>	1.2	0.8	1.7	1.0	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	1	2	1	16	*	0	20.2
	<b>Indirect Uses-Boiler Fuel</b> .....	*	2	*	15	*	0	21.9
	<b>Direct Uses-Total Process</b> .....	1	*	*	1	*	0	24.3
	Process Heating .....	*	*	*	1	*	0	26.0
	Process Cooling and Refrigeration .....	*	0	0	0	0	0	23.2
	Machine Drive .....	1	*	*	0	0	0	29.8
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	*	0	*	*	*	0	21.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	0	*	0	0	29.1
	Facility Lighting .....	*	--	--	--	--	--	1.7
	Facility Support .....	*	0	*	0	0	0	22.1
	Onsite Transportation .....	*	--	*	0	*	--	8.6
	Conventional Electricity Generation .....	--	0	*	0	0	0	5.0
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	0	0	0	0	*	0	33.9

See footnotes at end of table.



**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2063</b>	<b>Beet Sugar</b>							
	<b>RSE Column Factors:</b>	0.8	0.9	1.2	1.0	1.1	1.0	
	<b>TOTAL INPUTS</b> .....	3	2	W	19	W	39	2.9
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	12	0	29	5.2
	<b>Direct Uses-Total Process</b> .....	3	1	W	6	*	10	4.7
	Process Heating .....	W	1	W	6	W	W	6.1
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	11.1
	Machine Drive .....	W	0	0	*	W	W	6.5
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	*	0	*	*	W	1	3.9
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	0	*	W	W	5.9
	Facility Lighting .....	*	--	--	--	--	--	1.2
	Facility Support .....	*	0	0	*	W	W	6.7
	Onsite Transportation .....	*	--	*	0	*	--	2.6
	Conventional Electricity Generation .....	--	0	*	*	0	W	4.9
	Other Nonprocess Use .....	0	0	0	0	*	0	8.8
	<b>End Use Not Reported</b> .....	*	0	0	0	0	0	12.3
<b>2075</b>	<b>Soybean Oil Mills</b>							
	<b>RSE Column Factors:</b>	1.3	0.8	1.2	1.0	0.9	0.9	
	<b>TOTAL INPUTS</b> .....	8	1	W	30	W	15	1.3
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	*	21	W	W	1.4
	<b>Direct Uses-Total Process</b> .....	7	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	2.2
	Machine Drive .....	6	0	W	0	0	0	0.8
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.0
	Other Process Use .....	*	0	0	1	W	0	1.0
	<b>Direct Uses-Total Nonprocess</b> .....	*	W	*	W	W	W	1.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	W	0	W	W	0	1.0
	Facility Lighting .....	*	--	--	--	--	--	1.1
	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
	<b>End Use Not Reported</b> .....	*	0	*	W	*	0	0.9
<b>2082</b>	<b>Malt Beverages</b>							
	<b>RSE Column Factors:</b>	1.5	0.2	2.4	1.6	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	10	W	*	22	W	17	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	*	20	W	17	8.8
	<b>Direct Uses-Total Process</b> .....	8	W	*	2	W	0	7.7
	Process Heating .....	W	W	0	2	W	0	16.4
	Process Cooling and Refrigeration .....	3	0	*	0	0	0	5.2
	Machine Drive .....	5	0	0	0	0	0	3.9
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.1
	Other Process Use .....	W	0	0	0	0	0	0.6
	<b>Direct Uses-Total Nonprocess</b> .....	2	W	*	1	W	0	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	W	*	1	W	0	8.0
	Facility Lighting .....	1	--	--	--	--	--	1.4
	Facility Support .....	W	0	0	0	0	0	15.6
	Onsite Transportation .....	*	--	*	*	W	--	5.7
	Conventional Electricity Generation .....	--	0	0	0	0	0	0.6
	Other Nonprocess Use .....	W	0	*	0	0	0	2.1
	<b>End Use Not Reported</b> .....	*	0	0	0	*	0	13.0

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>21</b>	<b>TOBACCO PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.7	0.9	1.8	0.9	1.5	0.6	
	<b>TOTAL INPUTS</b> .....	5	1	W	W	W	W	20.9
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	2	W	W	25.8
	<b>Direct Uses-Total Process</b> .....	3	*	W	1	*	0	23.3
	Process Heating .....	*	*	*	1	*	0	26.9
	Process Cooling and Refrigeration .....	*	*	0	*	0	0	38.7
	Machine Drive .....	3	0	W	*	0	0	25.6
	Electro-Chemical Processes .....	0	--	--	--	--	--	0.9
	Other Process Use .....	*	0	0	*	0	0	39.8
	<b>Direct Uses-Total Nonprocess</b> .....	2	*	*	W	*	0	26.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	*	0	W	*	0	33.5
	Facility Lighting .....	*	--	--	--	--	--	1.6
	Facility Support .....	*	*	0	*	0	0	34.3
	Onsite Transportation .....	0	--	*	0	*	--	5.1
	Conventional Electricity Generation .....	--	0	*	0	0	0	5.6
	Other Nonprocess Use .....	0	0	*	0	*	0	23.2
	<b>End Use Not Reported</b> .....	*	0	0	0	0	0	0.0
<b>22</b>	<b>TEXTILE MILL PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.3	0.9	1.2	0.9	
	<b>TOTAL INPUTS</b> .....	113	17	W	117	W	40	11.9
	<b>Indirect Uses-Boiler Fuel</b> .....	1	15	6	69	W	40	15.6
	<b>Direct Uses-Total Process</b> .....	77	1	W	36	3	0	15.1
	Process Heating .....	5	1	W	33	3	0	19.0
	Process Cooling and Refrigeration .....	7	0	0	*	0	0	13.5
	Machine Drive .....	64	*	*	Q	*	0	6.7
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.9
	Other Process Use .....	1	0	0	*	*	0	55.0
	<b>Direct Uses-Total Nonprocess</b> .....	29	W	*	8	1	W	18.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	16	W	*	7	W	W	17.1
	Facility Lighting .....	11	--	--	--	--	--	1.4
	Facility Support .....	2	W	*	W	W	0	27.7
	Onsite Transportation .....	*	--	*	*	W	--	8.2
	Conventional Electricity Generation .....	--	0	W	W	W	W	14.4
	Other Nonprocess Use .....	*	*	W	0	0	0	35.6
	<b>End Use Not Reported</b> .....	6	W	W	3	*	W	26.6
<b>23</b>	<b>APPAREL and OTHER TEXTILE PRODUCTS</b>							
	<b>RSE Column Factors:</b>	1.3	0.8	1.7	0.9	1.6	0.4	
	<b>TOTAL INPUTS</b> .....	26	W	1	25	W	W	16.3
	<b>Indirect Uses-Boiler Fuel</b> .....	Q	*	*	9	*	W	26.4
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	11	0	*	8	*	0	16.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	3	0	W	2	W	0	19.3

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>24</b>	<b>LUMBER and WOOD PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.8	1.4	1.5	0.8	1.1	0.7	
	<b>TOTAL INPUTS</b> .....	74	W	22	48	W	W	8.9
	<b>Indirect Uses-Boiler Fuel</b> .....	2	1	1	15	W	W	17.1
	<b>Direct Uses-Total Process</b> .....	57	*	11	24	1	0	11.2
	Process Heating .....	4	*	1	21	1	0	14.8
	Process Cooling and Refrigeration .....	*	0	0	*	W	0	23.7
	Machine Drive .....	53	0	9	1	*	0	13.1
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.7
	Other Process Use .....	1	0	Q	Q	W	0	23.0
	<b>Direct Uses-Total Nonprocess</b> .....	9	W	8	7	2	0	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	3	W	Q	7	*	0	15.7
	Facility Lighting .....	5	--	--	--	--	--	1.3
	Facility Support .....	1	0	*	*	*	0	23.8
	Onsite Transportation .....	*	--	7	*	2	--	4.5
	Conventional Electricity Generation .....	--	0	*	*	0	0	5.5
	Other Nonprocess Use .....	*	0	*	*	*	0	39.2
	<b>End Use Not Reported</b> .....	6	0	2	3	*	0	15.9
<b>2421</b>	<b>Sawmills and Planing Mills, General</b>							
	<b>RSE Column Factors:</b>	0.6	1.0	1.5	1.1	1.6	0.6	
	<b>TOTAL INPUTS</b> .....	27	W	7	11	W	0	12.6
	<b>Indirect Uses-Boiler Fuel</b> .....	1	*	*	5	W	0	26.6
	<b>Direct Uses-Total Process</b> .....	21	*	2	5	*	0	13.8
	Process Heating .....	1	*	*	5	*	0	18.7
	Process Cooling and Refrigeration .....	*	0	0	*	W	0	80.2
	Machine Drive .....	19	0	2	*	*	0	13.8
	Electro-Chemical Processes .....	*	--	--	--	--	--	0.9
	Other Process Use .....	*	0	0	0	W	0	31.2
	<b>Direct Uses-Total Nonprocess</b> .....	3	W	4	*	*	0	13.7
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	W	*	*	*	0	21.9
	Facility Lighting .....	1	--	--	--	--	--	1.4
	Facility Support .....	*	0	*	*	*	0	18.9
	Onsite Transportation .....	*	--	4	0	*	--	3.5
	Conventional Electricity Generation .....	--	0	*	0	0	0	1.6
	Other Nonprocess Use .....	*	0	*	0	*	0	23.4
	<b>End Use Not Reported</b> .....	3	0	1	*	*	0	24.3
<b>2436</b>	<b>Softwood Veneer and Plywood</b>							
	<b>RSE Column Factors:</b>	1.7	0.4	1.8	1.5	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	10	*	1	3	1	0	7.9
	<b>Indirect Uses-Boiler Fuel</b> .....	*	*	*	*	*	0	13.2
	<b>Direct Uses-Total Process</b> .....	8	0	*	2	*	0	11.9
	Process Heating .....	1	0	0	2	*	0	13.0
	Process Cooling and Refrigeration .....	*	0	0	0	0	0	7.6
	Machine Drive .....	7	0	W	0	W	0	12.9
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.8
	Other Process Use .....	W	0	W	0	W	0	12.3
	<b>Direct Uses-Total Nonprocess</b> .....	1	0	1	*	*	0	11.0
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	*	*	*	0	18.3
	Facility Lighting .....	1	--	--	--	--	--	1.6
	Facility Support .....	*	0	0	0	0	0	8.8
	Onsite Transportation .....	*	--	1	0	*	--	5.4
	Conventional Electricity Generation .....	--	0	*	0	0	0	3.5
	Other Nonprocess Use .....	*	0	*	0	0	0	13.5
	<b>End Use Not Reported</b> .....	*	0	*	*	*	0	19.3

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2493</b>	<b>Reconstituted Wood Products</b>							
	<b>RSE Column Factors:</b>	1.0	1.2	1.4	0.8	1.2	0.6	
	<b>TOTAL INPUTS</b> .....	16	W	W	18	W	W	13.1
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	5	W	W	18.2
	<b>Direct Uses-Total Process</b> .....	14	*	*	11	1	0	16.2
	Process Heating .....	1	*	*	9	1	0	16.4
	Process Cooling and Refrigeration .....	*	0	0	0	0	0	17.5
	Machine Drive .....	12	0	*	1	*	0	18.6
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.7
	Other Process Use .....	1	0	0	Q	*	0	24.3
	<b>Direct Uses-Total Nonprocess</b> .....	1	W	*	1	*	0	15.0
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	W	0	1	*	0	19.8
	Facility Lighting .....	1	--	--	--	--	--	1.4
	Facility Support .....	W	0	*	*	*	0	25.3
	Onsite Transportation .....	W	--	*	0	*	--	4.7
	Conventional Electricity Generation .....	--	0	*	0	0	0	4.3
	Other Nonprocess Use .....	*	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	*	0	W	1	*	0	36.6
<b>25</b>	<b>FURNITURE and FIXTURES</b>							
	<b>RSE Column Factors:</b>	0.8	1.1	1.3	0.7	1.1	1.2	
	<b>TOTAL INPUTS</b> .....	23	*	1	23	1	3	11.7
	<b>Indirect Uses-Boiler Fuel</b> .....	*	*	*	4	*	2	20.5
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	7	*	*	9	1	*	14.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	2	*	*	2	*	*	30.2
<b>2511</b>	<b>Wood Furniture, Except Upholstered</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.2	1.0	1.4	1.0	
	<b>TOTAL INPUTS</b> .....	8	*	*	2	*	1	15.8
	<b>Indirect Uses-Boiler Fuel</b> .....	*	*	*	*	*	1	25.3
	<b>Direct Uses-Total Process</b> .....	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	56.4
	<b>Direct Uses-Total Nonprocess</b> .....	1	*	*	1	*	*	23.0
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	*	*	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
	<b>End Use Not Reported</b> .....	*	0	*	*	*	*	39.1

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>26</b>	<b>PAPER and ALLIED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.2	0.7	1.4	1.3	
	<b>TOTAL INPUTS</b> .....	416	173	9	574	5	307	3.3
	<b>Indirect Uses-Boiler Fuel</b> .....	14	138	5	401	1	299	5.0
	<b>Direct Uses-Total Process</b> .....	355	32	W	115	2	W	6.3
	Process Heating .....	8	30	1	102	1	W	7.5
	Process Cooling and Refrigeration .....	6	0	0	1	0	0	11.8
	Machine Drive .....	333	1	1	10	*	W	12.5
	Electro-Chemical Processes .....	4	--	--	--	--	--	1.5
	Other Process Use .....	4	0	W	2	*	0	13.9
	<b>Direct Uses-Total Nonprocess</b> .....	36	2	2	51	3	W	6.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	16	W	*	17	W	W	11.6
	Facility Lighting .....	16	--	--	--	--	--	1.2
	Facility Support .....	4	W	*	1	*	0	16.5
	Onsite Transportation .....	*	--	2	*	2	--	2.5
	Conventional Electricity Generation .....	--	W	*	31	W	W	9.8
	Other Nonprocess Use .....	*	W	*	2	*	0	25.4
	<b>End Use Not Reported</b> .....	12	1	W	7	*	W	13.2
<b>2611</b>	<b>Pulp Mills</b>							
	<b>RSE Column Factors:</b>	1.2	0.7	1.2	1.0	1.2	0.7	
	<b>TOTAL INPUTS</b> .....	26	23	W	22	W	7	12.5
	<b>Indirect Uses-Boiler Fuel</b> .....	1	18	1	14	*	7	16.4
	<b>Direct Uses-Total Process</b> .....	23	4	*	7	*	0	12.8
	Process Heating .....	*	4	*	7	*	0	16.3
	Process Cooling and Refrigeration .....	1	0	0	0	0	0	12.3
	Machine Drive .....	21	0	*	*	*	0	18.1
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.7
	Other Process Use .....	*	0	0	0	*	0	25.4
	<b>Direct Uses-Total Nonprocess</b> .....	3	0	*	1	*	0	12.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	0	*	1	0	0	20.1
	Facility Lighting .....	1	--	--	--	--	--	1.5
	Facility Support .....	*	0	0	*	*	0	20.9
	Onsite Transportation .....	0	--	*	0	*	--	3.6
	Conventional Electricity Generation .....	--	0	0	0	0	0	0.8
	Other Nonprocess Use .....	*	0	0	0	0	0	20.5
	<b>End Use Not Reported</b> .....	0	1	W	0	W	0	29.8
<b>2621</b>	<b>Paper Mills</b>							
	<b>RSE Column Factors:</b>	0.7	1.0	1.1	0.8	1.1	1.3	
	<b>TOTAL INPUTS</b> .....	225	94	4	271	2	195	5.0
	<b>Indirect Uses-Boiler Fuel</b> .....	6	76	2	195	W	W	7.7
	<b>Direct Uses-Total Process</b> .....	197	17	1	48	1	W	9.6
	Process Heating .....	2	17	1	44	1	W	11.4
	Process Cooling and Refrigeration .....	3	0	0	*	0	0	20.4
	Machine Drive .....	188	1	*	W	*	W	13.8
	Electro-Chemical Processes .....	2	--	--	--	--	--	1.6
	Other Process Use .....	2	0	*	W	0	0	23.8
	<b>Direct Uses-Total Nonprocess</b> .....	15	W	1	26	1	W	8.6
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	7	W	W	3	*	W	10.8
	Facility Lighting .....	7	--	--	--	--	--	1.3
	Facility Support .....	2	W	*	*	*	0	17.4
	Onsite Transportation .....	*	--	1	0	1	--	3.3
	Conventional Electricity Generation .....	--	W	W	23	0	W	10.6
	Other Nonprocess Use .....	*	W	*	*	*	0	25.8
	<b>End Use Not Reported</b> .....	7	W	*	2	W	0	17.7

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
2631	<b>Paperboard Mills</b>							
	<b>RSE Column Factors:</b>	0.8	1.0	1.2	0.9	1.0	1.2	
	<b>TOTAL INPUTS</b> .....	111	50	W	199	W	101	2.6
	<b>Indirect Uses-Boiler Fuel</b> .....	6	39	1	150	W	W	4.7
	<b>Direct Uses-Total Process</b> .....	96	9	W	36	*	W	5.0
	Process Heating .....	2	W	*	31	*	W	6.8
	Process Cooling and Refrigeration .....	1	0	0	W	0	0	8.6
	Machine Drive .....	91	W	W	W	W	0	7.6
	Electro-Chemical Processes .....	1	--	--	--	--	--	1.5
	Other Process Use .....	2	0	W	0	W	0	11.8
	<b>Direct Uses-Total Nonprocess</b> .....	6	W	1	12	*	W	6.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	2	W	W	W	*	0	7.7
	Facility Lighting .....	3	--	--	--	--	--	1.2
	Facility Support .....	1	0	W	*	0	0	9.2
	Onsite Transportation .....	W	--	1	0	*	--	2.7
	Conventional Electricity Generation .....	--	W	W	9	0	W	7.7
	Other Nonprocess Use .....	W	0	*	W	0	0	13.1
	<b>End Use Not Reported</b> .....	3	W	W	2	W	W	9.8
27	<b>PRINTING and PUBLISHING</b>							
	<b>RSE Column Factors:</b>	0.7	1.2	1.8	0.9	1.7	0.4	
	<b>TOTAL INPUTS</b> .....	59	W	2	47	W	0	7.8
	<b>Indirect Uses-Boiler Fuel</b> .....	*	*	1	11	W	0	14.0
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	22	W	1	15	1	0	11.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	6	0	*	5	*	0	16.8
28	<b>CHEMICALS and ALLIED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.2	1.0	0.8	1.6	1.0	
	<b>TOTAL INPUTS</b> .....	680	60	13	1,895	W	257	5.9
	<b>Indirect Uses-Boiler Fuel</b> .....	9	37	7	931	1	245	9.2
	<b>Direct Uses-Total Process</b> .....	609	18	W	707	2	10	8.5
	Process Heating .....	22	18	2	638	1	W	9.5
	Process Cooling and Refrigeration .....	43	*	*	11	W	*	23.6
	Machine Drive .....	419	*	1	39	*	W	16.0
	Electro-Chemical Processes .....	122	--	--	--	--	--	1.3
	Other Process Use .....	3	*	W	20	W	0	20.0
	<b>Direct Uses-Total Nonprocess</b> .....	52	W	3	230	1	W	10.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	26	W	*	17	*	1	15.7
	Facility Lighting .....	20	--	--	--	--	--	1.2
	Facility Support .....	6	W	*	3	W	0	11.2
	Onsite Transportation .....	*	--	2	*	1	--	4.8
	Conventional Electricity Generation .....	--	W	*	207	W	W	13.7
	Other Nonprocess Use .....	1	W	*	3	*	0	19.0
	<b>End Use Not Reported</b> .....	10	W	W	27	W	W	15.6

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2812</b>	<b>Alkalies and Chlorine</b>							
	<b>RSE Column Factors:</b>	0.9	1.0	1.1	1.0	1.2	0.8	
	<b>TOTAL INPUTS</b> .....	60	W	*	53	*	W	8.3
	<b>Indirect Uses-Boiler Fuel</b> .....	W	W	*	W	*	W	10.9
	<b>Direct Uses-Total Process</b> .....	59	0	W	2	*	0	7.8
	Process Heating .....	W	0	W	W	0	0	9.8
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	8.0
	Machine Drive .....	6	0	W	*	*	0	9.3
	Electro-Chemical Processes .....	53	--	--	--	--	--	1.3
	Other Process Use .....	W	0	0	W	0	0	14.9
	<b>Direct Uses-Total Nonprocess</b> .....	W	W	W	W	*	0	8.8
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	W	0	W	0	0	8.7
	Facility Lighting .....	*	--	--	--	--	--	1.3
	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
	<b>End Use Not Reported</b> .....	0	0	*	0	*	0	12.1
<b>2813</b>	<b>Industrial Gases</b>							
	<b>RSE Column Factors:</b>	0.7	0.9	1.0	1.5	1.4	0.9	
	<b>TOTAL INPUTS</b> .....	82	0	W	19	W	0	16.1
	<b>Indirect Uses-Boiler Fuel</b> .....	3	0	*	6	*	0	36.3
	<b>Direct Uses-Total Process</b> .....	76	0	0	9	*	0	18.3
	Process Heating .....	2	0	0	9	*	0	28.0
	Process Cooling and Refrigeration .....	2	0	0	0	0	0	24.6
	Machine Drive .....	72	0	0	*	0	0	14.2
	Electro-Chemical Processes .....	0	--	--	--	--	--	0.9
	Other Process Use .....	*	0	0	*	0	0	75.3
	<b>Direct Uses-Total Nonprocess</b> .....	2	0	W	3	*	0	20.8
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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	6.6
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	1	0	0	0	W	0	56.8
<b>2816</b>	<b>Inorganic Pigments</b>							
	<b>RSE Column Factors:</b>	1.4	0.7	1.2	0.8	1.2	1.0	
	<b>TOTAL INPUTS</b> .....	8	W	W	W	W	W	9.1
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	*	10	*	W	11.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	*	0	*	*	*	0	7.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	*	0	W	W	*	0	16.6

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2819</b>	<b>Industrial Inorganic Chemicals, nec.</b>							
	<b>RSE Column Factors:</b>	1.2	0.8	1.3	0.8	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	155	4	W	W	W	32	11.3
	<b>Indirect Uses-Boiler Fuel</b> .....	1	1	1	73	*	26	13.4
	<b>Direct Uses-Total Process</b> .....	149	3	*	63	*	W	14.0
	Process Heating .....	7	3	*	61	*	W	13.0
	Process Cooling and Refrigeration .....	1	0	0	0	0	0	7.4
	Machine Drive .....	126	0	*	Q	*	0	25.2
	Electro-Chemical Processes .....	14	--	--	--	--	--	1.5
	Other Process Use .....	0	0	*	*	0	0	19.5
	<b>Direct Uses-Total Nonprocess</b> .....	5	*	*	4	*	W	11.9
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	2	*	*	2	*	W	15.9
	Facility Lighting .....	2	--	--	--	--	--	1.5
	Facility Support .....	1	0	W	*	*	0	16.7
	Onsite Transportation .....	*	--	W	0	*	--	5.4
	Conventional Electricity Generation .....	--	0	*	2	0	0	6.8
	Other Nonprocess Use .....	*	0	*	0	0	0	19.5
	<b>End Use Not Reported</b> .....	*	*	W	W	W	0	31.3
<b>2821</b>	<b>Plastics Materials and Resins</b>							
	<b>RSE Column Factors:</b>	0.8	0.9	1.2	1.0	1.7	0.7	
	<b>TOTAL INPUTS</b> .....	72	3	1	W	W	19	9.2
	<b>Indirect Uses-Boiler Fuel</b> .....	1	W	1	116	*	19	10.8
	<b>Direct Uses-Total Process</b> .....	61	W	W	52	W	0	13.3
	Process Heating .....	W	W	*	38	W	0	16.9
	Process Cooling and Refrigeration .....	6	0	0	*	W	0	9.7
	Machine Drive .....	41	0	W	6	W	0	10.9
	Electro-Chemical Processes .....	11	--	--	--	--	--	1.5
	Other Process Use .....	W	*	*	8	W	0	21.3
	<b>Direct Uses-Total Nonprocess</b> .....	5	*	*	20	*	0	11.6
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	3	0	*	1	*	0	13.1
	Facility Lighting .....	2	--	--	--	--	--	1.3
	Facility Support .....	1	0	W	W	*	0	11.9
	Onsite Transportation .....	W	--	W	0	*	--	4.1
	Conventional Electricity Generation .....	--	0	W	W	0	0	6.0
	Other Nonprocess Use .....	W	*	W	*	0	0	22.2
	<b>End Use Not Reported</b> .....	4	0	W	W	W	0	24.9
<b>2822</b>	<b>Synthetic Rubber</b>							
	<b>RSE Column Factors:</b>	1.0	0.6	1.3	1.3	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	8	W	*	42	W	W	20.7
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	*	23	0	W	28.1
	<b>Direct Uses-Total Process</b> .....	7	0	W	18	0	0	18.2
	Process Heating .....	*	0	0	16	0	0	21.3
	Process Cooling and Refrigeration .....	1	0	0	*	0	0	22.7
	Machine Drive .....	6	0	W	*	0	0	19.9
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	*	0	0	2	0	0	33.6
	<b>Direct Uses-Total Nonprocess</b> .....	1	0	*	*	W	0	15.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	0	*	W	0	18.6
	Facility Lighting .....	*	--	--	--	--	--	1.6
	Facility Support .....	*	0	*	*	0	0	22.9
	Onsite Transportation .....	*	--	*	0	*	--	7.3
	Conventional Electricity Generation .....	--	0	0	*	0	0	5.7
	Other Nonprocess Use .....	0	0	*	*	0	0	33.3
	<b>End Use Not Reported</b> .....	*	0	W	*	0	0	20.8

See footnotes at end of table.



**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2823</b>	<b>Cellulosic Manmade Fibers</b>							
	<b>RSE Column Factors:</b>	1.0	1.0	1.0	1.0	1.0	1.0	
	<b>TOTAL INPUTS</b> .....	3	0	*	W	W	W	1.0
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	W	W	0	W	1.0
	<b>Direct Uses-Total Process</b> .....	2	0	W	W	*	0	1.0
	Process Heating .....	W	0	W	W	*	0	1.0
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	1.0
	Machine Drive .....	2	0	*	0	0	0	1.0
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	*	*	W	0	1.0
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	0	*	0	0	1.0
	Facility Lighting .....	*	--	--	--	--	--	1.0
	Facility Support .....	*	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
	<b>End Use Not Reported</b> .....	*	0	0	0	0	0	1.0
<b>2824</b>	<b>Organic Fibers, Noncellulosic</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.4	1.3	1.2	0.6	
	<b>TOTAL INPUTS</b> .....	29	9	1	W	W	35	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	*	32	W	35	7.9
	<b>Direct Uses-Total Process</b> .....	25	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 .....	17	0	W	*	0	0	9.0
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.6
	Other Process Use .....	*	0	0	0	0	0	14.3
	<b>Direct Uses-Total Nonprocess</b> .....	4	0	*	W	*	0	4.7
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	2	0	W	W	W	0	7.7
	Facility Lighting .....	2	--	--	--	--	--	1.3
	Facility Support .....	W	0	0	*	W	0	10.5
	Onsite Transportation .....	*	--	W	*	W	--	4.7
	Conventional Electricity Generation .....	--	0	W	0	0	0	3.7
	Other Nonprocess Use .....	W	0	W	0	*	0	14.2
	<b>End Use Not Reported</b> .....	*	0	W	W	W	0	11.2
<b>2861</b>	<b>Gum and Wood Chemicals</b>							
	<b>RSE Column Factors:</b>	1.2	1.0	1.2	1.2	1.1	0.6	
	<b>TOTAL INPUTS</b> .....	1	*	W	4	W	0	6.9
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	W	W	W	0	8.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	W	*	W	0	6.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	*	0	W	W	W	0	7.6

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2865</b>	<b>Cyclic Crudes and Intermediates</b>							
	<b>RSE Column Factors:</b>	1.3	0.8	1.2	1.2	1.2	0.6	
	<b>TOTAL INPUTS</b> .....	19	W	1	98	1	W	19.7
	<b>Indirect Uses-Boiler Fuel</b> .....	1	W	1	65	Q	W	21.7
	<b>Direct Uses-Total Process</b> .....	16	*	W	26	*	0	17.3
	Process Heating .....	2	*	*	25	*	0	22.3
	Process Cooling and Refrigeration .....	4	0	0	W	0	0	22.6
	Machine Drive .....	10	0	W	W	*	0	16.4
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.8
	Other Process Use .....	*	0	*	0	0	0	25.9
	<b>Direct Uses-Total Nonprocess</b> .....	2	0	*	5	*	0	17.7
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	0	0	*	W	0	22.9
	Facility Lighting .....	1	--	--	--	--	--	1.6
	Facility Support .....	*	0	*	*	W	0	20.8
	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
	<b>End Use Not Reported</b> .....	*	W	W	2	0	0	31.7
<b>2869</b>	<b>Industrial Organic Chemicals, nec.</b>							
	<b>RSE Column Factors:</b>	0.9	0.9	1.3	1.0	1.4	0.7	
	<b>TOTAL INPUTS</b> .....	151	5	2	837	1	92	10.2
	<b>Indirect Uses-Boiler Fuel</b> .....	1	W	1	387	*	W	13.5
	<b>Direct Uses-Total Process</b> .....	139	1	W	285	1	0	12.8
	Process Heating .....	W	1	W	249	W	0	16.4
	Process Cooling and Refrigeration .....	16	0	W	4	W	0	17.6
	Machine Drive .....	82	0	*	28	0	0	11.4
	Electro-Chemical Processes .....	38	--	--	--	--	--	1.5
	Other Process Use .....	W	0	*	4	0	0	32.7
	<b>Direct Uses-Total Nonprocess</b> .....	10	W	1	153	*	0	15.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	4	W	W	3	W	0	12.9
	Facility Lighting .....	4	--	--	--	--	--	1.4
	Facility Support .....	1	0	*	W	W	0	10.8
	Onsite Transportation .....	*	--	W	0	*	--	5.3
	Conventional Electricity Generation .....	--	0	*	147	W	0	8.6
	Other Nonprocess Use .....	*	0	W	W	0	0	24.4
	<b>End Use Not Reported</b> .....	2	W	W	11	*	W	17.5
<b>2873</b>	<b>Nitrogenous Fertilizers</b>							
	<b>RSE Column Factors:</b>	1.5	0.4	1.5	1.4	1.7	0.4	
	<b>TOTAL INPUTS</b> .....	15	0	*	267	*	0	6.7
	<b>Indirect Uses-Boiler Fuel</b> .....	*	0	*	72	0	0	11.2
	<b>Direct Uses-Total Process</b> .....	14	0	*	185	*	0	9.9
	Process Heating .....	1	0	*	177	*	0	14.4
	Process Cooling and Refrigeration .....	1	0	0	5	0	0	14.2
	Machine Drive .....	11	0	*	2	*	0	13.6
	Electro-Chemical Processes .....	1	--	--	--	--	--	1.8
	Other Process Use .....	*	0	0	2	0	0	23.2
	<b>Direct Uses-Total Nonprocess</b> .....	1	0	*	2	*	0	10.5
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	0	*	*	*	0	14.6
	Facility Lighting .....	*	--	--	--	--	--	1.6
	Facility Support .....	*	0	*	*	*	0	19.3
	Onsite Transportation .....	0	--	*	0	*	--	4.4
	Conventional Electricity Generation .....	--	0	*	2	*	0	8.8
	Other Nonprocess Use .....	0	0	0	0	0	0	0.0
	<b>End Use Not Reported</b> .....	*	0	*	8	*	0	18.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2874</b>	<b>Phosphatic Fertilizers</b>							
	<b>RSE Column Factors:</b>	1.1	0.8	1.1	1.0	1.3	0.8	
	<b>TOTAL INPUTS</b> .....	14	W	1	W	*	W	5.1
	<b>Indirect Uses-Boiler Fuel</b> .....	W	W	W	2	0	0	6.7
	<b>Direct Uses-Total Process</b> .....	12	W	*	7	W	W	5.3
	Process Heating .....	W	W	W	7	W	W	6.5
	Process Cooling and Refrigeration .....	W	0	0	*	0	0	7.4
	Machine Drive .....	11	0	W	*	0	0	7.0
	Electro-Chemical Processes .....	W	--	--	--	--	--	1.4
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	*	W	W	0	4.6
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	*	W	*	0	5.8
	Facility Lighting .....	*	--	--	--	--	--	1.3
	Facility Support .....	*	0	*	0	*	0	6.3
	Onsite Transportation .....	W	--	W	0	W	--	3.1
	Conventional Electricity Generation .....	--	0	0	0	0	0	0.9
	Other Nonprocess Use .....	0	0	W	0	0	0	9.4
	<b>End Use Not Reported</b> .....	*	0	W	0	0	0	8.1
<b>2895</b>	<b>Carbon Black</b>							
	<b>RSE Column Factors:</b>	0.9	1.0	1.3	1.1	1.7	0.5	
	<b>TOTAL INPUTS</b> .....	2	W	W	17	W	0	10.7
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	0	6	0	0	13.7
	<b>Direct Uses-Total Process</b> .....	2	W	W	10	0	0	12.5
	Process Heating .....	W	W	0	10	0	0	16.3
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	15.1
	Machine Drive .....	2	0	W	*	0	0	12.6
	Electro-Chemical Processes .....	0	--	--	--	--	--	1.0
	Other Process Use .....	0	0	0	0	0	0	0.0
	<b>Direct Uses-Total Nonprocess</b> .....	W	W	*	W	W	0	13.8
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	*	W	0	0	13.6
	Facility Lighting .....	*	--	--	--	--	--	1.6
	Facility Support .....	W	W	0	W	0	0	18.3
	Onsite Transportation .....	0	--	*	*	W	--	6.0
	Conventional Electricity Generation .....	--	0	0	W	0	0	4.4
	Other Nonprocess Use .....	0	0	*	0	0	0	20.0
	<b>End Use Not Reported</b> .....	0	0	0	W	0	0	23.2
<b>29</b>	<b>PETROLEUM and COAL PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	0.9	1.6	0.7	1.1	1.5	
	<b>TOTAL INPUTS</b> .....	171	72	21	W	47	W	6.6
	<b>Indirect Uses-Boiler Fuel</b> .....	3	37	2	255	10	W	8.7
	<b>Direct Uses-Total Process</b> .....	150	29	16	469	35	6	7.2
	Process Heating .....	4	29	14	451	32	6	8.8
	Process Cooling and Refrigeration .....	9	*	*	W	W	0	21.7
	Machine Drive .....	137	*	W	12	1	0	15.3
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.5
	Other Process Use .....	*	0	W	W	W	0	14.8
	<b>Direct Uses-Total Nonprocess</b> .....	12	*	2	81	1	0	11.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	6	W	*	5	W	0	13.6
	Facility Lighting .....	5	--	--	--	--	--	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
	<b>End Use Not Reported</b> .....	6	6	2	W	2	0	17.9

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>2911</b>	<b>Petroleum Refining</b>							
	<b>RSE Column Factors:</b>	0.8	0.9	1.3	0.9	1.4	0.8	
	<b>TOTAL INPUTS</b> .....	161	68	7	756	W	W	5.8
	<b>Indirect Uses-Boiler Fuel</b> .....	3	35	1	243	9	W	7.3
	<b>Direct Uses-Total Process</b> .....	142	28	5	430	33	0	5.3
	Process Heating .....	3	28	5	414	31	0	6.9
	Process Cooling and Refrigeration .....	9	0	0	W	W	0	11.8
	Machine Drive .....	130	0	W	10	1	0	7.3
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.5
	Other Process Use .....	*	0	W	W	W	0	12.4
	<b>Direct Uses-Total Nonprocess</b> .....	10	W	*	W	W	0	8.7
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	W	0	0	W	W	0	7.2
	Facility Lighting .....	4	--	--	--	--	--	1.3
	Facility Support .....	1	W	W	1	W	0	12.4
	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
	<b>End Use Not Reported</b> .....	6	W	*	W	W	0	15.0
<b>30</b>	<b>RUBBER and MISC. PLASTICS PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.6	1.0	1.2	0.7	
	<b>TOTAL INPUTS</b> .....	150	10	3	110	3	5	7.2
	<b>Indirect Uses-Boiler Fuel</b> .....	1	8	2	56	*	5	11.6
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	28	*	1	22	2	*	9.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	7	*	*	6	*	0	20.9
<b>3011</b>	<b>Tires and Inner Tubes</b>							
	<b>RSE Column Factors:</b>	0.8	0.8	1.3	1.2	1.2	1.0	
	<b>TOTAL INPUTS</b> .....	16	5	1	23	*	2	10.3
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	W	20	*	2	13.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	4	W	W	1	W	*	9.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	1	W	W	1	W	0	11.4

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>308</b>	<b>Miscellaneous Plastics Products, nec.</b>							
	<b>RSE Column Factors:</b>	0.7	1.1	1.4	1.0	1.3	0.7	
	<b>TOTAL INPUTS</b> .....	116	3	2	63	2	2	10.9
	<b>Indirect Uses-Boiler Fuel</b> .....	*	2	1	25	*	2	18.1
	<b>Direct Uses-Total Process</b> .....	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 .....	59	1	W	1	*	0	20.5
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.8
	Other Process Use .....	1	0	*	1	W	0	34.9
	<b>Direct Uses-Total Nonprocess</b> .....	20	W	W	16	W	0	11.9
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	6	W	*	4	W	0	27.9
<b>31</b>	<b>LEATHER and LEATHER PRODUCTS</b>							
	<b>RSE Column Factors:</b>	1.0	0.7	1.8	0.9	1.7	0.5	
	<b>TOTAL INPUTS</b> .....	3	2	W	W	W	0	15.0
	<b>Indirect Uses-Boiler Fuel</b> .....	*	2	*	2	W	0	25.2
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	1	*	*	W	*	0	17.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	*	*	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
	<b>End Use Not Reported</b> .....	*	*	W	W	*	0	40.0
<b>32</b>	<b>STONE, CLAY and GLASS PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.7	1.0	1.4	0.8	1.6	0.8	
	<b>TOTAL INPUTS</b> .....	124	7	23	431	4	274	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	1	1	1	20	*	*	24.1
	<b>Direct Uses-Total Process</b> .....	105	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 .....	73	*	4	9	*	*	19.1
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.9
	Other Process Use .....	*	0	*	1	W	0	19.9
	<b>Direct Uses-Total Nonprocess</b> .....	14	*	11	22	1	*	7.9
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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	33.4
	<b>End Use Not Reported</b> .....	4	*	2	10	*	10	23.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
3211	<b>Flat Glass</b>							
	<b>RSE Column Factors:</b>	0.9	1.1	1.5	0.9	1.5	0.5	
	<b>TOTAL INPUTS</b> .....	5	2	*	45	*	0	15.0
	<b>Indirect Uses-Boiler Fuel</b> .....	*	0	*	1	0	0	30.8
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	1	0	*	1	*	0	12.1
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	*	0	0	0	*	0	33.7
3221	<b>Glass Containers</b>							
	<b>RSE Column Factors:</b>	1.2	0.9	1.7	0.8	1.4	0.5	
	<b>TOTAL INPUTS</b> .....	15	2	*	66	*	0	5.8
	<b>Indirect Uses-Boiler Fuel</b> .....	W	0	W	*	0	0	12.3
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	W	0	W	3	W	0	5.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	0	0	*	0	W	0	14.4
3229	<b>Pressed and Blown Glass, nec.</b>							
	<b>RSE Column Factors:</b>	1.2	1.0	1.5	0.9	1.3	0.5	
	<b>TOTAL INPUTS</b> .....	11	W	*	50	W	0	8.5
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	W	2	*	0	14.7
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	2	0	*	2	W	0	6.5
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	0	0	*	0	*	0	13.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
3241	<b>Cement, Hydraulic</b>							
	<b>RSE Column Factors:</b>	0.8	1.0	1.4	1.2	1.3	0.6	
	<b>TOTAL INPUTS</b> .....	38	1	5	25	*	202	11.7
	<b>Indirect Uses-Boiler Fuel</b> .....	*	0	*	1	0	0	33.5
	<b>Direct Uses-Total Process</b> .....	34	1	2	22	*	196	15.1
	Process Heating .....	3	1	2	21	*	196	18.5
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	23.7
	Machine Drive .....	31	0	*	*	*	*	22.2
	Electro-Chemical Processes .....	0	--	--	--	--	--	0.9
	Other Process Use .....	W	0	0	0	0	0	55.2
	<b>Direct Uses-Total Nonprocess</b> .....	2	0	2	1	*	0	10.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	1	0	W	1	*	0	16.0
	Facility Lighting .....	1	--	--	--	--	--	1.4
	Facility Support .....	*	0	W	*	*	0	21.9
	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
	<b>End Use Not Reported</b> .....	2	0	*	1	*	6	28.1
3274	<b>Lime</b>							
	<b>RSE Column Factors:</b>	1.1	1.2	0.9	0.9	1.5	0.6	
	<b>TOTAL INPUTS</b> .....	4	1	1	13	*	66	18.3
	<b>Indirect Uses-Boiler Fuel</b> .....	0	0	*	0	0	0	53.4
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	*	0	1	*	*	0	21.5
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	*	*	*	1	*	4	34.9
3296	<b>Mineral Wool</b>							
	<b>RSE Column Factors:</b>	1.0	0.8	2.0	0.8	1.3	0.5	
	<b>TOTAL INPUTS</b> .....	12	W	*	37	W	0	9.9
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	*	1	*	0	19.1
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	1	0	W	1	W	0	8.7
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	0	0	*	0	0	0	0.0

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>33</b>	<b>PRIMARY METAL INDUSTRIES</b>							
	<b>RSE Column Factors:</b>	0.5	1.4	1.1	0.8	1.5	1.0	
	<b>TOTAL INPUTS</b> .....	521	43	12	801	5	52	6.8
	<b>Indirect Uses-Boiler Fuel</b> .....	1	30	1	95	*	42	10.7
	<b>Direct Uses-Total Process</b> .....	473	13	W	628	3	W	9.6
	Process Heating .....	125	13	3	604	3	W	11.5
	Process Cooling and Refrigeration .....	4	0	0	*	0	0	19.1
	Machine Drive .....	153	*	W	3	*	0	11.5
	Electro-Chemical Processes .....	188	--	--	--	--	--	1.0
	Other Process Use .....	2	0	*	19	*	0	22.0
	<b>Direct Uses-Total Nonprocess</b> .....	40	*	7	58	2	W	5.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	16	W	1	47	*	*	13.4
	Facility Lighting .....	18	--	--	--	--	--	1.2
	Facility Support .....	4	*	*	W	*	0	15.1
	Onsite Transportation .....	1	--	W	*	2	--	5.6
	Conventional Electricity Generation .....	--	0	W	W	*	W	3.6
	Other Nonprocess Use .....	1	W	W	1	*	0	24.9
	<b>End Use Not Reported</b> .....	7	0	W	21	*	W	19.4
<b>331</b>	<b>Blast Furnace and Basic Steel Products</b>							
	<b>RSE Column Factors:</b>	0.7	1.0	1.1	0.7	1.4	1.4	
	<b>TOTAL INPUTS</b> .....	205	42	W	518	W	39	10.7
	<b>Indirect Uses-Boiler Fuel</b> .....	1	29	1	67	W	34	13.4
	<b>Direct Uses-Total Process</b> .....	184	12	1	417	*	W	13.7
	Process Heating .....	79	12	1	396	W	W	15.5
	Process Cooling and Refrigeration .....	2	0	0	*	0	0	23.7
	Machine Drive .....	96	*	*	2	*	0	16.2
	Electro-Chemical Processes .....	5	--	--	--	--	--	1.5
	Other Process Use .....	2	0	*	19	W	0	26.5
	<b>Direct Uses-Total Nonprocess</b> .....	18	*	4	29	1	*	14.2
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	7	W	*	23	*	*	16.6
	Facility Lighting .....	9	--	--	--	--	--	1.3
	Facility Support .....	2	*	*	5	*	0	17.2
	Onsite Transportation .....	*	--	3	*	Q	--	3.2
	Conventional Electricity Generation .....	--	0	*	*	*	0	13.8
	Other Nonprocess Use .....	*	W	0	1	*	0	26.4
	<b>End Use Not Reported</b> .....	2	0	W	5	*	W	20.4
<b>3312</b>	<b>Blast Furnaces and Steel Mills</b>							
	<b>RSE Column Factors:</b>	0.8	1.1	1.0	0.8	1.1	1.1	
	<b>TOTAL INPUTS</b> .....	171	42	W	476	W	35	8.1
	<b>Indirect Uses-Boiler Fuel</b> .....	1	29	1	60	*	34	13.9
	<b>Direct Uses-Total Process</b> .....	155	12	1	388	*	W	10.0
	Process Heating .....	63	12	1	368	W	W	10.9
	Process Cooling and Refrigeration .....	2	0	0	*	0	0	20.6
	Machine Drive .....	85	*	W	2	*	0	14.1
	Electro-Chemical Processes .....	4	--	--	--	--	--	1.6
	Other Process Use .....	2	0	W	19	W	0	25.7
	<b>Direct Uses-Total Nonprocess</b> .....	15	*	3	24	*	0	8.8
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	5	W	*	18	*	0	14.1
	Facility Lighting .....	7	--	--	--	--	--	1.3
	Facility Support .....	2	0	0	4	*	0	14.6
	Onsite Transportation .....	*	--	3	0	*	--	3.8
	Conventional Electricity Generation .....	--	0	0	*	*	0	10.1
	Other Nonprocess Use .....	*	W	0	1	*	0	24.7
	<b>End Use Not Reported</b> .....	*	0	W	3	W	W	23.9

See footnotes at end of table.



**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
3313	<b>Electrometallurgical Products</b>							
	<b>RSE Column Factors:</b>	2.7	0.4	1.5	1.2	1.4	0.4	
	<b>TOTAL INPUTS</b> .....	16	0	*	3	*	Q	19.4
	<b>Indirect Uses-Boiler Fuel</b> .....	0	0	0	*	0	0	0.0
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	1	0	*	*	*	0	20.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	*	0	0	*	0	0	0.0
3321	<b>Gray and Ductile Iron Foundries</b>							
	<b>RSE Column Factors:</b>	1.1	0.9	1.4	0.7	1.2	0.9	
	<b>TOTAL INPUTS</b> .....	30	*	1	33	1	*	11.3
	<b>Indirect Uses-Boiler Fuel</b> .....	*	0	*	2	W	0	31.8
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	4	*	W	9	*	0	10.5
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	2	*	*	9	*	0	19.5
	Facility Lighting .....	2	--	--	--	--	--	1.5
	Facility Support .....	W	0	*	*	*	0	20.9
	Onsite Transportation .....	W	--	*	0	*	--	5.2
	Conventional Electricity Generation .....	--	0	W	0	0	0	5.2
	Other Nonprocess Use .....	*	0	0	0	*	0	34.2
	<b>End Use Not Reported</b> .....	1	0	W	Q	W	0	34.6
3331	<b>Primary Copper</b>							
	<b>RSE Column Factors:</b>	1.0	1.0	1.0	1.0	1.0	1.0	
	<b>TOTAL INPUTS</b> .....	8	W	W	22	W	W	1.0
	<b>Indirect Uses-Boiler Fuel</b> .....	0	0	0	8	0	W	1.0
	<b>Direct Uses-Total Process</b> .....	7	W	W	11	0	W	1.0
	Process Heating .....	1	W	W	11	0	W	1.0
	Process Cooling and Refrigeration .....	W	0	0	0	0	0	1.0
	Machine Drive .....	4	0	W	0	0	0	1.0
	Electro-Chemical Processes .....	1	--	--	--	--	--	1.0
	Other Process Use .....	W	0	0	*	0	0	1.0
	<b>Direct Uses-Total Nonprocess</b> .....	1	0	W	3	W	W	1.0
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	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
	<b>End Use Not Reported</b> .....	*	0	W	0	0	0	1.0

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
3334	Primary Aluminum							
	RSE Column Factors:	0.9	0.9	1.0	1.5	0.9	0.9	
	TOTAL INPUTS .....	W	W	1	17	W	0	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 .....	1	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 <sup>e</sup> .....	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 .....	*	0	0	W	*	0	0.9
3339	Primary Nonferrous Metals, nec.							
	RSE Column Factors:	1.4	0.7	1.2	1.1	1.2	0.7	
	TOTAL INPUTS .....	17	W	W	12	*	8	14.6
	Indirect Uses-Boiler Fuel .....	*	W	*	W	*	8	23.6
	Direct Uses-Total Process .....	15	0	*	9	*	0	11.5
	Process Heating .....	6	0	W	9	*	0	13.4
	Process Cooling and Refrigeration .....	*	0	0	0	0	0	13.5
	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	8.9
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	*	0	0	*	W	0	12.2
	Facility Lighting .....	*	--	--	--	--	--	1.4
	Facility Support .....	*	0	*	*	W	0	16.9
	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 .....	1	0	*	W	*	0	20.4
3353	Aluminum Sheet, Plate, and Foil							
	RSE Column Factors:	1.2	0.6	1.3	0.8	1.2	1.0	
	TOTAL INPUTS .....	16	0	W	53	*	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 <sup>e</sup> .....	1	0	W	3	W	0	7.1
	Facility Lighting .....	1	--	--	--	--	--	1.3
	Facility Support .....	*	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 .....	*	0	W	W	W	0	10.7

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>34</b>	<b>FABRICATED METAL PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.9	0.8	1.6	0.9	1.5	0.6	
	<b>TOTAL INPUTS</b> .....	117	3	4	220	5	W	12.3
	<b>Indirect Uses-Boiler Fuel</b> .....	1	2	1	39	*	W	20.6
	<b>Direct Uses-Total Process</b> .....	81	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 .....	58	W	W	3	*	0	16.2
	Electro-Chemical Processes .....	5	--	--	--	--	--	1.6
	Other Process Use .....	1	0	*	1	W	0	27.5
	<b>Direct Uses-Total Nonprocess</b> .....	28	W	1	49	3	W	9.3
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	12	W	1	47	*	W	11.6
	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
	<b>End Use Not Reported</b> .....	7	*	W	13	*	0	24.1
<b>35</b>	<b>INDUSTRIAL MACHINERY and EQUIPMENT</b>							
	<b>RSE Column Factors:</b>	0.6	1.1	1.3	0.7	1.2	1.4	
	<b>TOTAL INPUTS</b> .....	110	W	4	110	3	11	8.5
	<b>Indirect Uses-Boiler Fuel</b> .....	1	2	1	21	*	9	15.7
	<b>Direct Uses-Total Process</b> .....	63	W	W	39	1	1	14.8
	Process Heating .....	11	*	W	36	1	1	17.4
	Process Cooling and Refrigeration .....	3	0	*	*	0	*	27.8
	Machine Drive .....	48	*	1	2	*	0	15.5
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.5
	Other Process Use .....	1	W	1	1	*	0	30.6
	<b>Direct Uses-Total Nonprocess</b> .....	40	*	1	42	2	*	13.4
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	19	*	1	40	1	*	16.6
	Facility Lighting .....	16	--	--	--	--	--	1.3
	Facility Support .....	4	0	*	2	*	0	24.2
	Onsite Transportation .....	*	--	1	*	W	--	5.0
	Conventional Electricity Generation .....	--	0	*	*	W	0	12.5
	Other Nonprocess Use .....	*	*	*	*	*	0	41.2
	<b>End Use Not Reported</b> .....	7	*	W	8	*	0	21.9
<b>357</b>	<b>Computer and Office Equipment</b>							
	<b>RSE Column Factors:</b>	1.3	0.7	2.0	1.2	1.4	0.3	
	<b>TOTAL INPUTS</b> .....	14	W	*	5	W	0	18.5
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	*	4	*	0	26.3
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	8	0	*	1	W	0	14.8
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	1	0	0	*	0	0	34.6

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>36</b>	<b>ELECTRONIC and OTHER ELECTRIC EQUIPMENT</b>							
	<b>RSE Column Factors:</b>	0.7	1.1	1.5	0.7	1.3	0.9	
	<b>TOTAL INPUTS</b> .....	113	3	2	87	2	W	10.6
	<b>Indirect Uses-Boiler Fuel</b> .....	1	2	1	29	*	W	15.6
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	45	*	*	20	1	0	12.6
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	4	*	W	3	*	0	27.7
<b>37</b>	<b>TRANSPORTATION EQUIPMENT</b>							
	<b>RSE Column Factors:</b>	0.6	1.2	1.3	0.7	1.4	1.2	
	<b>TOTAL INPUTS</b> .....	135	11	7	154	W	28	9.5
	<b>Indirect Uses-Boiler Fuel</b> .....	2	6	3	51	W	27	14.5
	<b>Direct Uses-Total Process</b> .....	77	1	W	63	1	*	16.0
	Process Heating .....	12	1	W	61	1	*	18.3
	Process Cooling and Refrigeration .....	6	0	*	*	0	0	28.9
	Machine Drive .....	53	0	1	1	*	0	19.4
	Electro-Chemical Processes .....	2	--	--	--	--	--	1.5
	Other Process Use .....	4	0	1	1	*	0	24.3
	<b>Direct Uses-Total Nonprocess</b> .....	52	5	2	34	2	*	14.5
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	4	0	W	6	*	0	22.6
<b>3711</b>	<b>Motor Vehicles and Car Bodies</b>							
	<b>RSE Column Factors:</b>	1.2	0.6	2.0	0.8	1.8	0.5	
	<b>TOTAL INPUTS</b> .....	30	2	*	52	*	13	20.4
	<b>Indirect Uses-Boiler Fuel</b> .....	1	2	*	14	*	13	28.3
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	9	0	*	9	*	0	14.8
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	1	0	*	0	*	0	24.5

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994:**  
**Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>3714</b>	<b>Motor Vehicle Parts and Accessories</b>							
	<b>RSE Column Factors:</b>	0.8	0.8	1.4	0.7	1.6	1.1	
	<b>TOTAL INPUTS</b> .....	46	W	1	54	W	10	17.2
	<b>Indirect Uses-Boiler Fuel</b> .....	*	W	1	15	W	10	21.3
	<b>Direct Uses-Total Process</b> .....	31	0	W	24	*	*	16.4
	Process Heating .....	5	0	W	24	*	*	18.8
	Process Cooling and Refrigeration .....	1	0	0	*	0	0	27.7
	Machine Drive .....	23	0	*	*	*	0	15.7
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.6
	Other Process Use .....	1	0	*	*	*	0	35.2
	<b>Direct Uses-Total Nonprocess</b> .....	14	0	*	13	1	*	20.0
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	7	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	5.8
	Other Nonprocess Use .....	*	0	*	0	*	0	39.0
	<b>End Use Not Reported</b> .....	1	0	W	2	*	0	32.1
<b>38</b>	<b>INSTRUMENTS and RELATED PRODUCTS</b>							
	<b>RSE Column Factors:</b>	0.7	0.9	1.2	0.9	1.7	0.9	
	<b>TOTAL INPUTS</b> .....	51	4	1	W	W	23	14.6
	<b>Indirect Uses-Boiler Fuel</b> .....	1	3	1	13	W	23	21.0
	<b>Direct Uses-Total Process</b> .....	21	*	*	5	*	0	14.3
	Process Heating .....	3	*	*	5	*	0	15.0
	Process Cooling and Refrigeration .....	4	0	0	*	0	0	24.4
	Machine Drive .....	13	0	*	*	*	0	16.0
	Electro-Chemical Processes .....	*	--	--	--	--	--	1.5
	Other Process Use .....	1	0	*	*	*	0	35.3
	<b>Direct Uses-Total Nonprocess</b> .....	24	*	1	9	*	0	17.9
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	12	*	*	8	*	0	19.6
	Facility Lighting .....	9	--	--	--	--	--	1.3
	Facility Support .....	3	0	*	1	*	0	17.3
	Onsite Transportation .....	*	--	*	*	*	--	5.9
	Conventional Electricity Generation .....	--	0	*	*	*	0	10.4
	Other Nonprocess Use .....	1	0	*	*	*	0	21.5
	<b>End Use Not Reported</b> .....	Q	0	*	W	*	*	21.4
<b>3841</b>	<b>Surgical and Medical Instruments</b>							
	<b>RSE Column Factors:</b>	0.9	0.9	1.8	1.0	1.6	0.5	
	<b>TOTAL INPUTS</b> .....	5	*	*	2	*	0	19.4
	<b>Indirect Uses-Boiler Fuel</b> .....	*	*	*	1	*	0	23.2
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	3	0	*	1	*	0	13.8
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	*	0	*	*	*	0	28.2

See footnotes at end of table.

**Table A10. Selected Combustible Inputs of Energy for Heat, Power, and Electricity Generation and Net Demand for Electricity by Fuel Type and End Use, 1994: Part 2 (Continued)**  
(Estimates in Trillion Btu)

SIC Code <sup>a</sup>	End-Use Categories	Net Demand for Electricity <sup>b</sup>	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel <sup>c</sup>	Natural Gas <sup>d</sup>	LPG	Coal (excluding Coal Coke and Breeze)	RSE Row Factors
<b>39</b>	<b>MISC. MANUFACTURING INDUSTRIES</b>							
	<b>RSE Column Factors:</b>	1.1	0.5	1.6	0.9	1.6	0.7	
	<b>TOTAL INPUTS</b> .....	19	1	1	19	W	1	19.6
	<b>Indirect Uses-Boiler Fuel</b> .....	*	1	*	5	W	1	30.2
	<b>Direct Uses-Total Process</b> .....	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
	<b>Direct Uses-Total Nonprocess</b> .....	7	*	Q	5	*	0	13.0
	Facility Heating, Ventilation, and Air Conditioning <sup>e</sup> .....	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
	<b>End Use Not Reported</b> .....	1	*	W	1	*	0	25.9

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "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.

<sup>c</sup> Includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

<sup>d</sup> "Natural Gas" includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as producers, brokers, and marketers.

<sup>e</sup> 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 A11. Components of Net Demand for Electricity by Census Region and Industry Group, 1994: Part 1**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Purchases	Transfers In <sup>b</sup>	Total Onsite Generation <sup>c</sup>	Sales and/or Transfers Offsite	Net Demand for Electricity <sup>d</sup>	RSE Row Factors
Total United States							
<b>RSE Column Factors:</b>		0.4	2.3	1.6	2.0	0.4	
20	Food and Kindred Products .....	W	W	6,962	1,829	64,877	9.5
21	Tobacco Products .....	1,259	0	W	W	1,572	25.8
22	Textile Mill Products .....	32,515	177	W	W	33,124	16.6
23	Apparel and Other Textile Products .....	W	W	Q	Q	7,748	30.1
24	Lumber and Wood Products .....	W	W	1,977	1,041	21,767	8.2
25	Furniture and Fixtures .....	6,678	0	W	W	6,671	15.4
26	Paper and Allied Products .....	71,514	735	58,837	9,250	121,835	4.0
27	Printing and Publishing .....	W	W	W	W	17,422	15.2
28	Chemicals and Allied Products .....	156,267	3,959	46,802	7,744	199,284	6.0
29	Petroleum and Coal Products .....	W	W	14,550	1,939	49,990	6.0
30	Rubber and Misc. Plastics Products .....	43,732	Q	118	29	43,865	12.4
31	Leather and Leather Products .....	827	0	W	W	834	27.3
32	Stone, Clay and Glass Products .....	W	W	W	W	36,386	12.5
33	Primary Metal Industries .....	W	W	8,284	5,137	152,740	2.8
34	Fabricated Metal Products .....	33,833	68	W	W	34,387	16.0
35	Industrial Machinery and Equipment .....	W	W	W	W	32,203	15.3
36	Electronic and Other Electric Equipment .....	W	W	W	W	33,219	14.9
37	Transportation Equipment .....	W	W	744	225	39,517	10.9
38	Instruments and Related Products .....	13,494	0	1,338	15	14,817	21.0
39	Misc. Manufacturing Industries .....	5,575	0	*	0	5,576	21.9
	<b>Total .....</b>	<b>788,070</b>	<b>15,533</b>	<b>142,450</b>	<b>28,221</b>	<b>917,832</b>	<b>2.2</b>
Northeast Census Region							
<b>RSE Column Factors:</b>		0.4	2.2	1.5	1.7	0.4	
20	Food and Kindred Products .....	6,292	0	W	W	6,583	13.3
21	Tobacco Products .....	20	0	0	0	20	57.1
22	Textile Mill Products .....	1,667	0	W	W	W	15.5
23	Apparel and Other Textile Products .....	W	W	0	0	2,035	92.7
24	Lumber and Wood Products .....	1,212	0	90	Q	1,287	25.8
25	Furniture and Fixtures .....	424	0	W	W	W	25.7
26	Paper and Allied Products .....	W	W	W	W	17,237	8.2
27	Printing and Publishing .....	W	W	W	0	W	16.6
28	Chemicals and Allied Products .....	11,312	99	W	W	12,395	12.3
29	Petroleum and Coal Products .....	3,451	0	W	W	3,938	11.7
30	Rubber and Misc. Plastics Products .....	W	W	55	Q	6,528	14.0
31	Leather and Leather Products .....	242	0	W	W	W	38.0
32	Stone, Clay and Glass Products .....	W	W	W	W	W	12.8
33	Primary Metal Industries .....	W	W	1,793	438	19,564	10.5
34	Fabricated Metal Products .....	W	W	W	W	W	18.2
35	Industrial Machinery and Equipment .....	W	W	W	W	W	19.7
36	Electronic and Other Electric Equipment .....	W	W	*	0	7,358	22.0
37	Transportation Equipment .....	3,567	0	W	W	4,026	17.5
38	Instruments and Related Products .....	3,746	0	W	0	W	24.2
39	Misc. Manufacturing Industries .....	1,673	0	0	0	1,673	26.2
	<b>Total .....</b>	<b>95,488</b>	<b>794</b>	<b>16,663</b>	<b>4,108</b>	<b>108,836</b>	<b>5.0</b>

See footnotes at end of table.

**Table A11. Components of Net Demand for Electricity by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Purchases	Transfers In <sup>b</sup>	Total Onsite Generation <sup>c</sup>	Sales and/or Transfers Offsite	Net Demand for Electricity <sup>d</sup>	RSE Row Factors
Midwest Census Region							
RSE Column Factors:		0.5	2.0	1.5	1.6	0.5	
20	Food and Kindred Products .....	W	W	W	W	26,105	9.3
21	Tobacco Products .....	W	0	0	0	W	83.1
22	Textile Mill Products .....	W	0	0	0	W	32.8
23	Apparel and Other Textile Products .....	785	0	Q	0	797	32.8
24	Lumber and Wood Products .....	3,124	0	159	149	3,134	16.8
25	Furniture and Fixtures .....	2,236	0	W	W	W	22.2
26	Paper and Allied Products .....	W	W	6,914	972	21,830	9.0
27	Printing and Publishing .....	5,975	0	0	0	5,975	13.1
28	Chemicals and Allied Products .....	40,189	245	W	W	41,610	13.6
29	Petroleum and Coal Products .....	W	W	W	W	8,566	11.4
30	Rubber and Misc. Plastics Products .....	W	W	52	Q	16,308	17.0
31	Leather and Leather Products .....	W	0	W	0	326	37.2
32	Stone, Clay and Glass Products .....	9,722	0	W	0	W	14.1
33	Primary Metal Industries .....	W	W	3,817	645	54,548	5.8
34	Fabricated Metal Products .....	17,194	0	W	W	17,130	21.7
35	Industrial Machinery and Equipment .....	W	W	W	W	14,929	14.0
36	Electronic and Other Electric Equipment .....	W	W	W	W	8,578	16.8
37	Transportation Equipment .....	W	W	190	136	17,731	17.2
38	Instruments and Related Products .....	2,487	0	W	W	W	21.4
39	Misc. Manufacturing Industries .....	966	0	0	0	966	30.6
	<b>Total</b> .....	233,566	5,937	16,333	2,306	253,530	4.5
South Census Region							
RSE Column Factors:		0.5	2.2	1.5	1.5	0.4	
20	Food and Kindred Products .....	W	W	1,397	234	20,678	10.2
21	Tobacco Products .....	W	0	W	W	W	25.4
22	Textile Mill Products .....	29,946	177	W	W	30,488	18.5
23	Apparel and Other Textile Products .....	W	W	0	Q	4,262	15.5
24	Lumber and Wood Products .....	W	W	226	89	9,613	13.3
25	Furniture and Fixtures .....	3,354	0	32	0	3,386	18.6
26	Paper and Allied Products .....	30,216	106	36,231	1,909	64,644	5.7
27	Printing and Publishing .....	6,096	0	W	0	W	21.5
28	Chemicals and Allied Products .....	91,340	3,148	42,162	6,547	130,102	6.9
29	Petroleum and Coal Products .....	W	W	8,870	707	26,829	7.3
30	Rubber and Misc. Plastics Products .....	17,283	*	*	Q	17,270	11.4
31	Leather and Leather Products .....	W	0	0	0	W	42.1
32	Stone, Clay and Glass Products .....	W	W	W	W	14,620	10.6
33	Primary Metal Industries .....	W	W	W	W	49,480	3.9
34	Fabricated Metal Products .....	W	W	W	0	W	11.1
35	Industrial Machinery and Equipment .....	8,813	0	3	0	8,816	14.0
36	Electronic and Other Electric Equipment .....	11,194	0	W	0	W	13.3
37	Transportation Equipment .....	W	W	W	W	11,222	16.4
38	Instruments and Related Products .....	4,049	0	W	0	W	42.7
39	Misc. Manufacturing Industries .....	1,959	0	*	0	1,960	28.0
	<b>Total</b> .....	339,087	7,539	92,015	13,893	424,747	3.3

See footnotes at end of table.



**Table A11. Components of Net Demand for Electricity by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Purchases	Transfers In <sup>b</sup>	Total Onsite Generation <sup>c</sup>	Sales and/or Transfers Offsite	Net Demand for Electricity <sup>d</sup>	RSE Row Factors
West Census Region							
RSE Column Factors:		0.5	1.5	1.5	2.0	0.5	
20	Food and Kindred Products .....	10,449	0	2,535	1,472	11,511	13.0
21	Tobacco Products .....	0	0	0	0	0	0.0
22	Textile Mill Products .....	W	0	W	0	W	33.7
23	Apparel and Other Textile Products .....	654	0	0	0	654	36.3
24	Lumber and Wood Products .....	W	W	1,502	788	7,733	11.8
25	Furniture and Fixtures .....	664	0	0	0	664	34.2
26	Paper and Allied Products .....	W	W	W	W	18,125	8.7
27	Printing and Publishing .....	2,183	0	W	W	W	16.9
28	Chemicals and Allied Products .....	13,426	466	2,198	913	15,176	11.7
29	Petroleum and Coal Products .....	W	W	W	W	10,657	9.9
30	Rubber and Misc. Plastics Products .....	3,749	0	Q	0	3,759	14.9
31	Leather and Leather Products .....	W	0	0	0	W	72.6
32	Stone, Clay and Glass Products .....	6,404	Q	W	W	6,651	15.5
33	Primary Metal Industries .....	W	W	W	W	29,147	4.4
34	Fabricated Metal Products .....	W	W	0	0	3,326	14.9
35	Industrial Machinery and Equipment .....	3,848	2	W	W	W	26.6
36	Electronic and Other Electric Equipment .....	6,027	0	W	0	W	17.1
37	Transportation Equipment .....	6,487	0	51	0	6,538	18.6
38	Instruments and Related Products .....	3,212	0	W	W	3,222	15.9
39	Misc. Manufacturing Industries .....	978	0	0	0	978	49.1
	<b>Total</b> .....	119,930	1,263	17,439	7,914	130,719	4.6

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Transfers In" are the quantities purchased by a central purchasing agent or other establishment of the same company.

<sup>c</sup> "Onsite Generation" includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

<sup>d</sup> "Net Demand" is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

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 A11. Components of Net Demand for Electricity by Industry Group and Selected Industries, 1994: Part 2**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Purchases	Transfers In <sup>b</sup>	Total Onsite Generation <sup>c</sup>	Sales and/or Transfers Offsite	Net Demand for Electricity <sup>d</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.5	1.9	1.4	1.6	0.5	
20	Food and Kindred Products .....	W	W	6,962	1,829	64,877	9.5
2011	Meat Packing Plants .....	3,924	0	6	0	3,930	20.9
2033	Canned Fruits and Vegetables .....	1,490	0	461	58	1,893	18.4
2037	Frozen Fruits and Vegetables .....	W	W	91	0	2,992	15.4
2046	Wet Corn Milling .....	5,175	556	1,665	70	7,327	19.2
2051	Bread, Cake, and Related Products .....	2,436	0	54	0	2,490	19.1
2061	Cane Sugar, Except Refining .....	156	0	851	331	675	11.1
2062	Cane Sugar Refining .....	W	W	311	3	436	26.7
2063	Beet Sugar .....	437	0	W	W	947	4.3
2075	Soybean Oil Mills .....	W	W	W	W	2,248	1.0
2082	Malt Beverages .....	2,323	0	W	W	2,975	5.2
21	Tobacco Products .....	1,259	0	W	W	1,572	24.6
22	Textile Mill Products .....	32,515	177	W	W	33,124	16.6
23	Apparel and Other Textile Products .....	W	W	Q	Q	7,748	22.7
24	Lumber and Wood Products .....	W	W	1,977	1,041	21,767	8.2
2421	Sawmills and Planing Mills, General .....	W	W	1,347	592	7,902	10.3
2436	Softwood Veneer and Plywood .....	W	W	Q	Q	2,881	18.0
2493	Reconstituted Wood Products .....	W	W	139	142	4,592	14.7
25	Furniture and Fixtures .....	6,678	0	W	W	6,671	14.7
2511	Wood Furniture, Except Upholstered .....	2,184	0	68	38	2,214	19.8
26	Paper and Allied Products .....	71,514	735	58,837	9,250	121,835	4.0
2611	Pulp Mills .....	2,560	2	5,649	469	7,743	14.0
2621	Paper Mills .....	37,503	404	33,907	5,837	65,978	6.0
2631	Paperboard Mills .....	16,399	0	19,163	2,919	32,643	3.3
27	Printing and Publishing .....	W	W	W	W	17,422	14.5
28	Chemicals and Allied Products .....	156,267	3,959	46,802	7,744	199,284	6.0
2812	Alkalies and Chlorine .....	W	W	W	W	17,556	7.4
2813	Industrial Gases .....	22,816	709	512	0	24,038	17.3
2816	Inorganic Pigments .....	2,393	*	0	0	2,393	15.3
2819	Industrial Inorganic Chemicals, nec. ....	42,786	75	3,076	622	45,315	20.3
2821	Plastics Materials and Resins .....	16,832	144	4,652	568	21,060	9.3
2822	Synthetic Rubber .....	2,384	93	160	200	2,436	22.5
2823	Cellulosic Manmade Fibers .....	437	0	W	W	898	1.2
2824	Organic Fibers, Noncellulosic .....	W	W	W	W	8,599	7.3
2861	Gum and Wood Chemicals .....	W	W	0	0	211	7.9
2865	Cyclic Crudes and Intermediates .....	4,653	141	818	5	5,607	19.5
2869	Industrial Organic Chemicals, nec. ....	20,528	2,009	25,594	3,751	44,380	9.3
2873	Nitrogenous Fertilizers .....	3,831	0	688	14	4,505	16.5
2874	Phosphatic Fertilizers .....	2,185	0	2,963	1,053	4,095	4.4
2895	Carbon Black .....	571	0	W	W	571	13.9
29	Petroleum and Coal Products .....	W	W	14,550	1,939	49,990	6.0
2911	Petroleum Refining .....	W	W	13,859	1,435	47,194	5.8
30	Rubber and Misc. Plastics Products .....	43,732	Q	118	29	43,865	11.8
3011	Tires and Inner Tubes .....	4,664	0	0	0	4,664	8.2
308	Miscellaneous Plastics Products, nec. ....	33,988	*	110	Q	34,071	12.8
31	Leather and Leather Products .....	827	0	W	W	834	23.9
32	Stone, Clay and Glass Products .....	W	W	W	W	36,386	12.5
3211	Flat Glass .....	1,468	0	1	0	1,469	21.0
3221	Glass Containers .....	4,268	0	0	0	4,268	8.2
3229	Pressed and Blown Glass, nec. ....	W	W	W	W	3,235	11.5
3241	Cement, Hydraulic .....	10,789	0	273	5	11,057	17.6
3274	Lime .....	1,151	0	0	0	1,151	24.7
3296	Mineral Wool .....	3,386	Q	0	0	3,401	14.4
33	Primary Metal Industries .....	W	W	8,284	5,137	152,740	2.8
331	Blast Furnace and Basic Steel Products .....	55,214	0	W	W	59,978	8.9
3312	Blast Furnaces and Steel Mills .....	45,463	0	W	W	50,228	7.9
3313	Electrometallurgical Products .....	4,797	0	0	Q	4,796	68.0
3321	Gray and Ductile Iron Foundries .....	W	W	Q	0	8,823	16.2
3331	Primary Copper .....	W	W	626	0	2,207	1.1
3334	Primary Aluminum .....	W	W	0	W	W	1.1
3339	Primary Nonferrous Metals, nec. ....	4,205	0	W	W	5,073	18.1
3353	Aluminum Sheet, Plate, and Foil .....	W	W	0	0	4,835	7.5

See footnotes at end of table.

**Table A11. Components of Net Demand for Electricity by Industry Group and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Purchases	Transfers In <sup>b</sup>	Total Onsite Generation <sup>c</sup>	Sales and/or Transfers Offsite	Net Demand for Electricity <sup>d</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.5	1.9	1.4	1.6	0.5	
34	Fabricated Metal Products .....	33,833	68	W	W	34,387	16.0
35	Industrial Machinery and Equipment .....	W	W	W	W	32,203	15.3
357	Computer and Office Equipment .....	4,178	2	1	0	4,180	26.8
36	Electronic and Other Electric Equipment .....	W	W	W	W	33,219	14.3
37	Transportation Equipment .....	W	W	744	225	39,517	10.9
3711	Motor Vehicles and Car Bodies .....	8,863	0	W	W	8,846	23.6
3714	Motor Vehicle Parts and Accessories .....	W	W	189	136	13,606	16.6
38	Instruments and Related Products .....	13,494	0	1,338	15	14,817	20.0
3841	Surgical and Medical Instruments .....	1,347	0	0	0	1,347	16.5
39	Misc. Manufacturing Industries .....	5,575	0	*	0	5,576	19.1
	<b>Total .....</b>	<b>788,070</b>	<b>15,533</b>	<b>142,450</b>	<b>28,221</b>	<b>917,832</b>	<b>2.2</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Transfers In" are the quantities purchased by a central purchasing agent or other establishment of the same company.

<sup>c</sup> "Onsite Generation" includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

<sup>d</sup> "Net Demand" is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

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 A12. Components of Onsite Electricity Generation by Census Region and Industry Group, 1994: Part 1**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Cogeneration <sup>b</sup>	Renewables (excluding Wood and Other Biomass) <sup>c</sup>	Other <sup>d</sup>	RSE Row Factors
Total United States						
<b>RSE Column Factors:</b>		0.8	0.8	1.6	1.0	
20	Food and Kindred Products .....	6,962	6,754	90	118	11.2
21	Tobacco Products .....	W	W	0	0	40.3
22	Textile Mill Products .....	W	510	W	0	37.9
23	Apparel and Other Textile Products .....	Q	Q	0	0	0.0
24	Lumber and Wood Products .....	1,977	1,930	Q	Q	18.2
25	Furniture and Fixtures .....	W	W	0	0	33.8
26	Paper and Allied Products .....	58,837	50,936	2,480	5,421	4.9
27	Printing and Publishing .....	W	W	0	*	53.9
28	Chemicals and Allied Products .....	46,802	44,181	0	2,620	8.6
29	Petroleum and Coal Products .....	14,550	14,225	0	324	8.5
30	Rubber and Misc. Plastics Products .....	118	116	2	*	28.5
31	Leather and Leather Products .....	W	W	W	0	60.9
32	Stone, Clay and Glass Products .....	W	357	0	W	33.1
33	Primary Metal Industries .....	8,284	5,643	W	W	14.3
34	Fabricated Metal Products .....	W	W	0	W	47.6
35	Industrial Machinery and Equipment .....	W	153	W	13	30.8
36	Electronic and Other Electric Equipment .....	W	Q	W	W	25.8
37	Transportation Equipment .....	744	741	0	3	21.5
38	Instruments and Related Products .....	1,338	1,325	W	W	37.8
39	Misc. Manufacturing Industries .....	*	*	0	0	59.8
	<b>Total</b> .....	142,450	127,847	2,952	11,650	4.6
Northeast Census Region						
<b>RSE Column Factors:</b>		0.8	0.8	1.3	1.2	
20	Food and Kindred Products .....	W	358	0	W	24.2
21	Tobacco Products .....	0	0	0	0	0.0
22	Textile Mill Products .....	W	W	0	0	26.6
23	Apparel and Other Textile Products .....	0	0	0	0	0.0
24	Lumber and Wood Products .....	90	90	0	0	49.6
25	Furniture and Fixtures .....	W	W	0	0	37.5
26	Paper and Allied Products .....	W	7,612	W	W	9.3
27	Printing and Publishing .....	W	W	0	0	0.0
28	Chemicals and Allied Products .....	W	1,079	0	W	16.6
29	Petroleum and Coal Products .....	W	837	0	W	15.4
30	Rubber and Misc. Plastics Products .....	55	54	2	0	34.3
31	Leather and Leather Products .....	W	0	W	0	0.0
32	Stone, Clay and Glass Products .....	W	W	0	0	37.5
33	Primary Metal Industries .....	1,793	356	W	W	22.1
34	Fabricated Metal Products .....	W	W	0	W	44.7
35	Industrial Machinery and Equipment .....	W	74	W	0	43.7
36	Electronic and Other Electric Equipment .....	*	0	0	*	45.3
37	Transportation Equipment .....	W	W	0	0	27.8
38	Instruments and Related Products .....	W	1,311	W	W	38.3
39	Misc. Manufacturing Industries .....	0	0	0	0	0.0
	<b>Total</b> .....	16,663	12,462	1,832	2,369	9.7

See footnotes at end of table.

**Table A12. Components of Onsite Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Cogeneration <sup>b</sup>	Renewables (excluding Wood and Other Biomass) <sup>c</sup>	Other <sup>d</sup>	RSE Row Factors
Midwest Census Region						
<b>RSE Column Factors:</b>		0.9	0.9	1.1	1.2	
20	Food and Kindred Products .....	W	2,662	0	W	13.7
21	Tobacco Products .....	0	0	0	0	0.0
22	Textile Mill Products .....	0	0	0	0	0.0
23	Apparel and Other Textile Products .....	Q	Q	0	0	0.0
24	Lumber and Wood Products .....	159	158	0	Q	27.9
25	Furniture and Fixtures .....	W	W	0	0	42.1
26	Paper and Allied Products .....	6,914	5,991	480	442	7.7
27	Printing and Publishing .....	0	0	0	0	0.0
28	Chemicals and Allied Products .....	W	1,230	0	W	10.9
29	Petroleum and Coal Products .....	W	1,001	0	W	14.1
30	Rubber and Misc. Plastics Products .....	52	52	0	0	42.1
31	Leather and Leather Products .....	W	W	0	0	57.0
32	Stone, Clay and Glass Products .....	W	W	0	W	37.6
33	Primary Metal Industries .....	3,817	2,753	0	1,064	15.5
34	Fabricated Metal Products .....	W	2	0	W	47.8
35	Industrial Machinery and Equipment .....	W	W	0	W	30.6
36	Electronic and Other Electric Equipment .....	W	W	0	W	34.4
37	Transportation Equipment .....	190	189	0	1	38.3
38	Instruments and Related Products .....	W	W	0	0	45.6
39	Misc. Manufacturing Industries .....	0	0	0	0	0.0
	<b>Total .....</b>	<b>16,333</b>	<b>14,256</b>	<b>480</b>	<b>1,598</b>	<b>6.7</b>
South Census Region						
<b>RSE Column Factors:</b>		0.7	0.7	1.8	1.1	
20	Food and Kindred Products .....	1,397	1,342	W	W	14.5
21	Tobacco Products .....	W	W	0	0	43.2
22	Textile Mill Products .....	W	W	W	0	41.7
23	Apparel and Other Textile Products .....	0	0	0	0	0.0
24	Lumber and Wood Products .....	226	226	0	0	30.7
25	Furniture and Fixtures .....	32	32	0	0	55.8
26	Paper and Allied Products .....	36,231	31,469	W	W	5.6
27	Printing and Publishing .....	W	*	0	W	63.4
28	Chemicals and Allied Products .....	42,162	39,709	0	2,452	9.5
29	Petroleum and Coal Products .....	8,870	8,758	0	112	15.5
30	Rubber and Misc. Plastics Products .....	*	0	0	*	0.0
31	Leather and Leather Products .....	0	0	0	0	0.0
32	Stone, Clay and Glass Products .....	W	0	0	W	20.8
33	Primary Metal Industries .....	W	1,889	0	W	23.9
34	Fabricated Metal Products .....	W	W	0	0	0.0
35	Industrial Machinery and Equipment .....	3	W	*	W	38.8
36	Electronic and Other Electric Equipment .....	W	W	0	W	29.4
37	Transportation Equipment .....	W	W	0	W	36.5
38	Instruments and Related Products .....	W	W	0	0	57.1
39	Misc. Manufacturing Industries .....	*	*	0	0	64.1
	<b>Total .....</b>	<b>92,015</b>	<b>84,606</b>	<b>21</b>	<b>7,388</b>	<b>6.6</b>

See footnotes at end of table.

**Table A12. Components of Onsite Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Cogeneration <sup>b</sup>	Renewables (excluding Wood and Other Biomass) <sup>c</sup>	Other <sup>d</sup>	RSE Row Factors
West Census Region						
RSE Column Factors:		0.9	0.9	1.6	0.8	
20	Food and Kindred Products .....	2,535	2,391	W	W	18.2
21	Tobacco Products .....	0	0	0	0	0.0
22	Textile Mill Products .....	W	W	0	0	44.2
23	Apparel and Other Textile Products .....	0	0	0	0	0.0
24	Lumber and Wood Products .....	1,502	1,456	Q	*	19.8
25	Furniture and Fixtures .....	0	0	0	0	0.0
26	Paper and Allied Products .....	W	5,864	W	W	10.7
27	Printing and Publishing .....	W	W	0	W	50.0
28	Chemicals and Allied Products .....	2,198	2,164	0	34	19.0
29	Petroleum and Coal Products .....	W	3,630	0	W	13.8
30	Rubber and Misc. Plastics Products .....	Q	Q	0	0	0.0
31	Leather and Leather Products .....	0	0	0	0	0.0
32	Stone, Clay and Glass Products .....	W	237	0	W	42.4
33	Primary Metal Industries .....	W	645	0	W	7.9
34	Fabricated Metal Products .....	0	0	0	0	0.0
35	Industrial Machinery and Equipment .....	W	0	304	W	38.3
36	Electronic and Other Electric Equipment .....	W	W	W	W	0.0
37	Transportation Equipment .....	51	W	0	W	36.3
38	Instruments and Related Products .....	W	W	0	*	52.8
39	Misc. Manufacturing Industries .....	0	0	0	0	0.0
	<b>Total</b> .....	17,439	16,524	619	296	8.0

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> Cogeneration includes electricity generated from fossil fuels, such as natural gas, fuel oils, and coal; wood; and other biomass.

<sup>c</sup> Renewable energy includes solar power, wind power, hydropower, and geothermal power.

<sup>d</sup> "Other" is that electricity obtained from a generator fueled by combustible energy sources, such as diesel fuels or other fuel oils.

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 A12. Components of Onsite Electricity Generation by Industry Group and Selected Industries, 1994: Part 2**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Cogeneration <sup>b</sup>	Renewables (excluding Wood and Other Biomass) <sup>c</sup>	Other <sup>d</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.8	0.8	1.6	1.0	
20	Food and Kindred Products .....	6,962	6,754	90	118	11.2
2011	Meat Packing Plants .....	6	W	0	W	48.0
2033	Canned Fruits and Vegetables .....	461	432	0	30	38.4
2037	Frozen Fruits and Vegetables .....	91	W	0	W	30.2
2046	Wet Corn Milling .....	1,665	1,665	0	0	24.2
2051	Bread, Cake, and Related Products .....	54	54	0	*	44.5
2061	Cane Sugar, Except Refining .....	851	747	W	W	14.7
2062	Cane Sugar Refining .....	311	311	0	0	25.4
2063	Beet Sugar .....	W	474	0	W	4.4
2075	Soybean Oil Mills .....	W	W	0	0	1.3
2082	Malt Beverages .....	W	644	0	W	4.7
21	Tobacco Products .....	W	W	0	0	39.4
22	Textile Mill Products .....	W	510	W	0	37.5
23	Apparel and Other Textile Products .....	Q	Q	0	0	0.0
24	Lumber and Wood Products .....	1,977	1,930	Q	Q	17.8
2421	Sawmills and Planing Mills, General .....	1,347	1,346	0	Q	15.3
2436	Softwood Veneer and Plywood .....	Q	Q	13	0	23.4
2493	Reconstituted Wood Products .....	139	139	0	*	28.5
25	Furniture and Fixtures .....	W	W	0	0	33.1
2511	Wood Furniture, Except Upholstered .....	68	68	0	0	38.2
26	Paper and Allied Products .....	58,837	50,936	2,480	5,421	4.9
2611	Pulp Mills .....	5,649	5,552	97	0	13.5
2621	Paper Mills .....	33,907	29,574	2,349	1,984	6.8
2631	Paperboard Mills .....	19,163	15,696	W	W	4.7
27	Printing and Publishing .....	W	W	0	*	52.8
28	Chemicals and Allied Products .....	46,802	44,181	0	2,620	8.6
2812	Alkalies and Chlorine .....	W	W	0	0	12.7
2813	Industrial Gases .....	512	512	0	0	38.2
2816	Inorganic Pigments .....	0	0	0	0	0.0
2819	Industrial Inorganic Chemicals, nec. ....	3,076	2,794	0	283	29.9
2821	Plastics Materials and Resins .....	4,652	4,616	0	36	16.3
2822	Synthetic Rubber .....	160	160	0	0	38.2
2823	Cellulosic Manmade Fibers .....	W	W	0	0	1.3
2824	Organic Fibers, Noncellulosic .....	W	1,444	0	W	14.2
2861	Gum and Wood Chemicals .....	0	0	0	0	0.0
2865	Cyclic Crudes and Intermediates .....	818	817	0	1	32.3
2869	Industrial Organic Chemicals, nec. ....	25,594	23,522	0	2,072	12.3
2873	Nitrogenous Fertilizers .....	688	653	0	35	25.4
2874	Phosphatic Fertilizers .....	2,963	2,963	0	0	5.1
2895	Carbon Black .....	W	W	0	0	25.4
29	Petroleum and Coal Products .....	14,550	14,225	0	324	8.4
2911	Petroleum Refining .....	13,859	13,583	0	276	7.3
30	Rubber and Misc. Plastics Products .....	118	116	2	*	28.3
3011	Tires and Inner Tubes .....	0	0	0	0	0.0
308	Miscellaneous Plastics Products, nec. ....	110	110	0	*	31.8
31	Leather and Leather Products .....	W	W	W	0	59.7
32	Stone, Clay and Glass Products .....	W	357	0	W	32.4
3211	Flat Glass .....	1	0	0	1	33.5
3221	Glass Containers .....	0	0	0	0	0.0
3229	Pressed and Blown Glass, nec. ....	W	0	0	W	22.3
3241	Cement, Hydraulic .....	273	273	0	0	42.0
3274	Lime .....	0	0	0	0	0.0
3296	Mineral Wool .....	0	0	0	0	0.0
33	Primary Metal Industries .....	8,284	5,643	W	W	14.3
331	Blast Furnace and Basic Steel Products ...	W	5,172	0	W	14.1
3312	Blast Furnaces and Steel Mills .....	W	5,172	0	W	14.1
3313	Electrometallurgical Products .....	0	0	0	0	0.0
3321	Gray and Ductile Iron Foundries .....	Q	W	0	W	38.2
3331	Primary Copper .....	626	W	0	W	1.2
3334	Primary Aluminum .....	0	0	0	0	0.0
3339	Primary Nonferrous Metals, nec. ....	W	W	0	W	31.7
3353	Aluminum Sheet, Plate, and Foil .....	0	0	0	0	0.0

See footnotes at end of table.

**Table A12. Components of Onsite Electricity Generation by Industry Group and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Cogeneration <sup>b</sup>	Renewables (excluding Wood and Other Biomass) <sup>c</sup>	Other <sup>d</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.8	0.8	1.6	1.0	
34	Fabricated Metal Products . . . . .	W	W	0	W	47.3
35	Industrial Machinery and Equipment . . . . .	W	153	W	13	30.8
357	Computer and Office Equipment . . . . .	1	0	*	1	41.2
36	Electronic and Other Electric Equipment . . . . .	W	Q	W	W	26.4
37	Transportation Equipment . . . . .	744	741	0	3	21.3
3711	Motor Vehicles and Car Bodies . . . . .	W	W	0	0	43.3
3714	Motor Vehicle Parts and Accessories . . . . .	189	189	0	*	52.2
38	Instruments and Related Products . . . . .	1,338	1,325	W	W	37.8
3841	Surgical and Medical Instruments . . . . .	0	0	0	0	0.0
39	Misc. Manufacturing Industries . . . . .	*	*	0	0	58.5
<b>Total</b> . . . . .		142,450	127,847	2,952	11,650	4.6

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> Cogeneration includes electricity generated from fossil fuels, such as natural gas, fuel oils, and coal; wood; and other biomass.

<sup>c</sup> Renewable energy includes solar power, wind power, hydropower, and geothermal power.

<sup>d</sup> "Other" is that electricity obtained from a generator fueled by combustible energy sources, such as diesel fuels or other fuel oils.

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 A13. Onsite Electricity Cogeneration by Cogeneration Technologies, Industry Group, and Selected Industries, 1994: Part 1**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup> Industry Group and Industry		Cogeneration	Cogeneration Technologies <sup>b</sup>							RSE Row Factors	
			Steam Turbines Supplied by Bed Boilers	Conventional Combustion Turbines with HR	Combined-Cycle Combustion Turbines	Internal Combustion Engines with HR	Steam Turbines Supplied by HR from HT Processes	Other	Combination of Two or More		Unknown or Unreported
RSE Column Factors:		0.6	0.7	0.9	2.0	1.2	1.2	1.2	0.7	1.2	
20	Food and Kindred Products . . . . .	6,754	3,370	849	115	206	32	1,016	865	300	20.9
2011	Meat Packing Plants . . . . .	W	W	0	0	0	0	0	0	0	47.7
2033	Canned Fruits and Vegetables . . . . .	432	0	371	0	0	0	W	W	0	44.0
2037	Frozen Fruits and Vegetables . . . . .	W	W	0	0	1	0	0	W	39	37.0
2046	Wet Corn Milling . . . . .	1,665	1,453	W	0	0	0	0	W	0	33.2
2051	Bread, Cake, and Related Products . . . . .	54	0	W	0	W	0	0	0	0	46.3
2061	Cane Sugar, Except Refining . . . . .	747	543	0	0	0	5	48	W	56	22.2
2062	Cane Sugar Refining . . . . .	311	220	0	0	0	0	0	W	41	43.0
2063	Beet Sugar . . . . .	474	308	0	0	0	0	W	W	63	6.5
2075	Soybean Oil Mills . . . . .	W	W	W	0	W	0	W	0	0	1.1
2082	Malt Beverages . . . . .	644	W	W	0	0	0	0	W	0	4.8
21	Tobacco Products . . . . .	W	W	0	0	0	0	0	0	0	47.7
22	Textile Mill Products . . . . .	510	W	0	0	W	W	W	W	0	32.7
23	Apparel and Other Textile Products . . . . .	Q	0	0	0	0	0	0	Q	0	0.0
24	Lumber and Wood Products . . . . .	1,930	1,535	0	0	5	Q	W	287	47	29.9
2421	Sawmills and Planing Mills, General . . . . .	1,346	W	0	0	5	0	W	198	47	28.9
2436	Softwood Veneer and Plywood . . . . .	Q	Q	0	0	0	0	0	Q	0	0.0
2493	Reconstituted Wood Products . . . . .	139	138	0	0	0	0	0	0	*	41.5
25	Furniture and Fixtures . . . . .	W	W	0	0	0	0	25	W	Q	48.3
2511	Wood Furniture, Except Upholstered . . . . .	68	W	0	0	0	0	Q	W	Q	53.5
26	Paper and Allied Products . . . . .	50,936	30,917	2,199	573	W	1,680	W	11,662	1,650	7.9
2611	Pulp Mills . . . . .	5,552	3,938	0	0	0	W	275	W	125	22.8
2621	Paper Mills . . . . .	29,574	16,338	W	W	0	530	W	9,510	895	12.3
2631	Paperboard Mills . . . . .	15,696	10,540	W	W	0	W	1,914	W	630	7.6
27	Printing and Publishing . . . . .	W	0	W	0	W	0	*	0	0	50.1
28	Chemicals and Allied Products . . . . .	44,181	4,629	W	0	W	1,683	W	34,338	631	11.9
2812	Alkalies and Chlorine . . . . .	W	W	W	0	0	0	0	W	0	17.3
2813	Industrial Gases . . . . .	512	0	0	0	0	256	0	256	0	47.6
2816	Inorganic Pigments . . . . .	0	0	0	0	0	0	0	0	0	0.0
2819	Industrial Inorganic Chemicals, nec. . . . .	2,794	1,011	W	0	W	W	W	Q	363	24.7
2821	Plastics Materials and Resins . . . . .	4,616	200	W	0	0	0	0	W	0	23.4
2822	Synthetic Rubber . . . . .	160	160	0	0	0	0	0	0	0	46.2
2823	Cellulosic Manmade Fibers . . . . .	W	W	0	0	0	0	0	0	0	1.5
2824	Organic Fibers, Noncellulosic . . . . .	1,444	W	0	0	0	0	W	W	0	15.9
2861	Gum and Wood Chemicals . . . . .	0	0	0	0	0	0	0	0	0	0.0
2865	Cyclic Crudes and Intermediates . . . . .	817	45	27	0	0	35	0	710	0	38.8
2869	Industrial Organic Chemicals, nec. . . . .	23,522	727	W	0	0	W	W	21,072	10	18.8
2873	Nitrogenous Fertilizers . . . . .	653	0	213	0	0	0	0	440	0	32.3
2874	Phosphatic Fertilizers . . . . .	2,963	0	0	0	0	W	0	2,121	187	6.4
2895	Carbon Black . . . . .	W	W	0	0	0	0	0	0	0	30.8
29	Petroleum and Coal Products . . . . .	14,225	W	754	0	0	698	W	12,103	547	13.4
2911	Petroleum Refining . . . . .	13,583	W	754	0	0	W	W	12,103	542	12.7
30	Rubber and Misc. Plastics Products . . . . .	116	51	0	0	38	Q	Q	0	0	40.1
3011	Tires and Inner Tubes . . . . .	0	0	0	0	0	0	0	0	0	0.0
308	Miscellaneous Plastics Products, nec. . . . .	110	45	0	0	38	Q	Q	0	0	41.8
31	Leather and Leather Products . . . . .	W	W	0	0	0	0	0	0	0	76.9
32	Stone, Clay and Glass Products . . . . .	357	W	W	0	W	W	0	0	36	39.4
3211	Flat Glass . . . . .	0	0	0	0	0	0	0	0	0	0.0
3221	Glass Containers . . . . .	0	0	0	0	0	0	0	0	0	0.0
3229	Pressed and Blown Glass, nec. . . . .	0	0	0	0	0	0	0	0	0	0.0
3241	Cement, Hydraulic . . . . .	273	0	0	0	W	W	0	0	0	39.9
3274	Lime . . . . .	0	0	0	0	0	0	0	0	0	0.0
3296	Mineral Wool . . . . .	0	0	0	0	0	0	0	0	0	0.0
33	Primary Metal Industries . . . . .	5,643	3,728	W	0	0	W	W	W	1,361	13.4
331	Blast Furnace and Basic Steel Products . . . . .	5,172	3,728	0	0	0	W	W	0	1,361	20.5
3312	Blast Furnaces and Steel Mills . . . . .	5,172	3,728	0	0	0	W	W	0	1,361	20.5
3313	Electrometallurgical Products . . . . .	0	0	0	0	0	0	0	0	0	0.0
3321	Gray and Ductile Iron Foundries . . . . .	W	0	0	0	0	0	W	0	0	0.0
3331	Primary Copper . . . . .	W	0	0	0	0	W	0	W	0	1.3
3334	Primary Aluminum . . . . .	0	0	0	0	0	0	0	0	0	0.0
3339	Primary Nonferrous Metals, nec. . . . .	W	0	W	0	0	0	0	0	0	38.9
3353	Aluminum Sheet, Plate, and Foil . . . . .	0	0	0	0	0	0	0	0	0	0.0
34	Fabricated Metal Products . . . . .	W	W	0	0	0	0	W	0	0	63.1
35	Industrial Machinery and Equipment . . . . .	153	W	0	0	W	0	W	0	0	36.9
357	Computer and Office Equipment . . . . .	0	0	0	0	0	0	0	0	0	0.0
36	Electronic and Other Electric Equipment . . . . .	Q	0	0	0	Q	0	W	*	Q	0.0

See footnotes at end of table.

**Table A13. Onsite Electricity Cogeneration by Cogeneration Technologies, Industry Group, and Selected Industries, 1994: Part 1 (Continued)**  
(Estimates in Million Kilowatthours)

			Cogeneration Technologies <sup>b</sup>								RSE Row Factors
SIC Code <sup>a</sup>	Industry Group and Industry		Cogeneration	Steam Turbines Supplied by Bed Boilers	Conven- tional Combustion Turbines with HR	Combined- Cycle Combustion Turbines	Internal Combustion Engines with HR	Steam Turbines Supplied by HR from HT Processes	Other	Combination of Two or More	
RSE Column Factors:		0.6	0.7	0.9	2.0	1.2	1.2	1.2	0.7	1.2	
37	Transportation Equipment .....	741	190	26	0	0	0	W	501	Q	37.4
3711	Motor Vehicles and Car Bodies .....	W	0	0	0	0	0	W	0	0	40.5
3714	Motor Vehicle Parts and Accessories .....	189	W	W	0	0	0	0	0	0	56.3
38	Instruments and Related Products .....	1,325	4	0	0	W	0	W	1,304	0	54.1
3841	Surgical and Medical Instruments .....	0	0	0	0	0	0	0	0	0	0.0
39	Misc. Manufacturing Industries .....	*	0	0	0	0	0	*	0	0	54.7
Total .....		127,847	45,691	6,876	688	397	4,479	3,742	61,319	4,655	7.6

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> If only one cogeneration technology was in place at an establishment, it was assumed that all cogenerated electricity was produced via that technology.

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. • HR = heat recovery. • HT = high temperature.

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 A13. Number of Establishments by Onsite Electricity Cogeneration, by Cogeneration Technologies, Industry Group, and Selected Industries, 1994: Part 2**

			Cogeneration Technologies <sup>c</sup>								RSE Row Factors
			Steam Turbines Supplied by Bed Boilers	Conven- tional Combustion Turbines with HR	Combined- Cycle Combustion Turbines	Internal Combustion Engines with HR	Steam Turbines Supplied by HR from HT Processes	Other	Combination of Two or More	Unknown or Unreported	
SIC Code <sup>a</sup>	Industry Group and Industry	With Onsite Cogeneration <sup>b</sup>									
RSE Column Factors:		0.6	0.6	1.0	1.8	1.1	1.1	1.3	0.8	1.4	
20	Food and Kindred Products . . . . .	217	93	27	4	41	4	19	15	14	15.3
2011	Meat Packing Plants . . . . .	W	W	0	0	0	0	0	0	0	37.3
2033	Canned Fruits and Vegetables . . . . .	8	0	W	0	0	0	5	W	0	37.2
2037	Frozen Fruits and Vegetables . . . . .	Q	W	0	0	W	0	0	W	W	0.0
2046	Wet Corn Milling . . . . .	13	7	3	0	0	0	0	3	0	23.2
2051	Bread, Cake, and Related Products . . . . .	17	0	7	0	Q	0	0	0	0	44.8
2061	Cane Sugar, Except Refining . . . . .	26	18	0	0	0	W	3	W	W	14.2
2062	Cane Sugar Refining . . . . .	12	9	0	0	0	0	0	W	W	26.3
2063	Beet Sugar . . . . .	27	19	0	0	0	0	W	W	W	4.6
2075	Soybean Oil Mills . . . . .	18	9	W	0	W	0	W	0	0	1.2
2082	Malt Beverages . . . . .	21	15	W	0	0	0	0	W	0	13.7
21	Tobacco Products . . . . .	10	10	0	0	0	0	0	0	0	15.3
22	Textile Mill Products . . . . .	22	11	0	0	5	W	W	W	0	31.7
23	Apparel and Other Textile Products . . . . .	W	0	0	0	0	0	0	W	0	0.0
24	Lumber and Wood Products . . . . .	192	95	0	0	W	W	76	9	Q	30.6
2421	Sawmills and Planing Mills, General . . . . .	123	41	0	0	W	0	Q	3	W	41.5
2436	Softwood Veneer and Plywood . . . . .	17	11	0	0	0	0	0	6	0	34.5
2493	Reconstituted Wood Products . . . . .	Q	W	0	0	0	0	0	0	W	0.0
25	Furniture and Fixtures . . . . .	30	11	0	0	0	0	16	W	W	40.2
2511	Wood Furniture, Except Upholstered . . . . .	21	4	0	0	0	0	13	W	W	45.6
26	Paper and Allied Products . . . . .	265	162	14	4	W	15	17	38	W	5.2
2611	Pulp Mills . . . . .	27	17	0	0	0	W	3	3	W	12.3
2621	Paper Mills . . . . .	139	87	9	W	0	5	3	27	W	7.8
2631	Paperboard Mills . . . . .	90	55	W	W	0	8	9	8	5	4.8
27	Printing and Publishing . . . . .	5	0	W	0	W	0	W	0	0	32.9
28	Chemicals and Allied Products . . . . .	208	63	26	0	W	16	19	77	W	11.9
2812	Alkalies and Chlorine . . . . .	5	W	W	0	0	0	0	W	0	12.8
2813	Industrial Gases . . . . .	5	0	0	0	0	W	0	W	0	25.2
2816	Inorganic Pigments . . . . .	0	0	0	0	0	0	0	0	0	0.0
2819	Industrial Inorganic Chemicals, nec. . . . .	41	12	W	0	W	3	W	18	W	24.5
2821	Plastics Materials and Resins . . . . .	13	7	3	0	0	0	0	3	0	15.0
2822	Synthetic Rubber . . . . .	5	5	0	0	0	0	0	0	0	35.6
2823	Cellulosic Manmade Fibers . . . . .	4	4	0	0	0	0	0	0	0	1.7
2824	Organic Fibers, Noncellulosic . . . . .	12	7	0	0	0	0	W	W	0	10.4
2861	Gum and Wood Chemicals . . . . .	0	0	0	0	0	0	0	0	0	0.0
2865	Cyclic Crudes and Intermediates . . . . .	9	W	W	0	0	W	0	4	0	26.7
2869	Industrial Organic Chemicals, nec. . . . .	32	6	W	0	0	W	W	18	W	17.4
2873	Nitrogenous Fertilizers . . . . .	9	0	3	0	0	0	0	6	0	21.4
2874	Phosphatic Fertilizers . . . . .	19	0	0	0	0	W	0	11	W	4.1
2895	Carbon Black . . . . .	W	W	0	0	0	0	0	0	0	25.4
29	Petroleum and Coal Products . . . . .	70	4	7	0	0	8	Q	32	13	12.6
2911	Petroleum Refining . . . . .	55	4	7	0	0	3	W	32	W	7.5
30	Rubber and Misc. Plastics Products . . . . .	34	W	0	0	4	W	16	0	0	37.3
3011	Tires and Inner Tubes . . . . .	0	0	0	0	0	0	0	0	0	0.0
308	Miscellaneous Plastics Products, nec. . . . .	33	W	0	0	4	W	16	0	0	38.8
31	Leather and Leather Products . . . . .	W	W	0	0	0	0	0	0	0	71.2
32	Stone, Clay and Glass Products . . . . .	16	W	W	0	W	W	0	0	8	39.3
3211	Flat Glass . . . . .	0	0	0	0	0	0	0	0	0	0.0
3221	Glass Containers . . . . .	0	0	0	0	0	0	0	0	0	0.0
3229	Pressed and Blown Glass, nec. . . . .	0	0	0	0	0	0	0	0	0	0.0
3241	Cement, Hydraulic . . . . .	6	0	0	0	W	W	0	0	0	32.5
3274	Lime . . . . .	0	0	0	0	0	0	0	0	0	0.0
3296	Mineral Wool . . . . .	0	0	0	0	0	0	0	0	0	0.0
33	Primary Metal Industries . . . . .	48	20	3	0	0	W	14	W	5	11.2
331	Blast Furnace and Basic Steel Products . . . . .	28	20	0	0	0	W	W	0	5	11.7
3312	Blast Furnaces and Steel Mills . . . . .	28	20	0	0	0	W	W	0	5	11.7
3313	Electrometallurgical Products . . . . .	0	0	0	0	0	0	0	0	0	0.0
3321	Gray and Ductile Iron Foundries . . . . .	W	0	0	0	0	0	W	0	0	0.0
3331	Primary Copper . . . . .	6	0	0	0	0	W	0	W	0	1.3
3334	Primary Aluminum . . . . .	0	0	0	0	0	0	0	0	0	0.0
3339	Primary Nonferrous Metals, nec. . . . .	W	0	W	0	0	0	0	0	0	44.2
3353	Aluminum Sheet, Plate, and Foil . . . . .	0	0	0	0	0	0	0	0	0	0.0
34	Fabricated Metal Products . . . . .	W	W	0	0	0	0	W	0	0	36.4
35	Industrial Machinery and Equipment . . . . .	14	W	0	0	W	0	7	0	0	26.3
357	Computer and Office Equipment . . . . .	0	0	0	0	0	0	0	0	0	0.0
36	Electronic and Other Electric Equipment . . . . .	W	0	0	0	W	0	W	W	W	66.1

See footnotes at end of table.

**Table A13. Number of Establishments by Onsite Electricity Cogeneration, by Cogeneration Technologies, Industry Group, and Selected Industries, 1994: Part 2 (Continued)**

			Cogeneration Technologies <sup>c</sup>								RSE Row Factors
			Steam Turbines Supplied by Bed Boilers	Conventional Combustion Turbines with HR	Combined-Cycle Combustion Turbines	Internal Combustion Engines with HR	Steam Turbines Supplied by HR from HT Processes	Other	Combination of Two or More	Unknown or Unreported	
SIC Code <sup>a</sup>	Industry Group and Industry	With Onsite Cogeneration <sup>b</sup>									
RSE Column Factors:		0.6	0.6	1.0	1.8	1.1	1.1	1.3	0.8	1.4	
37	Transportation Equipment .....	13	3	3	0	0	0	W	4	W	31.5
3711	Motor Vehicles and Car Bodies .....	W	0	0	0	0	0	W	0	0	0.0
3714	Motor Vehicle Parts and Accessories .....	W	W	W	0	0	0	0	0	0	49.9
38	Instruments and Related Products .....	12	W	0	0	W	0	8	W	0	45.8
3841	Surgical and Medical Instruments .....	0	0	0	0	0	0	0	0	0	0.0
39	Misc. Manufacturing Industries .....	W	0	0	0	0	0	W	0	0	39.1
Total .....		1,306	490	81	8	69	64	228	243	122	12.1

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> 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.

<sup>c</sup> For one or more cogeneration technologies to be considered in place at an establishment, then there must have been some nonzero quantity of cogenerated electricity produced onsite.

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. • HR = heat recovery. • HT = high temperature.

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 A14. Quantity of Electricity Sold to Utility and Nonutility Purchasers by Census Region and Industry Group, 1994: Part 1**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total Sold	Utility Purchaser <sup>b</sup>	Nonutility Purchaser <sup>c</sup>	RSE Row Factors
Total United States					
RSE Column Factors:		0.9	1.0	1.0	
20	Food and Kindred Products .....	1,829	W	W	28.0
21	Tobacco Products .....	W	W	0	34.7
22	Textile Mill Products .....	W	W	W	37.2
23	Apparel and Other Textile Products .....	Q	0	Q	0.0
24	Lumber and Wood Products .....	1,041	1,008	33	22.0
25	Furniture and Fixtures .....	W	38	W	40.8
26	Paper and Allied Products .....	9,250	8,061	1,188	6.9
27	Printing and Publishing .....	W	W	W	40.8
28	Chemicals and Allied Products .....	7,744	4,902	2,842	7.6
29	Petroleum and Coal Products .....	1,939	1,350	589	9.4
30	Rubber and Misc. Plastics Products .....	29	1	Q	42.9
31	Leather and Leather Products .....	W	W	0	0.0
32	Stone, Clay and Glass Products .....	W	W	W	29.1
33	Primary Metal Industries .....	5,137	W	W	6.5
34	Fabricated Metal Products .....	W	W	W	36.1
35	Industrial Machinery and Equipment .....	W	W	W	43.4
36	Electronic and Other Electric Equipment .....	W	0	W	44.8
37	Transportation Equipment .....	225	W	W	19.0
38	Instruments and Related Products .....	15	Q	15	34.1
39	Misc. Manufacturing Industries .....	0	0	0	0.0
<b>Total</b> .....		28,221	21,909	6,312	4.6
Northeast Census Region					
RSE Column Factors:		1.0	1.0	1.0	
20	Food and Kindred Products .....	W	W	W	26.2
21	Tobacco Products .....	0	0	0	0.0
22	Textile Mill Products .....	W	0	W	33.5
23	Apparel and Other Textile Products .....	0	0	0	0.0
24	Lumber and Wood Products .....	Q	Q	0	0.0
25	Furniture and Fixtures .....	W	W	0	44.7
26	Paper and Allied Products .....	W	W	160	12.6
27	Printing and Publishing .....	0	0	0	0.0
28	Chemicals and Allied Products .....	W	W	W	27.2
29	Petroleum and Coal Products .....	W	W	W	16.5
30	Rubber and Misc. Plastics Products .....	Q	*	Q	0.0
31	Leather and Leather Products .....	W	W	0	0.0
32	Stone, Clay and Glass Products .....	W	0	W	0.0
33	Primary Metal Industries .....	438	W	W	17.0
34	Fabricated Metal Products .....	W	W	0	31.8
35	Industrial Machinery and Equipment .....	W	0	W	0.0
36	Electronic and Other Electric Equipment .....	0	0	0	0.0
37	Transportation Equipment .....	W	W	0	28.8
38	Instruments and Related Products .....	0	0	0	0.0
39	Misc. Manufacturing Industries .....	0	0	0	0.0
<b>Total</b> .....		4,108	3,714	394	9.0

See footnotes at end of table.

**Table A14. Quantity of Electricity Sold to Utility and Nonutility Purchasers by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total Sold	Utility Purchaser <sup>b</sup>	Nonutility Purchaser <sup>c</sup>	RSE Row Factors
Midwest Census Region					
RSE Column Factors:		0.9	1.1	1.1	
20	Food and Kindred Products . . . . .	W	W	W	12.1
21	Tobacco Products . . . . .	0	0	0	0.0
22	Textile Mill Products . . . . .	0	0	0	0.0
23	Apparel and Other Textile Products . . . . .	0	0	0	0.0
24	Lumber and Wood Products . . . . .	149	149	0	26.8
25	Furniture and Fixtures . . . . .	W	W	W	43.8
26	Paper and Allied Products . . . . .	972	W	W	19.1
27	Printing and Publishing . . . . .	0	0	0	0.0
28	Chemicals and Allied Products . . . . .	W	W	W	13.1
29	Petroleum and Coal Products . . . . .	W	W	W	15.8
30	Rubber and Misc. Plastics Products . . . . .	Q	1	Q	38.6
31	Leather and Leather Products . . . . .	0	0	0	0.0
32	Stone, Clay and Glass Products . . . . .	0	0	0	0.0
33	Primary Metal Industries . . . . .	645	5	640	14.7
34	Fabricated Metal Products . . . . .	W	0	W	43.3
35	Industrial Machinery and Equipment . . . . .	W	1	W	40.5
36	Electronic and Other Electric Equipment . . . . .	W	0	W	45.3
37	Transportation Equipment . . . . .	136	4	132	26.2
38	Instruments and Related Products . . . . .	W	0	W	42.2
39	Misc. Manufacturing Industries . . . . .	0	0	0	0.0
<b>Total</b> . . . . .		2,306	660	1,646	10.4
South Census Region					
RSE Column Factors:		0.9	1.0	1.1	
20	Food and Kindred Products . . . . .	234	W	W	20.2
21	Tobacco Products . . . . .	W	W	0	36.4
22	Textile Mill Products . . . . .	W	W	W	37.3
23	Apparel and Other Textile Products . . . . .	Q	0	Q	0.0
24	Lumber and Wood Products . . . . .	89	63	26	31.2
25	Furniture and Fixtures . . . . .	0	0	0	0.0
26	Paper and Allied Products . . . . .	1,909	1,540	369	7.0
27	Printing and Publishing . . . . .	0	0	0	0.0
28	Chemicals and Allied Products . . . . .	6,547	3,812	2,735	8.9
29	Petroleum and Coal Products . . . . .	707	374	333	10.5
30	Rubber and Misc. Plastics Products . . . . .	Q	*	Q	41.4
31	Leather and Leather Products . . . . .	0	0	0	0.0
32	Stone, Clay and Glass Products . . . . .	W	W	0	21.4
33	Primary Metal Industries . . . . .	W	W	W	9.1
34	Fabricated Metal Products . . . . .	0	0	0	0.0
35	Industrial Machinery and Equipment . . . . .	0	0	0	0.0
36	Electronic and Other Electric Equipment . . . . .	0	0	0	0.0
37	Transportation Equipment . . . . .	W	0	W	29.9
38	Instruments and Related Products . . . . .	0	0	0	0.0
39	Misc. Manufacturing Industries . . . . .	0	0	0	0.0
<b>Total</b> . . . . .		13,893	10,081	3,812	4.9

See footnotes at end of table.

**Table A14. Quantity of Electricity Sold to Utility and Nonutility Purchasers by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total Sold	Utility Purchaser <sup>b</sup>	Nonutility Purchaser <sup>c</sup>	RSE Row Factors
West Census Region					
RSE Column Factors:		1.0	1.0	1.0	
20	Food and Kindred Products . . . . .	1,472	W	W	32.0
21	Tobacco Products . . . . .	0	0	0	0.0
22	Textile Mill Products . . . . .	0	0	0	0.0
23	Apparel and Other Textile Products . . . . .	0	0	0	0.0
24	Lumber and Wood Products . . . . .	788	782	7	27.0
25	Furniture and Fixtures . . . . .	0	0	0	0.0
26	Paper and Allied Products . . . . .	W	W	W	9.2
27	Printing and Publishing . . . . .	W	W	W	40.8
28	Chemicals and Allied Products . . . . .	913	912	Q	13.3
29	Petroleum and Coal Products . . . . .	W	W	W	21.2
30	Rubber and Misc. Plastics Products . . . . .	0	0	0	0.0
31	Leather and Leather Products . . . . .	0	0	0	0.0
32	Stone, Clay and Glass Products . . . . .	W	W	0	29.6
33	Primary Metal Industries . . . . .	W	0	W	27.0
34	Fabricated Metal Products . . . . .	0	0	0	0.0
35	Industrial Machinery and Equipment . . . . .	W	W	0	43.9
36	Electronic and Other Electric Equipment . . . . .	0	0	0	0.0
37	Transportation Equipment . . . . .	0	0	0	0.0
38	Instruments and Related Products . . . . .	W	Q	W	38.4
39	Misc. Manufacturing Industries . . . . .	0	0	0	0.0
<b>Total</b> . . . . .		<b>7,914</b>	<b>7,454</b>	<b>459</b>	<b>10.4</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes consumers, such as other manufacturers, households, and commercial entities; suppliers, such as independent power producers, small power producers, and cogenerators not located at the establishment site; and any other supplier(s), such as producers, brokers, and marketers.

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 A14. Quantity of Electricity Sold to Utility and Nonutility Purchasers by Industry Group and Selected Industries, 1994: Part 2**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total Sold	Utility Purchaser <sup>b</sup>	Nonutility Purchaser <sup>c</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.9	1.1	1.0	
20	Food and Kindred Products . . . . .	1,829	W	W	28.0
2011	Meat Packing Plants . . . . .	0	0	0	0.0
2033	Canned Fruits and Vegetables . . . . .	58	W	W	34.8
2037	Frozen Fruits and Vegetables . . . . .	0	0	0	0.0
2046	Wet Corn Milling . . . . .	70	70	0	30.0
2051	Bread, Cake, and Related Products . . . . .	0	0	0	0.0
2061	Cane Sugar, Except Refining . . . . .	331	W	W	17.0
2062	Cane Sugar Refining . . . . .	3	3	0	43.0
2063	Beet Sugar . . . . .	W	W	0	10.0
2075	Soybean Oil Mills . . . . .	W	W	0	1.0
2082	Malt Beverages . . . . .	W	W	0	1.0
21	Tobacco Products . . . . .	W	W	0	34.0
22	Textile Mill Products . . . . .	W	W	W	37.7
23	Apparel and Other Textile Products . . . . .	Q	0	Q	0.0
24	Lumber and Wood Products . . . . .	1,041	1,008	33	22.0
2421	Sawmills and Planing Mills, General . . . . .	592	562	31	18.2
2436	Softwood Veneer and Plywood . . . . .	Q	Q	0	0.0
2493	Reconstituted Wood Products . . . . .	142	W	W	24.1
25	Furniture and Fixtures . . . . .	W	38	W	40.0
2511	Wood Furniture, Except Upholstered . . . . .	38	38	0	42.0
26	Paper and Allied Products . . . . .	9,250	8,061	1,188	6.9
2611	Pulp Mills . . . . .	469	W	W	25.9
2621	Paper Mills . . . . .	5,837	5,316	521	8.2
2631	Paperboard Mills . . . . .	2,919	2,687	232	5.6
27	Printing and Publishing . . . . .	W	W	W	40.8
28	Chemicals and Allied Products . . . . .	7,744	4,902	2,842	7.6
2812	Alkalies and Chlorine . . . . .	W	W	W	12.2
2813	Industrial Gases . . . . .	0	0	0	0.0
2816	Inorganic Pigments . . . . .	0	0	0	0.0
2819	Industrial Inorganic Chemicals, nec. . . . .	622	489	133	31.4
2821	Plastics Materials and Resins . . . . .	568	W	W	17.1
2822	Synthetic Rubber . . . . .	200	0	200	45.4
2823	Cellulosic Manmade Fibers . . . . .	W	W	W	1.0
2824	Organic Fibers, Noncellulosic . . . . .	W	W	W	14.9
2861	Gum and Wood Chemicals . . . . .	0	0	0	0.0
2865	Cyclic Crudes and Intermediates . . . . .	5	5	0	28.0
2869	Industrial Organic Chemicals, nec. . . . .	3,751	2,215	1,535	12.5
2873	Nitrogenous Fertilizers . . . . .	14	14	*	36.7
2874	Phosphatic Fertilizers . . . . .	1,053	648	405	4.9
2895	Carbon Black . . . . .	W	W	0	20.0
29	Petroleum and Coal Products . . . . .	1,939	1,350	589	9.4
2911	Petroleum Refining . . . . .	1,435	849	587	7.9
30	Rubber and Misc. Plastics Products . . . . .	29	1	Q	42.0
3011	Tires and Inner Tubes . . . . .	0	0	0	0.0
308	Miscellaneous Plastics Products, nec. . . . .	Q	1	Q	33.8
31	Leather and Leather Products . . . . .	W	W	0	0.0
32	Stone, Clay and Glass Products . . . . .	W	W	W	28.5
3211	Flat Glass . . . . .	0	0	0	0.0
3221	Glass Containers . . . . .	0	0	0	0.0
3229	Pressed and Blown Glass, nec. . . . .	W	W	0	20.0
3241	Cement, Hydraulic . . . . .	5	5	0	42.0
3274	Lime . . . . .	0	0	0	0.0
3296	Mineral Wool . . . . .	0	0	0	0.0
33	Primary Metal Industries . . . . .	5,137	W	W	6.5
331	Blast Furnace and Basic Steel Products . . . . .	W	W	947	14.4
3312	Blast Furnaces and Steel Mills . . . . .	W	W	946	14.4
3313	Electrometallurgical Products . . . . .	Q	0	Q	0.0
3321	Gray and Ductile Iron Foundries . . . . .	0	0	0	0.0
3331	Primary Copper . . . . .	0	0	0	0.0
3334	Primary Aluminum . . . . .	W	W	W	1.0
3339	Primary Nonferrous Metals, nec. . . . .	W	W	0	29.0
3353	Aluminum Sheet, Plate, and Foil . . . . .	0	0	0	0.0

See footnotes at end of table.



**Table A14. Quantity of Electricity Sold to Utility and Nonutility Purchasers by Industry Group and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Million Kilowatthours)

SIC Code <sup>a</sup>	Industry Group and Industry	Total Sold	Utility Purchaser <sup>b</sup>	Nonutility Purchaser <sup>c</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.9	1.1	1.0	
34	Fabricated Metal Products .....	W	W	W	36.1
35	Industrial Machinery and Equipment .....	W	W	W	42.5
357	Computer and Office Equipment .....	0	0	0	0.0
36	Electronic and Other Electric Equipment .....	W	0	W	45.4
37	Transportation Equipment .....	225	W	W	19.0
3711	Motor Vehicles and Car Bodies .....	W	0	W	49.5
3714	Motor Vehicle Parts and Accessories .....	136	4	132	26.2
38	Instruments and Related Products .....	15	Q	15	34.6
3841	Surgical and Medical Instruments .....	0	0	0	0.0
39	Misc. Manufacturing Industries .....	0	0	0	0.0
	<b>Total</b> .....	28,221	21,909	6,312	4.6

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes consumers, such as other manufacturers, households, and commercial entities; suppliers, such as independent power producers, small power producers, and cogenerators not located at the establishment site; and any other supplier(s), such as producers, brokers, and marketers.

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 A15. Total Quantity of Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Total (trillion Btu)	Electricity (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil <sup>b</sup> (1000 bbl)	Natural Gas <sup>c</sup> (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other <sup>d</sup> (trillion Btu)	RSE Row Factors
Total United States											
RSE Column Factors:		0.5	0.5	1.6	1.5	0.6	1.5	1.6	2.3	0.5	
20	Food and Kindred Products .....	1,262	W	4,802	3,176	610	1,706	7,470	97	211	4.8
21	Tobacco Products .....	26	1,259	133	W	W	18	W	0	W	21.0
22	Textile Mill Products .....	396	32,515	2,683	1,276	113	1,008	1,486	0	108	10.2
23	Apparel and Other Textile Products .....	78	W	W	119	25	132	W	0	23	20.1
24	Lumber and Wood Products .....	218	W	390	4,326	44	1,078	W	0	69	8.1
25	Furniture and Fixtures .....	72	6,678	W	154	23	213	W	0	21	10.6
26	Paper and Allied Products .....	1,698	71,514	27,649	1,558	540	1,342	13,733	0	404	3.4
27	Printing and Publishing .....	163	W	W	266	46	326	0	0	54	8.6
28	Chemicals and Allied Products .....	5,236	156,267	17,365	2,303	2,415	314,243	12,566	458	670	5.9
29	Petroleum and Coal Products .....	1,109	W	339	2,651	765	519	442	W	164	10.0
30	Rubber and Misc. Plastics Products .....	424	43,732	1,601	618	107	902	221	0	142	6.4
31	Leather and Leather Products .....	12	827	254	W	W	26	0	0	3	17.8
32	Stone, Clay and Glass Products .....	987	W	W	4,001	413	1,065	12,578	283	120	6.3
33	Primary Metal Industries .....	3,126	W	6,906	2,156	781	1,514	34,530	14,275	514	5.3
34	Fabricated Metal Products .....	460	33,833	481	749	210	1,341	W	W	110	11.4
35	Industrial Machinery and Equipment .....	342	W	W	701	107	914	469	W	103	7.9
36	Electronic and Other Electric Equipment .....	320	W	430	311	85	631	W	W	109	9.6
37	Transportation Equipment .....	467	W	1,803	1,063	151	889	1,182	W	131	8.7
38	Instruments and Related Products .....	149	13,494	606	240	28	84	W	0	46	13.7
39	Misc. Manufacturing Industries .....	60	5,575	143	204	19	166	W	0	W	16.9
Total .....		16,605	788,070	67,343	25,939	6,490	328,117	86,920	15,259	3,025	2.9
Northeast Census Region											
RSE Column Factors:		0.5	0.5	1.1	1.2	0.7	1.5	2.1	2.5	0.5	
20	Food and Kindred Products .....	109	6,292	W	W	47	284	W	0	21	11.2
21	Tobacco Products .....	W	20	W	W	W	1	0	0	W	36.2
22	Textile Mill Products .....	35	1,667	1,055	W	13	234	W	0	6	13.4
23	Apparel and Other Textile Products .....	19	W	W	W	5	Q	0	0	W	48.0
24	Lumber and Wood Products .....	12	1,212	W	W	2	135	0	0	4	23.5
25	Furniture and Fixtures .....	W	424	Q	77	2	20	0	0	W	24.5
26	Paper and Allied Products .....	263	W	12,028	411	W	443	W	0	57	7.0
27	Printing and Publishing .....	30	W	W	142	8	63	0	0	9	15.2
28	Chemicals and Allied Products .....	185	11,312	3,307	760	57	4,539	W	0	41	9.3
29	Petroleum and Coal Products .....	74	3,451	149	1,144	W	372	W	0	13	15.3
30	Rubber and Misc. Plastics Products .....	62	W	419	220	13	224	64	0	20	11.7
31	Leather and Leather Products .....	5	242	159	W	W	17	0	0	1	26.5
32	Stone, Clay and Glass Products .....	143	W	W	906	64	221	1,500	W	17	11.3
33	Primary Metal Industries .....	581	W	W	526	102	504	12,377	W	66	12.7
34	Fabricated Metal Products .....	73	W	307	409	31	267	W	W	18	14.8
35	Industrial Machinery and Equipment .....	48	W	189	W	15	175	0	0	15	12.3
36	Electronic and Other Electric Equipment .....	76	W	W	W	21	233	W	W	24	17.7
37	Transportation Equipment .....	52	3,567	W	278	W	97	W	0	13	14.5
38	Instruments and Related Products .....	66	3,746	558	203	9	33	W	0	17	18.9
39	Misc. Manufacturing Industries .....	19	1,673	116	98	6	52	W	0	W	20.0
Total .....		1,859	95,488	22,467	7,022	494	7,917	17,688	349	356	5.0

See footnotes at end of table.

**Table A15. Total Quantity of Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Total (trillion Btu)	Electricity (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil <sup>b</sup> (1000 bbl)	Natural Gas <sup>c</sup> (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other <sup>d</sup> (trillion Btu)	RSE Row Factors
Midwest Census Region											
RSE Column Factors:		0.5	0.5	2.1	1.5	0.6	1.5	1.4	1.6	0.5	
20	Food and Kindred Products .....	562	W	1,176	W	258	338	5,494	W	86	7.6
21	Tobacco Products .....	*	W	0	W	W	0	0	0	W	56.3
22	Textile Mill Products .....	7	W	0	W	4	2	0	0	W	26.7
23	Apparel and Other Textile Products .....	9	785	0	W	4	Q	0	0	W	28.9
24	Lumber and Wood Products .....	39	3,124	W	W	12	270	W	0	10	15.2
25	Furniture and Fixtures .....	28	2,236	W	W	12	65	W	0	W	17.6
26	Paper and Allied Products .....	337	W	812	W	W	246	3,949	0	73	6.2
27	Printing and Publishing .....	59	5,975	*	W	19	106	0	0	19	12.1
28	Chemicals and Allied Products .....	666	40,189	W	189	269	14,165	2,609	W	139	10.8
29	Petroleum and Coal Products .....	154	W	W	298	W	Q	W	0	29	12.0
30	Rubber and Misc. Plastics Products .....	163	W	W	W	48	233	W	0	53	11.1
31	Leather and Leather Products .....	5	W	W	W	W	7	0	0	1	27.2
32	Stone, Clay and Glass Products .....	255	9,722	51	982	108	188	3,124	W	32	12.3
33	Primary Metal Industries .....	1,376	W	4,786	663	408	510	13,454	9,118	184	8.3
34	Fabricated Metal Products .....	250	17,194	W	103	122	656	W	W	56	16.2
35	Industrial Machinery and Equipment .....	175	W	W	W	60	405	469	0	W	11.7
36	Electronic and Other Electric Equipment .....	90	W	W	W	30	183	W	0	29	14.4
37	Transportation Equipment .....	230	W	W	401	82	377	897	W	59	14.0
38	Instruments and Related Products .....	25	2,487	W	4	8	28	0	0	8	18.0
39	Misc. Manufacturing Industries .....	13	966	0	W	6	25	W	0	3	30.2
<b>Total .....</b>		<b>4,445</b>	<b>233,566</b>	<b>8,779</b>	<b>4,021</b>	<b>1,660</b>	<b>17,885</b>	<b>30,459</b>	<b>9,354</b>	<b>839</b>	<b>5.7</b>
South Census Region											
RSE Column Factors:		0.5	0.5	1.8	1.5	0.6	1.4	1.4	2.5	0.5	
20	Food and Kindred Products .....	329	W	1,508	902	158	686	W	W	66	7.6
21	Tobacco Products .....	W	W	W	W	3	18	W	0	W	21.9
22	Textile Mill Products .....	348	29,946	1,628	W	93	768	W	0	99	12.7
23	Apparel and Other Textile Products .....	44	W	W	W	13	108	W	0	13	18.3
24	Lumber and Wood Products .....	93	W	W	W	16	375	W	0	30	11.2
25	Furniture and Fixtures .....	32	3,354	49	W	8	109	58	0	W	13.6
26	Paper and Allied Products .....	844	30,216	12,983	892	269	471	7,344	0	213	5.0
27	Printing and Publishing .....	54	6,096	W	W	13	104	0	0	W	15.4
28	Chemicals and Allied Products .....	4,128	91,340	13,342	1,188	1,968	295,498	8,545	164	439	7.0
29	Petroleum and Coal Products .....	671	W	W	851	498	67	38	W	88	13.3
30	Rubber and Misc. Plastics Products .....	167	17,283	835	353	40	351	72	0	57	8.5
31	Leather and Leather Products .....	W	W	W	W	*	2	0	0	W	36.2
32	Stone, Clay and Glass Products .....	406	W	W	1,184	178	464	5,051	119	49	9.6
33	Primary Metal Industries .....	855	W	1,096	W	201	420	7,451	4,487	166	8.4
34	Fabricated Metal Products .....	98	W	W	195	40	298	W	0	26	13.3
35	Industrial Machinery and Equipment .....	86	8,813	W	W	25	282	0	W	28	12.0
36	Electronic and Other Electric Equipment .....	105	11,194	54	W	26	206	67	W	37	14.0
37	Transportation Equipment .....	117	W	W	274	34	336	W	W	36	14.4
38	Instruments and Related Products .....	30	4,049	W	W	W	12	0	0	10	21.2
39	Misc. Manufacturing Industries .....	19	1,959	27	W	W	85	0	0	6	25.7
<b>Total .....</b>		<b>8,452</b>	<b>339,087</b>	<b>32,735</b>	<b>9,960</b>	<b>3,591</b>	<b>300,660</b>	<b>31,576</b>	<b>4,814</b>	<b>1,398</b>	<b>4.5</b>

See footnotes at end of table.

**Table A15. Total Quantity of Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Total (trillion Btu)	Electricity (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil <sup>b</sup> (1000 bbl)	Natural Gas <sup>c</sup> (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other <sup>d</sup> (trillion Btu)	RSE Row Factors
West Census Region											
RSE Column Factors:		0.5	0.5	1.9	1.5	0.7	1.4	1.5	1.7	0.5	
20	Food and Kindred Products . . . . .	262	10,449	W	1,191	147	398	1,109	W	37	7.3
21	Tobacco Products . . . . .	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products . . . . .	6	W	0	0	3	4	0	0	W	28.6
23	Apparel and Other Textile Products . . . . .	6	654	0	0	2	Q	0	0	W	33.8
24	Lumber and Wood Products . . . . .	74	W	127	W	14	298	0	0	25	12.5
25	Furniture and Fixtures . . . . .	W	664	0	*	2	20	0	0	W	26.9
26	Paper and Allied Products . . . . .	254	W	1,825	W	113	182	W	0	61	7.5
27	Printing and Publishing . . . . .	20	2,183	0	W	5	53	0	0	W	15.2
28	Chemicals and Allied Products . . . . .	256	13,426	W	166	121	40	W	W	51	15.7
29	Petroleum and Coal Products . . . . .	210	W	0	358	138	8	W	0	34	15.1
30	Rubber and Misc. Plastics Products . . . . .	32	3,749	W	W	6	94	W	0	12	17.5
31	Leather and Leather Products . . . . .	W	W	0	0	W	Q	0	0	W	65.9
32	Stone, Clay and Glass Products . . . . .	184	6,404	W	930	63	191	2,904	W	22	12.1
33	Primary Metal Industries . . . . .	314	W	W	W	71	80	1,248	W	99	7.1
34	Fabricated Metal Products . . . . .	40	W	0	41	17	121	0	W	10	14.6
35	Industrial Machinery and Equipment . . . . .	33	3,848	0	W	7	53	0	0	W	18.6
36	Electronic and Other Electric Equipment . . . . .	49	6,027	0	W	8	9	0	0	20	15.9
37	Transportation Equipment . . . . .	67	6,487	W	110	W	78	0	0	22	16.2
38	Instruments and Related Products . . . . .	27	3,212	0	W	W	Q	0	0	11	13.9
39	Misc. Manufacturing Industries . . . . .	8	978	0	W	W	4	0	0	3	36.5
<b>Total . . . . .</b>		<b>1,848</b>	<b>119,930</b>	<b>3,363</b>	<b>4,936</b>	<b>746</b>	<b>1,655</b>	<b>7,197</b>	<b>742</b>	<b>432</b>	<b>5.0</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> "Other" energy sources include such combustible energy sources as wood waste, hydrogen, or waste oils and tars.

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. • "Purchases" exclude quantities that are transferred in from other establishments of the same company, quantities purchased by a central purchasing office offsite, and quantities for which payment is made in-kind.

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 A15. Total Quantity of Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 2**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Total (trillion Btu)	Electricity (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil <sup>b</sup> (1000 bbl)	Natural Gas <sup>c</sup> (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other <sup>d</sup> (trillion Btu)	RSE Row Factors
<b>RSE Column Factors:</b>		0.6	0.6	1.5	1.3	0.7	1.4	1.4	1.8	0.6	
20	Food and Kindred Products .....	1,262	W	4,802	3,176	610	1,706	7,470	97	211	4.8
2011	Meat Packing Plants .....	65	3,924	138	101	35	108	W	0	13	13.6
2033	Canned Fruits and Vegetables .....	57	1,490	W	119	42	126	W	0	6	12.8
2037	Frozen Fruits and Vegetables .....	49	W	204	56	26	76	0	0	10	15.0
2046	Wet Corn Milling .....	190	5,175	169	10	67	9	3,549	6	25	17.9
2051	Bread, Cake, and Related Products .....	45	2,436	Q	131	26	89	0	0	8	16.7
2061	Cane Sugar, Except Refining .....	8	156	W	220	2	1	W	0	2	13.2
2062	Cane Sugar Refining .....	20	W	313	97	16	4	0	0	W	25.6
2063	Beet Sugar .....	67	437	W	W	18	7	1,787	91	W	2.8
2075	Soybean Oil Mills .....	61	W	W	W	30	24	678	0	8	1.3
2082	Malt Beverages .....	61	2,323	W	20	21	Q	793	0	10	9.0
21	Tobacco Products .....	26	1,259	133	W	W	18	W	0	W	20.4
22	Textile Mill Products .....	396	32,515	2,683	1,276	113	1,008	1,486	0	108	9.9
23	Apparel and Other Textile Products .....	78	W	W	119	25	132	W	0	23	19.0
24	Lumber and Wood Products .....	218	W	390	4,326	44	1,078	W	0	69	7.9
2421	Sawmills and Planing Mills, General .....	67	W	W	1,209	11	89	0	0	24	11.9
2436	Softwood Veneer and Plywood .....	24	W	Q	251	3	164	0	0	10	14.2
2493	Reconstituted Wood Products .....	52	W	W	128	15	368	W	0	15	12.2
25	Furniture and Fixtures .....	72	6,678	W	154	23	213	W	0	21	10.3
2511	Wood Furniture, Except Upholstered .....	19	2,184	47	62	2	59	56	0	7	14.6
26	Paper and Allied Products .....	1,698	71,514	27,649	1,558	540	1,342	13,733	0	404	3.3
2611	Pulp Mills .....	87	2,560	3,588	178	21	70	328	0	26	12.2
2621	Paper Mills .....	907	37,503	15,072	740	258	483	8,747	0	218	4.8
2631	Paperboard Mills .....	505	16,399	7,974	314	183	119	4,515	0	108	2.7
27	Printing and Publishing .....	163	W	W	266	46	326	0	0	54	8.2
28	Chemicals and Allied Products .....	5,236	156,267	17,365	2,303	2,415	314,243	12,566	458	670	5.9
2812	Alkalies and Chlorine .....	183	W	W	53	54	W	W	0	60	8.3
2813	Industrial Gases .....	183	22,816	0	W	22	1	29	42	81	19.1
2816	Inorganic Pigments .....	48	2,393	159	W	21	18	W	W	8	9.4
2819	Industrial Inorganic Chemicals, nec. ....	498	42,786	626	261	146	44	1,498	349	155	11.6
2821	Plastics Materials and Resins .....	672	16,832	534	151	232	80,147	879	0	67	8.1
2822	Synthetic Rubber .....	101	2,384	W	15	53	6,921	W	0	8	22.9
2823	Cellulosic Manmade Fibers .....	29	437	0	23	W	W	W	0	W	1.2
2824	Organic Fibers, Noncellulosic .....	130	W	W	86	38	55	W	0	29	6.8
2861	Gum and Wood Chemicals .....	9	W	W	W	3	63	152	W	1	7.3
2865	Cyclic Crudes and Intermediates .....	170	4,653	1,509	203	88	Q	W	0	19	17.3
2869	Industrial Organic Chemicals, nec. ....	2,121	20,528	797	W	971	215,993	5,155	W	150	10.3
2873	Nitrogenous Fertilizers .....	635	3,831	0	30	589	4	0	0	15	11.7
2874	Phosphatic Fertilizers .....	38	2,185	W	W	13	3	W	0	14	5.1
2895	Carbon Black .....	82	571	9,298	W	19	W	0	0	2	10.9
29	Petroleum and Coal Products .....	1,109	W	339	2,651	765	519	442	W	164	10.0
2911	Petroleum Refining .....	1,012	W	0	W	715	W	W	0	155	7.4
30	Rubber and Misc. Plastics Products .....	424	43,732	1,601	618	107	902	221	0	142	6.2
3011	Tires and Inner Tubes .....	62	4,664	721	W	22	96	81	0	15	8.8
308	Miscellaneous Plastics Products, nec. ....	299	33,988	497	266	62	709	82	0	110	9.0
31	Leather and Leather Products .....	12	827	254	W	W	26	0	0	3	16.8
32	Stone, Clay and Glass Products .....	987	W	W	4,001	413	1,065	12,578	283	120	6.3
3211	Flat Glass .....	53	1,468	244	10	40	20	0	0	5	16.7
3221	Glass Containers .....	98	4,268	336	75	64	99	0	0	W	6.5
3229	Pressed and Blown Glass, nec. ....	72	W	W	57	47	38	0	0	11	9.5
3241	Cement, Hydraulic .....	312	10,789	W	857	25	9	9,301	113	36	11.0
3274	Lime .....	91	1,151	105	251	12	5	3,002	82	4	17.9
3296	Mineral Wool .....	62	3,386	W	16	36	74	0	86	12	11.4
33	Primary Metal Industries .....	3,126	W	6,906	2,156	781	1,514	34,530	14,275	514	5.3
331	Blast Furnace and Basic Steel Products ..	2,176	55,214	6,708	915	510	317	33,847	12,703	203	8.2
3312	Blast Furnaces and Steel Mills .....	2,050	45,463	6,688	847	469	82	33,213	W	171	6.6
3313	Electrometallurgical Products .....	52	4,797	0	21	2	5	621	W	16	37.5
3321	Gray and Ductile Iron Foundries .....	119	W	Q	113	28	161	35	1,168	29	11.3
3331	Primary Copper .....	38	W	W	W	21	W	W	0	8	1.1
3334	Primary Aluminum .....	368	W	W	119	16	53	W	W	183	1.3
3339	Primary Nonferrous Metals, nec. ....	60	4,205	W	W	12	17	444	281	16	13.3
3353	Aluminum Sheet, Plate, and Foil .....	84	W	0	W	51	54	W	0	16	5.9

See footnotes at end of table.

**Table A15. Total Quantity of Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Total (trillion Btu)	Electricity (million kWh)	Residual Fuel Oil (1000 bbl)	Distillate Fuel Oil <sup>b</sup> (1000 bbl)	Natural Gas <sup>c</sup> (billion cu ft)	LPG (1000 bbl)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other <sup>d</sup> (trillion Btu)	RSE Row Factors
<b>RSE Column Factors:</b>		0.6	0.6	1.5	1.3	0.7	1.4	1.4	1.8	0.6	
34	Fabricated Metal Products .....	460	33,833	481	749	210	1,341	W	W	110	11.4
35	Industrial Machinery and Equipment .....	342	W	W	701	107	914	469	W	103	7.7
357	Computer and Office Equipment .....	33	4,178	W	W	5	Q	0	0	W	23.0
36	Electronic and Other Electric Equipment ...	320	W	430	311	85	631	W	W	109	9.6
37	Transportation Equipment .....	467	W	1,803	1,063	151	889	1,182	W	131	8.7
3711	Motor Vehicles and Car Bodies .....	126	8,863	W	82	51	51	510	0	29	19.4
3714	Motor Vehicle Parts and Accessories .....	160	W	W	147	53	381	443	W	46	14.4
38	Instruments and Related Products .....	149	13,494	606	240	28	84	W	0	46	13.3
3841	Surgical and Medical Instruments .....	11	1,347	16	13	W	30	0	0	4	19.1
39	Misc. Manufacturing Industries .....	60	5,575	143	204	19	166	W	0	W	16.3
<b>Total .....</b>		<b>16,605</b>	<b>788,070</b>	<b>67,343</b>	<b>25,939</b>	<b>6,490</b>	<b>328,117</b>	<b>86,920</b>	<b>15,259</b>	<b>3,025</b>	<b>2.9</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> "Other" energy sources include such combustible energy sources as wood waste, hydrogen, or waste oils and tars.

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. • "Purchases" exclude quantities that are transferred in from other establishments of the same company, quantities purchased by a central purchasing office offsite, and quantities for which payment is made in-kind.

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 A16. Quantity of Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup> Industry Group and Industry		Electricity (million kWh)		Steam (billion Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Total United States						
RSE Column Factors:		0.2	1.9	1.6	1.4	
20	Food and Kindred Products . . . . .	58,898	W	13,005	5,123	10.3
21	Tobacco Products . . . . .	1,259	0	W	0	57.1
22	Textile Mill Products . . . . .	W	W	5,080	4,374	16.1
23	Apparel and Other Textile Products . . . . .	7,680	W	1,227	W	36.4
24	Lumber and Wood Products . . . . .	20,280	W	1,296	3,452	11.2
25	Furniture and Fixtures . . . . .	W	W	313	Q	23.7
26	Paper and Allied Products . . . . .	70,926	588	15,366	15,178	6.8
27	Printing and Publishing . . . . .	17,374	W	984	405	19.5
28	Chemicals and Allied Products . . . . .	139,324	16,943	25,611	86,533	10.5
29	Petroleum and Coal Products . . . . .	36,071	W	22,950	18,755	8.7
30	Rubber and Misc. Plastics Products . . . . .	43,633	99	W	1,362	13.7
31	Leather and Leather Products . . . . .	827	0	0	W	38.8
32	Stone, Clay and Glass Products . . . . .	35,874	W	46	320	19.1
33	Primary Metal Industries . . . . .	139,850	W	W	7,003	10.4
34	Fabricated Metal Products . . . . .	W	W	769	499	21.9
35	Industrial Machinery and Equipment . . . . .	31,599	W	202	1,080	21.9
36	Electronic and Other Electric Equipment . . . . .	33,011	W	650	84	22.9
37	Transportation Equipment . . . . .	38,090	W	2,172	2,319	16.8
38	Instruments and Related Products . . . . .	13,402	92	358	372	21.7
39	Misc. Manufacturing Industries . . . . .	W	W	Q	290	31.2
Total . . . . .		766,494	21,576	95,503	147,406	4.9
Northeast Census Region						
RSE Column Factors:		0.3	1.5	1.7	1.3	
20	Food and Kindred Products . . . . .	W	W	W	W	22.2
21	Tobacco Products . . . . .	20	0	0	0	78.5
22	Textile Mill Products . . . . .	W	W	W	1,670	20.2
23	Apparel and Other Textile Products . . . . .	W	W	W	0	127.5
24	Lumber and Wood Products . . . . .	W	W	0	W	36.0
25	Furniture and Fixtures . . . . .	424	0	0	0	39.2
26	Paper and Allied Products . . . . .	9,508	W	W	7,058	11.6
27	Printing and Publishing . . . . .	3,120	W	W	0	21.8
28	Chemicals and Allied Products . . . . .	10,898	415	W	W	10.6
29	Petroleum and Coal Products . . . . .	3,451	0	W	W	16.2
30	Rubber and Misc. Plastics Products . . . . .	6,412	W	717	W	20.4
31	Leather and Leather Products . . . . .	242	0	0	0	52.3
32	Stone, Clay and Glass Products . . . . .	5,212	W	0	W	15.0
33	Primary Metal Industries . . . . .	18,199	W	854	624	22.5
34	Fabricated Metal Products . . . . .	5,046	W	129	431	23.0
35	Industrial Machinery and Equipment . . . . .	W	W	0	1,080	25.8
36	Electronic and Other Electric Equipment . . . . .	7,305	W	Q	84	29.1
37	Transportation Equipment . . . . .	W	W	0	737	24.4
38	Instruments and Related Products . . . . .	3,682	64	357	372	21.8
39	Misc. Manufacturing Industries . . . . .	W	W	Q	290	36.1
Total . . . . .		93,768	1,720	16,450	28,246	6.0

See footnotes at end of table.

**Table A16. Quantity of Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup> Industry Group and Industry		Electricity (million kWh)		Steam (billion Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Midwest Census Region						
RSE Column Factors:		0.3	1.7	1.5	1.3	
20	Food and Kindred Products . . . . .	W	W	7,616	0	11.2
21	Tobacco Products . . . . .	W	0	0	0	118.3
22	Textile Mill Products . . . . .	W	0	0	21	37.7
23	Apparel and Other Textile Products . . . . .	785	0	Q	0	46.7
24	Lumber and Wood Products . . . . .	W	W	Q	0	24.9
25	Furniture and Fixtures . . . . .	2,236	0	Q	Q	28.0
26	Paper and Allied Products . . . . .	W	W	8,734	W	14.4
27	Printing and Publishing . . . . .	5,975	0	W	188	22.2
28	Chemicals and Allied Products . . . . .	39,221	967	4,213	11,612	14.6
29	Petroleum and Coal Products . . . . .	W	0	111	W	19.1
30	Rubber and Misc. Plastics Products . . . . .	W	W	1,173	0	22.3
31	Leather and Leather Products . . . . .	W	0	0	W	47.3
32	Stone, Clay and Glass Products . . . . .	9,722	0	46	0	21.1
33	Primary Metal Industries . . . . .	45,930	W	W	5,604	14.0
34	Fabricated Metal Products . . . . .	W	W	640	68	28.9
35	Industrial Machinery and Equipment . . . . .	W	W	134	0	23.1
36	Electronic and Other Electric Equipment . . . . .	8,484	W	524	0	23.4
37	Transportation Equipment . . . . .	17,129	W	1,659	1,335	26.2
38	Instruments and Related Products . . . . .	W	W	0	0	24.9
39	Misc. Manufacturing Industries . . . . .	966	0	0	0	43.6
Total . . . . .		231,326	2,239	27,225	20,980	7.4
South Census Region						
RSE Column Factors:		0.3	2.1	1.3	1.2	
20	Food and Kindred Products . . . . .	W	0	4,101	W	16.2
21	Tobacco Products . . . . .	W	0	W	0	49.6
22	Textile Mill Products . . . . .	W	W	W	2,682	20.5
23	Apparel and Other Textile Products . . . . .	4,238	W	Q	W	24.8
24	Lumber and Wood Products . . . . .	9,334	W	601	W	13.5
25	Furniture and Fixtures . . . . .	W	W	299	0	28.8
26	Paper and Allied Products . . . . .	W	W	3,302	W	12.8
27	Printing and Publishing . . . . .	6,096	0	383	Q	30.4
28	Chemicals and Allied Products . . . . .	W	W	17,156	66,035	11.5
29	Petroleum and Coal Products . . . . .	18,384	W	W	W	12.6
30	Rubber and Misc. Plastics Products . . . . .	W	W	W	1,064	10.6
31	Leather and Leather Products . . . . .	W	0	0	0	67.3
32	Stone, Clay and Glass Products . . . . .	14,535	W	0	W	15.1
33	Primary Metal Industries . . . . .	W	0	0	0	10.6
34	Fabricated Metal Products . . . . .	W	0	0	0	17.7
35	Industrial Machinery and Equipment . . . . .	8,813	0	0	0	17.7
36	Electronic and Other Electric Equipment . . . . .	11,194	0	0	0	21.2
37	Transportation Equipment . . . . .	11,148	W	0	0	23.5
38	Instruments and Related Products . . . . .	4,049	0	0	0	85.0
39	Misc. Manufacturing Industries . . . . .	1,959	0	0	0	42.5
Total . . . . .		323,322	15,765	47,052	73,952	8.2

See footnotes at end of table.



**Table A16. Quantity of Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Btu or Physical Units)

SIC Code <sup>a</sup> Industry Group and Industry		Electricity (million kWh)		Steam (billion Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
West Census Region						
RSE Column Factors:		0.3	1.8	1.3	1.2	
20	Food and Kindred Products . . . . .	10,341	108	W	3,349	13.8
21	Tobacco Products . . . . .	0	0	0	0	0.0
22	Textile Mill Products . . . . .	W	W	286	0	38.8
23	Apparel and Other Textile Products . . . . .	W	W	W	0	49.9
24	Lumber and Wood Products . . . . .	6,672	W	441	1,757	18.5
25	Furniture and Fixtures . . . . .	W	W	0	0	47.0
26	Paper and Allied Products . . . . .	W	W	W	7,077	13.0
27	Printing and Publishing . . . . .	2,183	0	0	0	17.6
28	Chemicals and Allied Products . . . . .	W	W	W	W	14.2
29	Petroleum and Coal Products . . . . .	W	W	W	10,036	12.0
30	Rubber and Misc. Plastics Products . . . . .	3,749	0	0	W	20.8
31	Leather and Leather Products . . . . .	W	0	0	0	99.8
32	Stone, Clay and Glass Products . . . . .	6,404	0	0	W	24.4
33	Primary Metal Industries . . . . .	W	W	0	775	15.1
34	Fabricated Metal Products . . . . .	W	0	0	0	20.5
35	Industrial Machinery and Equipment . . . . .	3,848	0	Q	0	38.2
36	Electronic and Other Electric Equipment . . . . .	6,027	0	0	0	23.5
37	Transportation Equipment . . . . .	W	W	Q	247	20.5
38	Instruments and Related Products . . . . .	W	W	Q	0	21.8
39	Misc. Manufacturing Industries . . . . .	978	0	0	0	67.5
Total . . . . .		118,079	1,852	4,777	24,227	6.6

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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. • "Purchases" exclude quantities that are transferred in from other establishments of the same company, quantities purchased by a central purchasing office offsite, and quantities for which payment is made in-kind.

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 A16. Quantity of Purchased Electricity and Steam by Type of Supplier, Industry Group, and Selected Industries, 1994: Part 2**  
(Estimates in Btu or Physical Units)

		Electricity (million kWh)		Steam (billion Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
SIC Code <sup>a</sup>	Industry Group and Industry					
RSE Column Factors:		0.3	1.6	1.5	1.3	
20	Food and Kindred Products . . . . .	58,898	W	13,005	5,123	10.3
2011	Meat Packing Plants . . . . .	3,924	0	346	0	21.5
2033	Canned Fruits and Vegetables . . . . .	1,490	0	W	249	25.3
2037	Frozen Fruits and Vegetables . . . . .	2,826	W	793	1,144	20.6
2046	Wet Corn Milling . . . . .	W	W	2,132	824	27.6
2051	Bread, Cake, and Related Products . . . . .	W	W	W	0	26.1
2061	Cane Sugar, Except Refining . . . . .	156	0	0	0	20.6
2062	Cane Sugar Refining . . . . .	W	0	1,767	0	43.1
2063	Beet Sugar . . . . .	437	0	0	0	8.8
2075	Soybean Oil Mills . . . . .	W	0	1,216	W	1.2
2082	Malt Beverages . . . . .	2,323	0	0	0	20.6
21	Tobacco Products . . . . .	1,259	0	W	0	41.1
22	Textile Mill Products . . . . .	W	W	5,080	4,374	16.1
23	Apparel and Other Textile Products . . . . .	7,680	W	1,227	W	31.8
24	Lumber and Wood Products . . . . .	20,280	W	1,296	3,452	11.2
2421	Sawmills and Planing Mills, General . . . . .	6,836	W	529	2,016	16.5
2436	Softwood Veneer and Plywood . . . . .	2,675	W	0	690	24.6
2493	Reconstituted Wood Products . . . . .	W	0	W	W	16.4
25	Furniture and Fixtures . . . . .	W	W	313	Q	20.7
2511	Wood Furniture, Except Upholstered . . . . .	2,184	0	299	0	26.8
26	Paper and Allied Products . . . . .	70,926	588	15,366	15,178	6.8
2611	Pulp Mills . . . . .	W	W	0	1,838	21.0
2621	Paper Mills . . . . .	W	W	5,454	8,458	10.7
2631	Paperboard Mills . . . . .	W	W	8,454	2,390	5.6
27	Printing and Publishing . . . . .	17,374	W	984	405	19.5
28	Chemicals and Allied Products . . . . .	139,324	16,943	25,611	86,533	10.5
2812	Alkalies and Chlorine . . . . .	W	0	W	W	9.3
2813	Industrial Gases . . . . .	22,816	0	0	Q	20.6
2816	Inorganic Pigments . . . . .	W	W	W	W	16.4
2819	Industrial Inorganic Chemicals, nec. . . . .	W	W	848	672	24.9
2821	Plastics Materials and Resins . . . . .	16,466	366	2,787	6,315	13.3
2822	Synthetic Rubber . . . . .	W	W	8,003	3,243	26.6
2823	Cellulosic Manmade Fibers . . . . .	W	W	0	W	1.1
2824	Organic Fibers, Noncellulosic . . . . .	W	W	0	W	11.1
2861	Gum and Wood Chemicals . . . . .	W	W	0	W	10.5
2865	Cyclic Crudes and Intermediates . . . . .	W	W	2,458	2,108	21.8
2869	Industrial Organic Chemicals, nec. . . . .	19,073	1,454	7,953	50,550	12.0
2873	Nitrogenous Fertilizers . . . . .	W	W	0	2,055	19.7
2874	Phosphatic Fertilizers . . . . .	2,185	0	0	W	9.7
2895	Carbon Black . . . . .	571	0	0	0	20.6
29	Petroleum and Coal Products . . . . .	36,071	W	22,950	18,755	8.7
2911	Petroleum Refining . . . . .	33,574	W	22,536	W	8.7
30	Rubber and Misc. Plastics Products . . . . .	43,633	99	W	1,362	13.7
3011	Tires and Inner Tubes . . . . .	4,664	0	W	W	9.6
308	Miscellaneous Plastics Products, nec. . . . .	W	W	1,864	350	16.4
31	Leather and Leather Products . . . . .	827	0	0	W	34.2
32	Stone, Clay and Glass Products . . . . .	35,874	W	46	320	19.1
3211	Flat Glass . . . . .	1,468	0	0	W	31.3
3221	Glass Containers . . . . .	4,268	0	0	0	11.7
3229	Pressed and Blown Glass, nec. . . . .	3,173	W	0	W	14.1
3241	Cement, Hydraulic . . . . .	10,789	0	0	0	17.6
3274	Lime . . . . .	1,151	0	0	0	35.2
3296	Mineral Wool . . . . .	3,386	0	0	0	20.6
33	Primary Metal Industries . . . . .	139,850	W	W	7,003	10.4
331	Blast Furnace and Basic Steel Products . . . . .	W	W	W	6,334	16.5
3312	Blast Furnaces and Steel Mills . . . . .	W	W	W	5,017	16.3
3313	Electrometallurgical Products . . . . .	W	W	0	Q	99.9
3321	Gray and Ductile Iron Foundries . . . . .	W	0	0	0	20.6
3331	Primary Copper . . . . .	W	0	0	0	2.9
3334	Primary Aluminum . . . . .	W	0	W	0	1.4
3339	Primary Nonferrous Metals, nec. . . . .	4,205	0	0	W	24.7
3353	Aluminum Sheet, Plate, and Foil . . . . .	W	0	W	0	10.6

See footnotes at end of table.

**Table A16. Quantity of Purchased Electricity and Steam by Type of Supplier, Industry Group, and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Btu or Physical Units)

		Electricity (million kWh)		Steam (billion Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
SIC Code <sup>a</sup>	Industry Group and Industry					
RSE Column Factors:		0.3	1.6	1.5	1.3	
34	Fabricated Metal Products . . . . .	W	W	769	499	21.9
35	Industrial Machinery and Equipment . . . . .	31,599	W	202	1,080	21.9
357	Computer and Office Equipment . . . . .	4,178	0	Q	0	38.2
36	Electronic and Other Electric Equipment . . . . .	33,011	W	650	84	21.5
37	Transportation Equipment . . . . .	38,090	W	2,172	2,319	16.8
3711	Motor Vehicles and Car Bodies . . . . .	W	W	1,659	633	32.4
3714	Motor Vehicle Parts and Accessories . . . . .	13,218	W	0	933	19.8
38	Instruments and Related Products . . . . .	13,402	92	358	372	21.7
3841	Surgical and Medical Instruments . . . . .	1,347	0	0	0	23.5
39	Misc. Manufacturing Industries . . . . .	W	W	Q	290	27.4
Total . . . . .		766,494	21,576	95,503	147,406	4.9

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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. • "Purchases" exclude quantities that are transferred in from other establishments of the same company, quantities purchased by a central purchasing office offsite, and quantities for which payment is made in-kind.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1991 Manufacturing Energy Consumption Survey."

**Table A17. Total Expenditures for Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	Coke and Breeze	Other <sup>d</sup>	RSE Row Factors
Total United States											
RSE Column Factors:		0.4	0.4	1.4	1.3	0.5	1.2	1.4	2.1	1.6	
20	Food and Kindred Products .....	5,548	W	84	101	1,788	W	241	14	106	5.4
21	Tobacco Products .....	102	63	2	W	W	W	W	0	Q	23.5
22	Textile Mill Products .....	2,102	1,502	50	32	403	21	62	0	33	11.8
23	Apparel and Other Textile Products .....	685	W	W	4	102	W	W	0	4	24.7
24	Lumber and Wood Products .....	1,674	W	6	155	147	27	W	0	220	10.0
25	Furniture and Fixtures .....	543	426	W	5	91	W	W	0	7	13.7
26	Paper and Allied Products .....	6,058	2,951	432	42	1,409	37	560	0	627	3.3
27	Printing and Publishing .....	1,391	W	W	9	194	10	0	0	11	10.5
28	Chemicals and Allied Products .....	18,007	5,373	267	65	5,358	5,304	469	52	1,119	6.2
29	Petroleum and Coal Products .....	3,720	W	6	69	1,731	11	12	*	310	10.9
30	Rubber and Misc. Plastics Products .....	2,874	2,382	27	16	388	28	11	0	21	7.6
31	Leather and Leather Products .....	86	62	4	W	W	W	0	0	*	20.0
32	Stone, Clay and Glass Products .....	3,630	W	W	128	1,203	W	460	16	52	8.0
33	Primary Metal Industries .....	10,748	W	114	57	2,185	W	1,657	1,530	309	5.5
34	Fabricated Metal Products .....	3,068	2,121	11	24	758	46	W	W	Q	12.8
35	Industrial Machinery and Equipment .....	2,468	W	W	21	409	W	17	*	30	9.1
36	Electronic and Other Electric Equipment ...	2,296	W	9	10	312	14	W	W	145	12.8
37	Transportation Equipment .....	2,729	W	30	26	514	20	49	W	68	9.5
38	Instruments and Related Products .....	1,017	834	11	7	110	W	W	0	9	12.7
39	Misc. Manufacturing Industries .....	436	318	W	5	86	4	W	0	W	18.3
<b>Total</b> .....		<b>69,184</b>	<b>35,970</b>	<b>1,091</b>	<b>776</b>	<b>17,216</b>	<b>5,681</b>	<b>3,638</b>	<b>1,631</b>	<b>3,181</b>	<b>3.6</b>
Northeast Census Region											
RSE Column Factors:		0.5	0.4	1.0	1.1	0.6	1.4	1.8	2.2	1.4	
20	Food and Kindred Products .....	699	452	W	W	169	W	W	0	13	14.6
21	Tobacco Products .....	W	2	W	W	W	W	0	0	W	37.9
22	Textile Mill Products .....	225	129	19	W	54	5	W	0	10	14.9
23	Apparel and Other Textile Products .....	208	W	W	W	23	W	0	0	W	53.8
24	Lumber and Wood Products .....	123	86	W	W	10	W	0	0	16	21.8
25	Furniture and Fixtures .....	W	37	W	2	9	1	0	0	W	26.7
26	Paper and Allied Products .....	1,167	W	202	11	W	11	W	0	94	7.0
27	Printing and Publishing .....	330	W	W	4	45	W	0	0	3	17.7
28	Chemicals and Allied Products .....	1,028	573	60	22	198	W	W	0	69	10.0
29	Petroleum and Coal Products .....	350	172	W	28	W	W	W	0	33	16.4
30	Rubber and Misc. Plastics Products .....	568	W	9	6	62	W	W	0	3	14.1
31	Leather and Leather Products .....	36	25	3	W	W	1	0	0	*	26.8
32	Stone, Clay and Glass Products .....	634	W	W	27	211	6	56	W	8	12.9
33	Primary Metal Industries .....	1,860	W	W	13	346	15	607	W	31	12.8
34	Fabricated Metal Products .....	576	W	6	12	134	W	W	W	11	16.8
35	Industrial Machinery and Equipment .....	445	W	4	W	69	W	0	0	10	14.9
36	Electronic and Other Electric Equipment ...	656	W	W	W	81	5	W	W	Q	21.1
37	Transportation Equipment .....	356	256	W	7	W	W	W	0	12	15.8
38	Instruments and Related Products .....	403	298	11	6	40	W	W	0	4	17.9
39	Misc. Manufacturing Industries .....	150	97	W	3	28	W	W	0	W	22.7
<b>Total</b> .....		<b>9,869</b>	<b>6,023</b>	<b>396</b>	<b>197</b>	<b>1,794</b>	<b>185</b>	<b>828</b>	<b>40</b>	<b>405</b>	<b>6.2</b>

See footnotes at end of table.

**Table A17. Total Expenditures for Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	Coke and Breeze	Other <sup>d</sup>	RSE Row Factors
Midwest Census Region											
RSE Column Factors:		0.5	0.5	1.8	1.4	0.5	1.2	1.2	1.7	1.4	
20	Food and Kindred Products .....	2,028	W	17	W	705	8	167	W	59	8.5
21	Tobacco Products .....	1	W	0	W	W	0	0	0	W	51.5
22	Textile Mill Products .....	43	W	0	W	12	W	0	0	W	28.7
23	Apparel and Other Textile Products .....	66	50	0	W	16	W	0	0	W	33.8
24	Lumber and Wood Products .....	293	173	W	W	46	6	W	0	Q	17.9
25	Furniture and Fixtures .....	174	124	W	W	41	2	W	0	W	19.3
26	Paper and Allied Products .....	1,196	W	11	W	W	W	156	0	56	6.2
27	Printing and Publishing .....	431	350	W	W	72	W	0	0	5	14.1
28	Chemicals and Allied Products .....	2,333	1,229	W	5	675	W	96	W	196	11.0
29	Petroleum and Coal Products .....	635	W	W	7	W	W	W	0	18	16.3
30	Rubber and Misc. Plastics Products .....	1,014	W	W	W	166	W	W	0	9	13.7
31	Leather and Leather Products .....	26	W	W	W	W	W	0	0	*	30.1
32	Stone, Clay and Glass Products .....	922	441	W	35	316	W	107	W	Q	15.6
33	Primary Metal Industries .....	4,737	W	82	20	1,093	W	640	963	145	8.0
34	Fabricated Metal Products .....	1,451	998	W	3	405	21	W	W	8	16.5
35	Industrial Machinery and Equipment .....	1,125	W	W	W	217	13	17	0	W	13.2
36	Electronic and Other Electric Equipment ...	530	W	W	W	100	W	W	0	15	17.5
37	Transportation Equipment .....	1,222	W	W	7	269	8	W	W	33	15.4
38	Instruments and Related Products .....	164	133	W	*	29	W	0	0	1	21.6
39	Misc. Manufacturing Industries .....	92	62	0	W	28	1	W	0	*	35.9
<b>Total</b> .....		<b>18,483</b>	<b>10,328</b>	<b>146</b>	<b>123</b>	<b>4,823</b>	<b>220</b>	<b>1,241</b>	<b>988</b>	<b>614</b>	<b>5.8</b>
South Census Region											
RSE Column Factors:		0.4	0.4	1.6	1.4	0.6	1.2	1.3	2.2	1.3	
20	Food and Kindred Products .....	1,625	W	27	26	494	16	W	W	22	9.1
21	Tobacco Products .....	W	W	W	W	9	W	W	0	W	23.7
22	Textile Mill Products .....	1,794	1,315	31	W	324	W	W	0	22	14.7
23	Apparel and Other Textile Products .....	346	W	W	W	53	W	W	0	Q	19.9
24	Lumber and Wood Products .....	738	W	W	W	50	10	W	0	80	13.6
25	Furniture and Fixtures .....	249	205	W	W	32	W	3	0	W	15.2
26	Paper and Allied Products .....	2,554	1,137	189	23	652	13	302	0	239	4.8
27	Printing and Publishing .....	426	365	W	W	53	3	0	0	W	19.3
28	Chemicals and Allied Products .....	13,780	3,109	195	32	4,237	5,088	311	14	795	7.8
29	Petroleum and Coal Products .....	1,958	W	W	22	1,036	W	W	W	179	14.9
30	Rubber and Misc. Plastics Products .....	990	812	14	9	134	10	4	0	8	9.8
31	Leather and Leather Products .....	W	W	W	W	2	*	0	0	W	37.0
32	Stone, Clay and Glass Products .....	1,387	W	W	36	498	11	191	7	18	11.4
33	Primary Metal Industries .....	3,005	W	16	W	564	10	339	489	63	8.5
34	Fabricated Metal Products .....	637	W	W	7	150	11	W	0	8	15.7
35	Industrial Machinery and Equipment .....	583	468	W	W	92	W	0	W	8	13.5
36	Electronic and Other Electric Equipment ...	700	538	1	W	94	W	W	W	53	16.6
37	Transportation Equipment .....	691	W	W	9	119	7	W	W	16	15.3
38	Instruments and Related Products .....	211	187	W	W	W	*	0	0	2	21.9
39	Misc. Manufacturing Industries .....	133	108	W	W	W	W	0	0	Q	28.8
<b>Total</b> .....		<b>31,923</b>	<b>13,974</b>	<b>492</b>	<b>284</b>	<b>8,635</b>	<b>5,222</b>	<b>1,282</b>	<b>513</b>	<b>1,522</b>	<b>5.0</b>

See footnotes at end of table.

**Table A17. Total Expenditures for Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	Coke and Breeze	Other <sup>d</sup>	RSE Row Factors
West Census Region											
RSE Column Factors:		0.5	0.4	1.7	1.5	0.6	1.3	1.4	1.5	1.2	
20	Food and Kindred Products .....	1,195	658	W	41	420	12	34	W	12	8.3
21	Tobacco Products .....	0	0	0	0	0	0	0	0	0	0.0
22	Textile Mill Products .....	40	W	0	0	12	W	0	0	W	29.4
23	Apparel and Other Textile Products .....	65	54	0	0	10	W	0	0	W	33.4
24	Lumber and Wood Products .....	520	W	2	W	41	W	0	0	77	13.8
25	Furniture and Fixtures .....	W	61	0	W	9	1	0	0	W	29.4
26	Paper and Allied Products .....	1,141	W	30	W	281	W	W	0	238	8.2
27	Printing and Publishing .....	204	176	0	W	23	W	0	0	W	18.0
28	Chemicals and Allied Products .....	866	461	W	7	248	W	W	W	59	17.5
29	Petroleum and Coal Products .....	777	W	0	11	291	W	W	0	81	16.0
30	Rubber and Misc. Plastics Products .....	302	270	W	W	27	W	W	0	1	20.8
31	Leather and Leather Products .....	W	W	0	0	W	W	0	0	W	65.0
32	Stone, Clay and Glass Products .....	687	338	W	29	178	W	106	W	17	12.9
33	Primary Metal Industries .....	1,146	W	W	W	182	W	72	W	69	7.6
34	Fabricated Metal Products .....	404	W	0	1	69	W	0	W	Q	20.5
35	Industrial Machinery and Equipment .....	316	278	0	W	31	W	0	0	W	19.5
36	Electronic and Other Electric Equipment ...	411	368	0	W	37	W	0	0	6	17.6
37	Transportation Equipment .....	459	373	W	2	W	W	0	0	7	17.6
38	Instruments and Related Products .....	239	217	0	W	W	W	0	0	2	15.0
39	Misc. Manufacturing Industries .....	61	51	0	W	W	W	0	0	*	35.9
	<b>Total .....</b>	<b>8,909</b>	<b>5,646</b>	<b>57</b>	<b>172</b>	<b>1,965</b>	<b>54</b>	<b>287</b>	<b>89</b>	<b>640</b>	<b>5.7</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> "Other" energy sources include such combustible energy sources as wood waste, hydrogen, or waste oils and tars.

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. • To minimize respondent burden, quantities of petroleum-based products (e.g., residual and distillate fuel oil and LPG) purchased, and associated expenditures, were not collected from the Refinery Industry, SIC 2911. These products are produced by petroleum refineries rather than purchased by them.

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 A17. Total Expenditures for Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 2**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	Coke and Breeze	Other <sup>d</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.5	0.5	1.4	1.2	0.7	1.2	1.3	1.7	1.3	
20	Food and Kindred Products . . . . .	5,548	W	84	101	1,788	W	241	14	106	5.4
2011	Meat Packing Plants . . . . .	281	184	2	3	87	W	W	0	W	16.8
2033	Canned Fruits and Vegetables . . . . .	235	105	W	4	116	4	W	0	2	15.0
2037	Frozen Fruits and Vegetables . . . . .	222	W	4	1	74	W	0	0	5	16.1
2046	Wet Corn Milling . . . . .	459	181	W	*	158	*	103	W	W	18.4
2051	Bread, Cake, and Related Products . . . . .	246	143	*	3	95	3	0	0	2	20.8
2061	Cane Sugar, Except Refining . . . . .	32	10	W	8	4	W	W	0	2	14.0
2062	Cane Sugar Refining . . . . .	60	W	6	3	40	*	0	0	W	28.0
2063	Beet Sugar . . . . .	138	21	W	W	41	W	56	W	W	3.0
2075	Soybean Oil Mills . . . . .	188	W	W	W	78	W	22	0	9	1.3
2082	Malt Beverages . . . . .	221	123	W	W	59	W	28	0	W	10.4
21	Tobacco Products . . . . .	102	63	2	W	W	W	W	0	W	22.2
22	Textile Mill Products . . . . .	2,102	1,502	50	32	403	21	62	0	33	11.5
23	Apparel and Other Textile Products . . . . .	685	W	W	4	102	W	W	0	4	23.7
24	Lumber and Wood Products . . . . .	1,674	W	6	155	147	27	W	0	220	9.8
2421	Sawmills and Planing Mills, General . . . . .	507	W	W	42	32	3	0	0	38	13.2
2436	Softwood Veneer and Plywood . . . . .	150	W	W	7	6	W	0	0	16	15.1
2493	Reconstituted Wood Products . . . . .	346	W	W	4	46	7	W	0	81	13.2
25	Furniture and Fixtures . . . . .	543	426	W	5	91	W	W	0	7	13.3
2511	Wood Furniture, Except Upholstered . . . . .	158	139	1	2	9	2	3	0	3	15.8
26	Paper and Allied Products . . . . .	6,058	2,951	432	42	1,409	37	560	0	627	3.2
2611	Pulp Mills . . . . .	263	98	55	5	49	2	12	0	42	11.8
2621	Paper Mills . . . . .	2,882	1,364	238	19	647	11	346	0	257	5.2
2631	Paperboard Mills . . . . .	1,716	635	122	8	448	4	198	0	301	2.9
27	Printing and Publishing . . . . .	1,391	W	W	9	194	10	0	0	11	10.1
28	Chemicals and Allied Products . . . . .	18,007	5,373	267	65	5,358	5,304	469	52	1,119	6.2
2812	Alkalies and Chlorine . . . . .	601	W	W	1	118	W	W	0	46	8.8
2813	Industrial Gases . . . . .	870	803	0	W	50	W	W	W	W	23.9
2816	Inorganic Pigments . . . . .	215	86	2	W	61	W	W	W	47	9.1
2819	Industrial Inorganic Chemicals, nec. . . . .	1,515	941	11	8	344	1	64	43	Q	11.5
2821	Plastics Materials and Resins . . . . .	2,966	658	11	4	507	1,691	35	0	59	8.4
2822	Synthetic Rubber . . . . .	418	92	W	*	109	178	W	0	30	24.5
2823	Cellulosic Manmade Fibers . . . . .	70	16	0	1	W	W	W	0	W	1.1
2824	Organic Fibers, Noncellulosic . . . . .	459	W	W	2	97	W	W	0	W	7.2
2861	Gum and Wood Chemicals . . . . .	48	W	W	W	8	W	W	W	19	6.7
2865	Cyclic Crudes and Intermediates . . . . .	672	176	23	5	209	W	W	0	124	17.9
2869	Industrial Organic Chemicals, nec. . . . .	6,661	795	14	W	2,071	3,222	165	W	385	11.1
2873	Nitrogenous Fertilizers . . . . .	1,338	140	0	1	1,186	*	0	0	11	12.9
2874	Phosphatic Fertilizers . . . . .	272	94	W	W	35	*	W	0	131	5.5
2895	Carbon Black . . . . .	201	23	133	W	45	W	0	0	*	11.5
29	Petroleum and Coal Products . . . . .	3,720	W	6	69	1,731	11	12	W	310	10.9
2911	Petroleum Refining . . . . .	3,180	W	0	W	1,582	W	W	0	185	8.1
30	Rubber and Misc. Plastics Products . . . . .	2,874	2,382	27	16	388	28	11	0	21	7.4
3011	Tires and Inner Tubes . . . . .	281	194	11	W	60	W	4	0	7	10.6
308	Miscellaneous Plastics Products, nec. . . . .	2,192	1,891	9	8	246	23	5	0	11	10.2
31	Leather and Leather Products . . . . .	86	62	4	W	W	W	0	0	W	19.2
32	Stone, Clay and Glass Products . . . . .	3,630	W	W	128	1,203	W	460	16	52	8.0
3211	Flat Glass . . . . .	191	70	W	*	110	1	0	0	W	16.2
3221	Glass Containers . . . . .	399	208	6	2	180	W	0	0	W	7.1
3229	Pressed and Blown Glass, nec. . . . .	287	W	W	1	143	W	0	0	2	10.1
3241	Cement, Hydraulic . . . . .	864	430	W	22	56	W	331	3	18	12.5
3274	Lime . . . . .	217	54	W	W	28	*	114	2	11	17.0
3296	Mineral Wool . . . . .	252	143	W	*	96	W	0	W	*	11.9
33	Primary Metal Industries . . . . .	10,748	W	114	57	2,185	W	1,657	1,530	309	5.5
331	Blast Furnace and Basic Steel Products . . . . .	6,630	2,108	110	27	1,364	11	1,617	1,296	97	8.7
3312	Blast Furnaces and Steel Mills . . . . .	5,998	1,701	110	25	1,226	W	1,571	W	68	7.2
3313	Electrometallurgical Products . . . . .	217	141	0	1	9	W	45	W	17	35.7
3321	Gray and Ductile Iron Foundries . . . . .	694	W	W	4	89	W	W	195	6	12.6
3331	Primary Copper . . . . .	108	W	W	W	48	W	W	0	2	1.1
3334	Primary Aluminum . . . . .	1,319	W	W	3	45	W	W	W	170	1.3
3339	Primary Nonferrous Metals, nec. . . . .	213	119	W	W	30	1	25	28	9	12.6
3353	Aluminum Sheet, Plate, and Foil . . . . .	319	W	0	W	142	1	W	0	9	6.2

See footnotes at end of table.

**Table A17. Total Expenditures for Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup>	Industry Group and Industry	Total	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	Coke and Breeze	Other <sup>d</sup>	RSE Row Factors
<b>RSE Column Factors:</b>		0.5	0.5	1.4	1.2	0.7	1.2	1.3	1.7	1.3	
34	Fabricated Metal Products .....	3,068	2,121	11	24	758	46	W	W	Q	12.5
35	Industrial Machinery and Equipment .....	2,468	W	W	21	409	W	17	W	30	8.9
357	Computer and Office Equipment .....	264	246	W	W	16	W	0	0	W	24.8
36	Electronic and Other Electric Equipment ...	2,296	W	9	10	312	14	W	W	145	12.8
37	Transportation Equipment .....	2,729	W	30	26	514	20	49	W	68	9.5
3711	Motor Vehicles and Car Bodies .....	642	411	W	2	170	W	W	0	30	21.9
3714	Motor Vehicle Parts and Accessories ....	903	W	W	3	179	7	W	W	13	14.9
38	Instruments and Related Products .....	1,017	834	11	7	110	W	W	0	9	12.3
3841	Surgical and Medical Instruments .....	98	86	W	*	W	W	0	0	Q	22.4
39	Misc. Manufacturing Industries .....	436	318	W	5	86	4	W	0	W	17.3
<b>Total .....</b>		<b>69,184</b>	<b>35,970</b>	<b>1,091</b>	<b>776</b>	<b>17,216</b>	<b>5,681</b>	<b>3,638</b>	<b>1,631</b>	<b>3,181</b>	<b>3.6</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> "Other" energy sources include such combustible energy sources as wood waste, hydrogen, or waste oils and tars.

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. • To minimize respondent burden, quantities of petroleum-based products (e.g., residual and distillate fuel oil and LPG) purchased, and associated expenditures, were not collected from the Refinery Industry, SIC 2911. These products are produced by petroleum refineries rather than purchased by them.

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 A18. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1**  
(Estimates in Million Dollars)

		Electricity		Steam		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
SIC Code <sup>a</sup>	Industry Group and Industry					
Total United States						
RSE Column Factors:		0.2	1.9	1.6	1.4	
20	Food and Kindred Products . . . . .	3,160	W	49	13	9.9
21	Tobacco Products . . . . .	63	0	W	0	58.2
22	Textile Mill Products . . . . .	W	W	9	19	15.1
23	Apparel and Other Textile Products . . . . .	564	W	4	W	41.3
24	Lumber and Wood Products . . . . .	1,103	W	6	9	10.9
25	Furniture and Fixtures . . . . .	W	W	W	W	22.6
26	Paper and Allied Products . . . . .	2,920	31	45	53	6.8
27	Printing and Publishing . . . . .	1,162	W	7	2	19.9
28	Chemicals and Allied Products . . . . .	4,991	382	91	228	8.2
29	Petroleum and Coal Products . . . . .	1,525	W	70	65	8.9
30	Rubber and Misc. Plastics Products . . . . .	2,377	5	W	5	15.6
31	Leather and Leather Products . . . . .	62	0	0	W	38.9
32	Stone, Clay and Glass Products . . . . .	1,718	W	W	W	17.6
33	Primary Metal Industries . . . . .	4,812	W	W	31	10.4
34	Fabricated Metal Products . . . . .	W	W	W	4	22.4
35	Industrial Machinery and Equipment . . . . .	1,937	W	W	W	22.2
36	Electronic and Other Electric Equipment . . . . .	1,793	W	W	W	21.0
37	Transportation Equipment . . . . .	1,971	W	W	13	17.3
38	Instruments and Related Products . . . . .	826	8	W	W	17.5
39	Misc. Manufacturing Industries . . . . .	W	W	W	W	31.2
Total . . . . .		35,340	630	322	454	4.1
Northeast Census Region						
RSE Column Factors:		0.3	1.5	1.6	1.3	
20	Food and Kindred Products . . . . .	W	W	W	W	21.8
21	Tobacco Products . . . . .	2	0	0	0	81.2
22	Textile Mill Products . . . . .	W	W	W	8	21.0
23	Apparel and Other Textile Products . . . . .	W	W	W	0	146.8
24	Lumber and Wood Products . . . . .	W	W	0	W	31.2
25	Furniture and Fixtures . . . . .	37	0	0	0	40.6
26	Paper and Allied Products . . . . .	583	W	W	23	11.3
27	Printing and Publishing . . . . .	271	W	W	0	20.1
28	Chemicals and Allied Products . . . . .	549	25	W	W	11.2
29	Petroleum and Coal Products . . . . .	172	0	W	W	15.8
30	Rubber and Misc. Plastics Products . . . . .	476	W	2	W	19.2
31	Leather and Leather Products . . . . .	25	0	0	0	46.8
32	Stone, Clay and Glass Products . . . . .	316	W	0	W	14.8
33	Primary Metal Industries . . . . .	800	W	W	W	21.5
34	Fabricated Metal Products . . . . .	398	W	W	W	23.5
35	Industrial Machinery and Equipment . . . . .	W	W	0	W	25.1
36	Electronic and Other Electric Equipment . . . . .	482	W	W	W	25.0
37	Transportation Equipment . . . . .	W	W	0	W	23.7
38	Instruments and Related Products . . . . .	292	6	W	W	21.1
39	Misc. Manufacturing Industries . . . . .	W	W	W	W	31.4
Total . . . . .		5,912	111	56	114	7.1

See footnotes at end of table.

**Table A18. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity		Steam		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Midwest Census Region						
RSE Column Factors:		0.3	1.8	1.5	1.3	
20	Food and Kindred Products . . . . .	W	W	31	0	12.1
21	Tobacco Products . . . . .	W	0	0	0	126.5
22	Textile Mill Products . . . . .	W	0	0	W	39.8
23	Apparel and Other Textile Products . . . . .	50	0	W	0	49.9
24	Lumber and Wood Products . . . . .	W	W	W	0	26.6
25	Furniture and Fixtures . . . . .	124	0	W	W	30.0
26	Paper and Allied Products . . . . .	W	W	23	W	13.8
27	Printing and Publishing . . . . .	350	0	W	W	23.5
28	Chemicals and Allied Products . . . . .	1,193	36	24	38	11.7
29	Petroleum and Coal Products . . . . .	W	0	W	W	19.2
30	Rubber and Misc. Plastics Products . . . . .	W	W	W	0	23.4
31	Leather and Leather Products . . . . .	W	0	0	W	48.4
32	Stone, Clay and Glass Products . . . . .	441	0	W	0	22.1
33	Primary Metal Industries . . . . .	1,742	W	W	26	13.1
34	Fabricated Metal Products . . . . .	W	W	W	W	28.4
35	Industrial Machinery and Equipment . . . . .	W	W	W	0	24.2
36	Electronic and Other Electric Equipment . . . . .	405	W	W	0	24.5
37	Transportation Equipment . . . . .	838	W	W	W	26.2
38	Instruments and Related Products . . . . .	W	W	0	0	23.3
39	Misc. Manufacturing Industries . . . . .	62	0	0	0	53.2
Total . . . . .		10,227	101	111	80	7.1
South Census Region						
RSE Column Factors:		0.3	2.2	1.2	1.4	
20	Food and Kindred Products . . . . .	W	*	11	W	17.8
21	Tobacco Products . . . . .	W	0	W	0	51.8
22	Textile Mill Products . . . . .	W	W	W	W	19.8
23	Apparel and Other Textile Products . . . . .	281	W	W	W	30.2
24	Lumber and Wood Products . . . . .	527	W	W	W	14.0
25	Furniture and Fixtures . . . . .	W	W	W	0	30.7
26	Paper and Allied Products . . . . .	W	W	9	W	11.8
27	Printing and Publishing . . . . .	365	0	W	W	36.3
28	Chemicals and Allied Products . . . . .	W	W	52	143	9.9
29	Petroleum and Coal Products . . . . .	710	W	W	W	13.1
30	Rubber and Misc. Plastics Products . . . . .	W	W	W	4	13.2
31	Leather and Leather Products . . . . .	W	0	0	0	70.3
32	Stone, Clay and Glass Products . . . . .	623	W	0	W	14.8
33	Primary Metal Industries . . . . .	W	0	0	0	11.1
34	Fabricated Metal Products . . . . .	W	0	0	0	18.5
35	Industrial Machinery and Equipment . . . . .	468	0	0	0	18.5
36	Electronic and Other Electric Equipment . . . . .	538	0	0	0	22.2
37	Transportation Equipment . . . . .	525	W	0	0	21.3
38	Instruments and Related Products . . . . .	187	0	0	0	44.4
39	Misc. Manufacturing Industries . . . . .	108	0	0	0	44.4
Total . . . . .		13,636	338	144	170	7.5

See footnotes at end of table.

**Table A18. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Million Dollars)

		Electricity		Steam		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
SIC Code <sup>a</sup>	Industry Group and Industry	West Census Region				
RSE Column Factors:		0.3	1.8	1.4	1.2	
20	Food and Kindred Products .....	650	8	W	8	14.0
21	Tobacco Products .....	0	0	0	0	0.0
22	Textile Mill Products .....	W	W	W	0	36.4
23	Apparel and Other Textile Products .....	W	W	W	0	48.8
24	Lumber and Wood Products .....	319	W	W	5	17.3
25	Furniture and Fixtures .....	W	W	0	0	48.8
26	Paper and Allied Products .....	W	W	W	26	16.0
27	Printing and Publishing .....	176	*	0	0	18.3
28	Chemicals and Allied Products .....	W	W	W	W	14.2
29	Petroleum and Coal Products .....	W	W	W	44	11.8
30	Rubber and Misc. Plastics Products .....	270	0	0	W	21.4
31	Leather and Leather Products .....	W	0	0	0	94.5
32	Stone, Clay and Glass Products .....	338	0	0	W	25.1
33	Primary Metal Industries .....	W	W	0	W	17.3
34	Fabricated Metal Products .....	W	0	0	0	21.3
35	Industrial Machinery and Equipment .....	278	0	W	0	36.6
36	Electronic and Other Electric Equipment .....	368	0	0	0	21.3
37	Transportation Equipment .....	W	W	W	W	23.6
38	Instruments and Related Products .....	W	W	W	0	21.3
39	Misc. Manufacturing Industries .....	51	0	0	0	54.9
Total .....		5,566	80	11	89	6.9

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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 A18. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Industry Group, and Selected Industries, 1994: Part 2**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup> Industry Group and Industry		Electricity		Steam		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
RSE Column Factors:		0.3	1.6	1.4	1.3	
20	Food and Kindred Products . . . . .	3,160	W	49	13	9.9
2011	Meat Packing Plants . . . . .	184	0	W	0	22.1
2033	Canned Fruits and Vegetables . . . . .	105	0	W	W	23.5
2037	Frozen Fruits and Vegetables . . . . .	132	W	W	3	20.5
2046	Wet Corn Milling . . . . .	W	W	W	W	27.0
2051	Bread, Cake, and Related Products . . . . .	W	W	W	0	24.5
2061	Cane Sugar, Except Refining . . . . .	10	0	0	0	21.3
2062	Cane Sugar Refining . . . . .	W	0	W	0	44.2
2063	Beet Sugar . . . . .	21	0	0	0	9.1
2075	Soybean Oil Mills . . . . .	W	0	4	W	1.2
2082	Malt Beverages . . . . .	123	0	0	0	21.3
21	Tobacco Products . . . . .	63	0	W	0	42.6
22	Textile Mill Products . . . . .	W	W	9	19	15.1
23	Apparel and Other Textile Products . . . . .	564	W	4	W	38.9
24	Lumber and Wood Products . . . . .	1,103	W	6	9	10.9
2421	Sawmills and Planing Mills, General . . . . .	384	W	W	5	16.1
2436	Softwood Veneer and Plywood . . . . .	115	W	0	W	22.7
2493	Reconstituted Wood Products . . . . .	W	0	W	W	16.6
25	Furniture and Fixtures . . . . .	W	W	W	W	20.0
2511	Wood Furniture, Except Upholstered . . . . .	139	0	W	0	29.2
26	Paper and Allied Products . . . . .	2,920	31	45	53	6.8
2611	Pulp Mills . . . . .	W	W	0	5	20.3
2621	Paper Mills . . . . .	W	W	14	31	10.2
2631	Paperboard Mills . . . . .	W	W	26	6	5.7
27	Printing and Publishing . . . . .	1,162	W	7	2	19.9
28	Chemicals and Allied Products . . . . .	4,991	382	91	228	8.2
2812	Alkalies and Chlorine . . . . .	W	0	W	W	9.7
2813	Industrial Gases . . . . .	803	0	0	W	25.7
2816	Inorganic Pigments . . . . .	W	W	W	W	15.4
2819	Industrial Inorganic Chemicals, nec. . . . .	W	W	W	2	21.6
2821	Plastics Materials and Resins . . . . .	644	15	11	23	13.1
2822	Synthetic Rubber . . . . .	W	W	W	11	25.5
2823	Cellulosic Manmade Fibers . . . . .	W	W	0	W	1.1
2824	Organic Fibers, Noncellulosic . . . . .	W	W	0	W	11.1
2861	Gum and Wood Chemicals . . . . .	W	W	0	W	10.4
2865	Cyclic Crudes and Intermediates . . . . .	W	W	W	9	21.2
2869	Industrial Organic Chemicals, nec. . . . .	726	69	35	94	11.1
2873	Nitrogenous Fertilizers . . . . .	W	W	0	7	19.5
2874	Phosphatic Fertilizers . . . . .	94	0	0	W	9.7
2895	Carbon Black . . . . .	23	0	0	0	21.3
29	Petroleum and Coal Products . . . . .	1,525	W	70	65	8.9
2911	Petroleum Refining . . . . .	1,358	W	67	W	9.1
30	Rubber and Misc. Plastics Products . . . . .	2,377	5	W	5	15.6
3011	Tires and Inner Tubes . . . . .	194	0	W	W	14.2
308	Miscellaneous Plastics Products, nec. . . . .	W	W	W	2	14.8
31	Leather and Leather Products . . . . .	62	0	0	W	34.4
32	Stone, Clay and Glass Products . . . . .	1,718	W	W	W	17.6
3211	Flat Glass . . . . .	70	0	0	W	31.5
3221	Glass Containers . . . . .	208	0	0	0	12.2
3229	Pressed and Blown Glass, nec. . . . .	136	W	0	W	14.3
3241	Cement, Hydraulic . . . . .	430	0	0	0	18.3
3274	Lime . . . . .	54	0	0	0	33.5
3296	Mineral Wool . . . . .	143	0	0	0	18.3
33	Primary Metal Industries . . . . .	4,812	W	W	31	10.4
331	Blast Furnace and Basic Steel Products . . . . .	W	W	W	29	15.4
3312	Blast Furnaces and Steel Mills . . . . .	W	W	W	W	16.3
3313	Electrometallurgical Products . . . . .	W	W	0	W	88.2
3321	Gray and Ductile Iron Foundries . . . . .	W	0	0	0	21.3
3331	Primary Copper . . . . .	W	0	0	0	3.0
3334	Primary Aluminum . . . . .	W	0	W	0	1.5
3339	Primary Nonferrous Metals, nec. . . . .	119	0	0	W	23.4
3353	Aluminum Sheet, Plate, and Foil . . . . .	W	0	W	0	10.8

See footnotes at end of table.

**Table A18. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Industry Group, and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Million Dollars)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity		Steam		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
	<b>RSE Column Factors:</b>	0.3	1.6	1.4	1.3	
34	Fabricated Metal Products . . . . .	W	W	W	4	22.4
35	Industrial Machinery and Equipment . . . . .	1,937	W	W	W	22.2
357	Computer and Office Equipment . . . . .	246	0	W	0	42.6
36	Electronic and Other Electric Equipment . . . . .	1,793	W	W	W	18.6
37	Transportation Equipment . . . . .	1,971	W	W	13	17.3
3711	Motor Vehicles and Car Bodies . . . . .	W	W	W	W	32.4
3714	Motor Vehicle Parts and Accessories . . . . .	664	W	0	6	20.3
38	Instruments and Related Products . . . . .	826	8	W	W	17.5
3841	Surgical and Medical Instruments . . . . .	86	0	0	0	24.3
39	Misc. Manufacturing Industries . . . . .	W	W	W	W	27.6
	<b>Total</b> . . . . .	35,340	630	322	454	4.1

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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 A19. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Census Region, and Economic Characteristics of the Establishment, 1994**  
(Estimates in Million Dollars)

Economic Characteristics <sup>a</sup>	Electricity		Steam		RSE Row Factors
	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Total United States					
RSE Column Factors:	0.3	2.0	1.6	1.2	
Value of Shipments and Receipts (million dollars)					
Under 20 . . . . .	7,836	25	22	16	13.4
20-49 . . . . .	6,248	29	22	43	8.2
50-99 . . . . .	5,240	38	28	75	7.3
100-249 . . . . .	6,285	56	71	85	7.3
250-499 . . . . .	3,947	29	53	82	9.4
500 and Over . . . . .	5,784	452	125	152	7.6
Total . . . . .	35,340	630	322	454	4.1
Employment Size					
Under 50 . . . . .	3,808	24	12	9	13.9
50-99 . . . . .	3,376	26	15	57	11.3
100-249 . . . . .	7,702	43	59	90	9.0
250-499 . . . . .	6,675	37	77	53	7.4
500-999 . . . . .	6,369	57	49	118	6.2
1,000 and Over . . . . .	7,410	443	110	127	7.3
Total . . . . .	35,340	630	322	454	4.1
Northeast Census Region					
RSE Column Factors:	0.4	1.4	1.7	1.1	
Value of Shipments and Receipts (million dollars)					
Under 20 . . . . .	1,660	12	11	11	19.5
20-49 . . . . .	W	W	7	15	11.4
50-99 . . . . .	938	W	W	33	12.6
100-249 . . . . .	947	15	W	14	9.6
250-499 . . . . .	W	W	W	10	20.6
500 and Over . . . . .	694	W	W	31	12.4
Total . . . . .	5,912	111	56	114	7.1
Employment Size					
Under 50 . . . . .	792	W	3	W	21.4
50-99 . . . . .	641	W	8	18	19.0
100-249 . . . . .	1,363	W	9	19	15.1
250-499 . . . . .	1,052	8	W	W	10.4
500-999 . . . . .	1,009	W	11	46	12.4
1,000 and Over . . . . .	1,055	W	W	W	12.3
Total . . . . .	5,912	111	56	114	7.1

See footnotes at end of table.

**Table A19. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Census Region, and Economic Characteristics of the Establishment, 1994 (Continued)**  
(Estimates in Million Dollars)

Economic Characteristics <sup>a</sup>	Electricity		Steam		RSE Row Factors
	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Midwest Census Region					
RSE Column Factors:	0.3	2.2	1.3	1.3	
Value of Shipments and Receipts (million dollars)					
Under 20 . . . . .	W	W	W	W	19.4
20-49 . . . . .	W	W	3	9	18.8
50-99 . . . . .	1,407	W	14	19	14.7
100-249 . . . . .	1,533	13	36	8	11.7
250-499 . . . . .	W	W	15	W	13.6
500 and Over . . . . .	2,251	W	W	37	12.6
Total . . . . .	10,227	101	111	80	7.1
Employment Size					
Under 50 . . . . .	W	W	Q	W	17.4
50-99 . . . . .	W	W	4	W	15.0
100-249 . . . . .	2,150	W	23	18	15.2
250-499 . . . . .	1,819	Q	16	W	15.0
500-999 . . . . .	W	W	23	10	10.7
1,000 and Over . . . . .	2,788	63	39	34	12.0
Total . . . . .	10,227	101	111	80	7.1
South Census Region					
RSE Column Factors:	0.2	2.3	1.5	1.2	
Value of Shipments and Receipts (million dollars)					
Under 20 . . . . .	W	W	W	2	16.2
20-49 . . . . .	2,472	W	9	15	12.2
50-99 . . . . .	2,125	W	W	13	13.9
100-249 . . . . .	2,600	21	24	51	11.6
250-499 . . . . .	W	W	36	51	14.4
500 and Over . . . . .	W	W	68	38	9.7
Total . . . . .	13,636	338	144	170	7.5
Employment Size					
Under 50 . . . . .	W	W	W	W	22.3
50-99 . . . . .	W	W	W	18	14.8
100-249 . . . . .	2,901	W	24	45	13.6
250-499 . . . . .	2,936	13	39	W	12.3
500-999 . . . . .	W	W	16	39	10.3
1,000 and Over . . . . .	W	W	W	38	10.1
Total . . . . .	13,636	338	144	170	7.5

See footnotes at end of table.

**Table A19. Total Expenditures for Purchased Electricity and Steam by Type of Supplier, Census Region, and Economic Characteristics of the Establishment, 1994 (Continued)**  
(Estimates in Million Dollars)

Economic Characteristics <sup>a</sup>	Electricity		Steam		RSE Row Factors
	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
West Census Region					
RSE Column Factors:	0.3	1.7	1.7	1.2	
Value of Shipments and Receipts (million dollars)					
Under 20 . . . . .	1,469	W	W	W	20.6
20-49 . . . . .	919	W	3	4	15.3
50-99 . . . . .	770	W	W	10	12.3
100-249 . . . . .	1,206	7	W	13	13.7
250-499 . . . . .	W	W	W	W	16.1
500 and Over . . . . .	W	W	0	46	11.6
Total . . . . .	5,566	80	11	89	6.9
Employment Size					
Under 50 . . . . .	794	W	W	W	27.2
50-99 . . . . .	613	6	W	9	15.1
100-249 . . . . .	1,288	2	3	8	11.9
250-499 . . . . .	868	9	W	18	13.5
500-999 . . . . .	W	W	0	24	11.7
1,000 and Over . . . . .	W	W	W	W	12.6
Total . . . . .	5,566	80	11	89	6.9

<sup>a</sup> Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census. See Appendix B.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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," and Bureau of the Census, Industry Division, data files for the "1994 Annual Survey of Manufactures."



**Table A20. Average Prices of Selected Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity (kWh)	Residual Fuel Oil (gallons)	Distillate Fuel Oil <sup>b</sup> (gallons)	Natural Gas <sup>c</sup> (1000 cu ft)	LPG (gallons)	Coal (short tons)	RSE Row Factors
Total United States								
<b>RSE Column Factors:</b>		0.7	1.2	1.5	0.7	1.8	0.7	
20	Food and Kindred Products .....	0.054	0.42	0.76	2.93	0.62	32.21	1.7
21	Tobacco Products .....	0.050	0.44	0.58	3.47	0.59	W	2.7
22	Textile Mill Products .....	0.046	0.44	0.60	3.56	0.50	41.88	3.2
23	Apparel and Other Textile Products .....	0.073	0.47	0.71	4.13	0.69	W	5.4
24	Lumber and Wood Products .....	0.054	0.39	0.85	3.34	0.60	W	2.3
25	Furniture and Fixtures .....	0.064	0.52	0.77	4.00	0.81	49.97	2.9
26	Paper and Allied Products .....	0.041	0.37	0.64	2.61	0.66	40.77	1.3
27	Printing and Publishing .....	0.067	0.51	0.77	4.21	0.73	--	3.1
28	Chemicals and Allied Products .....	0.034	0.37	0.67	2.22	0.40	37.34	1.7
29	Petroleum and Coal Products .....	0.043	0.45	0.62	2.26	0.50	26.97	3.5
30	Rubber and Misc. Plastics Products .....	0.054	0.40	0.63	3.63	0.74	50.29	2.6
31	Leather and Leather Products .....	0.075	0.33	0.65	3.68	0.72	--	4.9
32	Stone, Clay and Glass Products .....	0.048	0.42	0.76	2.91	0.64	36.56	1.9
33	Primary Metal Industries .....	0.034	0.39	0.63	2.80	0.61	47.98	2.0
34	Fabricated Metal Products .....	0.063	0.56	0.75	3.60	0.81	45.91	4.2
35	Industrial Machinery and Equipment .....	0.061	0.48	0.73	3.82	0.86	36.33	2.9
36	Electronic and Other Electric Equipment .....	0.054	0.52	0.73	3.67	0.51	47.33	3.2
37	Transportation Equipment .....	0.052	0.40	0.57	3.41	0.54	41.57	3.8
38	Instruments and Related Products .....	0.062	0.45	0.72	3.88	0.75	W	3.5
39	Misc. Manufacturing Industries .....	0.057	W	0.54	4.55	0.63	W	5.0
	<b>Total</b> .....	0.046	0.39	0.71	2.65	0.41	41.85	1.4
Northeast Census Region								
<b>RSE Column Factors:</b>		0.7	0.8	1.2	0.8	1.7	1.0	
20	Food and Kindred Products .....	0.072	0.46	0.70	3.57	0.73	52.87	3.6
21	Tobacco Products .....	0.081	W	W	3.55	W	--	5.2
22	Textile Mill Products .....	0.078	0.42	0.61	4.03	0.49	W	3.2
23	Apparel and Other Textile Products .....	0.089	0.48	0.67	4.34	1.05	--	9.7
24	Lumber and Wood Products .....	0.071	W	0.77	4.23	0.59	--	5.6
25	Furniture and Fixtures .....	0.087	W	0.72	4.67	0.72	--	10.5
26	Paper and Allied Products .....	0.061	0.40	0.65	3.34	0.60	42.40	1.8
27	Printing and Publishing .....	0.087	0.52	0.73	5.34	0.85	--	4.4
28	Chemicals and Allied Products .....	0.051	0.43	0.68	3.49	0.50	49.72	2.8
29	Petroleum and Coal Products .....	0.050	W	0.59	2.87	0.43	37.06	3.4
30	Rubber and Misc. Plastics Products .....	0.074	0.49	0.69	4.82	0.64	W	4.3
31	Leather and Leather Products .....	0.103	0.38	0.64	4.09	0.74	--	6.0
32	Stone, Clay and Glass Products .....	0.061	0.41	0.71	3.28	0.67	37.43	3.1
33	Primary Metal Industries .....	0.044	0.39	0.59	3.39	0.72	49.04	3.9
34	Fabricated Metal Products .....	0.079	0.46	0.73	4.34	0.84	W	5.8
35	Industrial Machinery and Equipment .....	0.080	0.49	0.69	4.59	0.80	--	3.4
36	Electronic and Other Electric Equipment .....	0.066	0.55	0.70	3.82	0.47	W	4.5
37	Transportation Equipment .....	0.072	0.45	0.63	3.99	0.55	38.05	4.0
38	Instruments and Related Products .....	0.079	0.45	0.74	4.26	0.87	W	3.4
39	Misc. Manufacturing Industries .....	0.058	W	0.68	4.78	0.74	W	6.3
	<b>Total</b> .....	0.063	0.42	0.67	3.64	0.56	46.81	1.5

See footnotes at end of table.

**Table A20. Average Prices of Selected Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity (kWh)	Residual Fuel Oil (gallons)	Distillate Fuel Oil <sup>b</sup> (gallons)	Natural Gas <sup>c</sup> (1000 cu ft)	LPG (gallons)	Coal (short tons)	RSE Row Factors
Midwest Census Region								
RSE Column Factors:		0.7	0.9	1.4	0.8	1.9	0.8	
20	Food and Kindred Products .....	0.046	0.35	0.84	2.73	0.53	30.34	3.0
21	Tobacco Products .....	W	--	W	W	--	--	0.0
22	Textile Mill Products .....	0.059	--	W	3.17	1.03	--	4.8
23	Apparel and Other Textile Products .....	0.063	--	W	4.06	0.48	--	8.1
24	Lumber and Wood Products .....	0.055	0.37	0.89	3.73	0.53	W	4.4
25	Furniture and Fixtures .....	0.055	W	0.82	3.58	0.78	W	4.5
26	Paper and Allied Products .....	0.040	0.34	0.68	2.87	0.71	39.52	1.8
27	Printing and Publishing .....	0.059	W	0.83	3.75	0.63	--	3.8
28	Chemicals and Allied Products .....	0.031	0.39	0.58	2.51	W	36.61	3.1
29	Petroleum and Coal Products .....	0.040	0.41	0.58	3.21	0.66	40.54	3.4
30	Rubber and Misc. Plastics Products .....	0.051	0.31	0.67	3.42	0.85	46.38	3.1
31	Leather and Leather Products .....	0.053	W	0.95	3.19	0.65	--	3.6
32	Stone, Clay and Glass Products .....	0.045	W	0.86	2.93	0.63	34.23	3.7
33	Primary Metal Industries .....	0.038	0.41	0.70	2.68	0.52	47.54	2.5
34	Fabricated Metal Products .....	0.058	0.75	0.71	3.31	0.76	45.80	5.7
35	Industrial Machinery and Equipment .....	0.058	W	0.72	3.63	0.78	36.33	3.9
36	Electronic and Other Electric Equipment .....	0.048	W	0.73	3.37	0.51	45.87	3.6
37	Transportation Equipment .....	0.049	0.40	0.42	3.26	0.49	W	4.7
38	Instruments and Related Products .....	0.054	W	0.47	3.42	0.61	--	4.4
39	Misc. Manufacturing Industries .....	0.064	--	0.53	4.41	0.64	W	5.8
	<b>Total</b> .....	0.044	0.40	0.73	2.91	0.29	40.75	2.6
South Census Region								
RSE Column Factors:		0.7	0.9	1.5	0.8	1.9	0.7	
20	Food and Kindred Products .....	0.052	0.42	0.69	3.13	0.57	44.82	2.2
21	Tobacco Products .....	0.049	0.44	0.57	3.50	0.59	W	2.6
22	Textile Mill Products .....	0.044	0.45	0.60	3.50	0.49	41.66	4.0
23	Apparel and Other Textile Products .....	0.066	W	0.82	4.06	0.67	W	4.3
24	Lumber and Wood Products .....	0.056	W	0.77	3.20	0.62	W	3.0
25	Furniture and Fixtures .....	0.061	W	0.82	4.21	0.81	51.08	3.0
26	Paper and Allied Products .....	0.038	0.35	0.60	2.43	0.63	41.09	1.4
27	Printing and Publishing .....	0.060	0.44	0.63	4.10	0.69	--	3.9
28	Chemicals and Allied Products .....	0.034	0.35	0.63	2.15	0.41	36.40	1.6
29	Petroleum and Coal Products .....	0.039	0.38	0.63	2.08	0.65	W	2.9
30	Rubber and Misc. Plastics Products .....	0.047	0.39	0.59	3.34	0.69	48.85	2.5
31	Leather and Leather Products .....	0.073	W	W	5.07	0.68	--	3.7
32	Stone, Clay and Glass Products .....	0.043	0.33	0.73	2.80	0.58	37.79	2.6
33	Primary Metal Industries .....	0.032	0.34	0.63	2.81	0.57	45.43	2.0
34	Fabricated Metal Products .....	0.056	W	0.81	3.72	0.86	W	3.9
35	Industrial Machinery and Equipment .....	0.053	W	0.76	3.72	0.94	--	3.8
36	Electronic and Other Electric Equipment .....	0.048	0.40	0.79	3.62	0.53	W	4.2
37	Transportation Equipment .....	0.047	0.32	0.79	3.49	0.53	W	2.9
38	Instruments and Related Products .....	0.046	0.42	0.65	4.09	0.70	--	6.6
39	Misc. Manufacturing Industries .....	0.055	W	0.38	4.11	0.54	--	6.8
	<b>Total</b> .....	0.041	0.36	0.68	2.40	0.41	40.60	1.4

See footnotes at end of table.

**Table A20. Average Prices of Selected Purchased Energy Sources by Census Region and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity (kWh)	Residual Fuel Oil (gallons)	Distillate Fuel Oil <sup>b</sup> (gallons)	Natural Gas <sup>c</sup> (1000 cu ft)	LPG (gallons)	Coal (short tons)	RSE Row Factors
West Census Region								
<b>RSE Column Factors:</b>		0.7	0.9	1.6	0.9	1.4	0.8	
20	Food and Kindred Products .....	0.063	0.43	0.82	2.87	0.69	30.71	2.6
21	Tobacco Products .....	--	--	--	--	--	--	0.0
22	Textile Mill Products .....	0.071	--	--	3.76	0.87	--	7.3
23	Apparel and Other Textile Products .....	0.083	--	--	4.20	0.95	--	6.2
24	Lumber and Wood Products .....	0.048	0.42	0.96	2.99	0.65	--	3.7
25	Furniture and Fixtures .....	0.091	--	W	5.07	0.99	--	7.1
26	Paper and Allied Products .....	0.037	0.39	0.80	2.48	0.78	W	1.8
27	Printing and Publishing .....	0.081	--	1.08	4.32	0.86	--	4.1
28	Chemicals and Allied Products .....	0.034	0.56	1.02	2.04	0.92	43.35	4.4
29	Petroleum and Coal Products .....	0.051	--	0.71	2.11	0.92	W	3.9
30	Rubber and Misc. Plastics Products .....	0.072	W	0.95	4.68	0.90	W	5.8
31	Leather and Leather Products .....	0.084	--	--	W	W	--	15.3
32	Stone, Clay and Glass Products .....	0.053	0.46	0.75	2.84	0.74	36.50	3.4
33	Primary Metal Industries .....	0.027	W	0.57	2.58	0.68	57.33	1.7
34	Fabricated Metal Products .....	0.079	--	0.84	4.10	0.92	--	4.8
35	Industrial Machinery and Equipment .....	0.072	--	0.96	4.21	1.30	--	4.9
36	Electronic and Other Electric Equipment .....	0.061	--	0.83	4.57	1.15	--	5.6
37	Transportation Equipment .....	0.058	W	0.44	3.50	0.83	--	7.0
38	Instruments and Related Products .....	0.067	--	1.04	3.76	0.76	--	5.2
39	Misc. Manufacturing Industries .....	0.052	--	W	5.57	1.23	--	9.7
	<b>Total</b> .....	0.047	0.40	0.83	2.64	0.77	39.87	2.1

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

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 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.

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 A20. Average Prices of Selected Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 2**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity (kWh)	Residual Fuel Oil (gallons)	Distillate Fuel Oil <sup>b</sup> (gallons)	Natural Gas <sup>c</sup> (1000 cu ft)	LPG (gallons)	Coal (short tons)	RSE Row Factors
<b>RSE Column Factors:</b>		0.8	1.0	1.3	0.8	1.6	0.8	
20	Food and Kindred Products .....	0.054	0.42	0.76	2.93	0.62	32.21	1.7
2011	Meat Packing Plants .....	0.047	0.34	0.79	2.47	0.45	W	3.4
2033	Canned Fruits and Vegetables .....	0.070	0.44	0.79	2.79	0.67	W	2.7
2037	Frozen Fruits and Vegetables .....	0.047	0.41	0.57	2.86	0.66	--	3.6
2046	Wet Corn Milling .....	0.035	W	0.78	2.38	0.46	29.06	2.7
2051	Bread, Cake, and Related Products .....	0.059	0.53	0.62	3.58	0.75	--	4.9
2061	Cane Sugar, Except Refining .....	0.066	0.46	0.84	2.48	1.03	W	1.8
2062	Cane Sugar Refining .....	0.070	0.46	0.63	2.57	0.88	--	4.8
2063	Beet Sugar .....	0.048	0.39	0.82	2.27	0.62	31.48	1.0
2075	Soybean Oil Mills .....	0.041	0.33	0.63	2.59	0.74	32.75	1.1
2082	Malt Beverages .....	0.053	W	W	2.75	0.75	35.81	2.4
21	Tobacco Products .....	0.050	0.44	0.58	3.47	0.59	W	2.7
22	Textile Mill Products .....	0.046	0.44	0.60	3.56	0.50	41.88	3.2
23	Apparel and Other Textile Products .....	0.073	0.47	0.71	4.13	0.69	W	5.4
24	Lumber and Wood Products .....	0.054	0.39	0.85	3.34	0.60	W	2.3
2421	Sawmills and Planing Mills, General .....	0.056	W	0.83	3.00	0.72	--	2.7
2436	Softwood Veneer and Plywood .....	0.043	W	0.71	2.43	0.53	--	2.6
2493	Reconstituted Wood Products .....	0.045	0.37	0.73	3.09	0.44	W	2.6
25	Furniture and Fixtures .....	0.064	0.52	0.77	4.00	0.81	49.97	2.9
2511	Wood Furniture, Except Upholstered .....	0.064	0.51	0.82	4.25	0.79	51.10	3.1
26	Paper and Allied Products .....	0.041	0.37	0.64	2.61	0.66	40.77	1.3
2611	Pulp Mills .....	0.038	0.37	0.65	2.39	0.52	37.18	2.7
2621	Paper Mills .....	0.036	0.38	0.60	2.51	0.55	39.59	1.3
2631	Paperboard Mills .....	0.039	0.36	0.64	2.45	0.75	43.81	1.1
27	Printing and Publishing .....	0.067	0.51	0.77	4.21	0.73	--	3.2
28	Chemicals and Allied Products .....	0.034	0.37	0.67	2.22	0.40	37.34	1.7
2812	Alkalies and Chlorine .....	0.026	W	0.58	2.18	W	W	1.1
2813	Industrial Gases .....	0.035	--	W	2.26	W	W	3.5
2816	Inorganic Pigments .....	0.036	0.34	0.67	2.84	0.69	W	1.9
2819	Industrial Inorganic Chemicals, nec. ....	0.022	0.44	0.71	2.36	0.62	43.03	2.4
2821	Plastics Materials and Resins .....	0.039	0.47	0.68	2.19	0.50	39.78	2.1
2822	Synthetic Rubber .....	0.039	0.43	0.68	2.06	0.61	W	2.7
2823	Cellulosic Manmade Fibers .....	0.038	--	0.55	W	W	W	0.0
2824	Organic Fibers, Noncellulosic .....	0.038	0.37	0.61	2.57	0.57	W	1.5
2861	Gum and Wood Chemicals .....	0.043	W	0.31	2.52	0.42	W	1.9
2865	Cyclic Crudes and Intermediates .....	0.038	0.36	0.53	2.37	W	W	2.8
2869	Industrial Organic Chemicals, nec. ....	0.039	0.41	0.69	2.13	0.36	31.93	2.0
2873	Nitrogenous Fertilizers .....	0.037	--	0.71	2.01	0.96	--	2.7
2874	Phosphatic Fertilizers .....	0.043	0.42	0.70	2.70	0.67	W	1.3
2895	Carbon Black .....	0.040	0.34	0.70	2.37	W	--	1.5
29	Petroleum and Coal Products .....	0.043	0.45	0.62	2.26	0.50	26.97	3.5
2911	Petroleum Refining .....	0.041	--	W	2.21	W	42.85	1.2
30	Rubber and Misc. Plastics Products .....	0.054	0.40	0.63	3.63	0.74	50.29	2.6
3011	Tires and Inner Tubes .....	0.042	0.37	0.46	2.66	0.56	48.38	2.5
308	Miscellaneous Plastics Products, nec. ....	0.056	0.43	0.69	3.97	0.77	57.95	3.4
31	Leather and Leather Products .....	0.075	0.33	0.65	3.68	0.72	--	5.0
32	Stone, Clay and Glass Products .....	0.048	0.42	0.76	2.91	0.64	36.56	1.9
3211	Flat Glass .....	0.047	W	0.73	2.74	0.63	--	2.9
3221	Glass Containers .....	0.049	0.45	0.62	2.82	0.61	--	1.6
3229	Pressed and Blown Glass, nec. ....	0.043	W	0.49	3.02	0.65	--	2.8
3241	Cement, Hydraulic .....	0.040	0.34	0.63	2.30	0.83	35.61	3.8
3274	Lime .....	0.047	W	W	2.29	0.54	37.95	2.7
3296	Mineral Wool .....	0.042	W	0.60	2.70	0.57	--	1.6
33	Primary Metal Industries .....	0.034	0.39	0.63	2.80	0.61	47.98	2.0
331	Blast Furnace and Basic Steel Products .....	0.038	0.39	0.71	2.67	0.79	47.76	2.4
3312	Blast Furnaces and Steel Mills .....	0.037	0.39	0.72	2.61	0.69	47.30	1.6
3313	Electrometallurgical Products .....	0.029	--	0.73	3.83	0.76	72.42	6.4
3321	Gray and Ductile Iron Foundries .....	0.045	W	0.79	3.18	0.58	W	2.7
3331	Primary Copper .....	0.038	W	0.51	2.24	0.41	W	0.0
3334	Primary Aluminum <sup>d</sup> .....	0.022	W	0.60	2.76	0.56	312.86	1.1
3339	Primary Nonferrous Metals, nec. ....	0.028	W	0.71	2.56	0.75	55.62	2.7
3353	Aluminum Sheet, Plate, and Foil .....	0.039	--	0.66	2.78	0.53	W	1.1

See footnotes at end of table.

**Table A20. Average Prices of Selected Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity (kWh)	Residual Fuel Oil (gallons)	Distillate Fuel Oil <sup>b</sup> (gallons)	Natural Gas <sup>c</sup> (1000 cu ft)	LPG (gallons)	Coal (short tons)	RSE Row Factors
<b>RSE Column Factors:</b>		0.8	1.0	1.3	0.8	1.6	0.8	
34	Fabricated Metal Products .....	0.063	0.56	0.75	3.60	0.81	45.91	4.2
35	Industrial Machinery and Equipment .....	0.061	0.48	0.73	3.82	0.86	36.33	2.9
357	Computer and Office Equipment .....	0.059	W	0.60	3.03	0.83	--	4.5
36	Electronic and Other Electric Equipment .....	0.054	0.52	0.73	3.67	0.51	47.33	3.2
37	Transportation Equipment .....	0.052	0.40	0.57	3.41	0.54	41.57	3.8
3711	Motor Vehicles and Car Bodies .....	0.046	W	0.65	3.33	1.07	W	7.6
3714	Motor Vehicle Parts and Accessories .....	0.050	W	0.44	3.37	0.45	W	5.3
38	Instruments and Related Products .....	0.062	0.45	0.72	3.88	0.75	W	3.5
3841	Surgical and Medical Instruments .....	0.064	W	0.67	4.70	0.67	--	4.1
39	Misc. Manufacturing Industries .....	0.057	W	0.54	4.55	0.63	W	5.0
	<b>Total</b> .....	0.046	0.39	0.71	2.65	0.41	41.85	1.4

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> The price estimates for coal for SIC 3334 include anthracite coal for the production of carbon anodes. Because of the high cost of transporting anthracite from the East Coast to the West and South, the prices of coal in those regions are extremely high.

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 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.

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 A20. Average Prices of Selected Purchased Energy Sources by Census Region and Industry Group, 1994: Part 3**  
(Estimates in Dollars per Million Btu)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	RSE Row Factors
Total United States								
RSE Column Factors:		0.7	1.2	1.5	0.7	1.8	0.7	
20	Food and Kindred Products .....	15.74	2.79	5.47	2.85	7.15	1.46	1.7
21	Tobacco Products .....	14.55	2.92	4.17	3.37	6.87	W	2.7
22	Textile Mill Products .....	13.54	2.94	4.32	3.46	5.77	1.88	3.2
23	Apparel and Other Textile Products .....	21.50	3.14	5.15	4.01	8.01	W	5.4
24	Lumber and Wood Products .....	15.88	2.61	6.14	3.24	6.56	W	2.3
25	Furniture and Fixtures .....	18.69	3.48	5.57	3.88	9.42	2.27	2.9
26	Paper and Allied Products .....	12.10	2.49	4.59	2.53	7.18	1.83	1.3
27	Printing and Publishing .....	19.64	3.39	5.57	4.08	8.46	--	3.1
28	Chemicals and Allied Products .....	10.08	2.45	4.84	2.15	4.71	1.65	1.7
29	Petroleum and Coal Products .....	12.47	2.99	4.44	2.20	5.45	1.22	3.5
30	Rubber and Misc. Plastics Products .....	15.96	2.68	4.56	3.52	8.61	2.28	2.6
31	Leather and Leather Products .....	22.02	2.23	4.67	3.57	8.36	--	4.9
32	Stone, Clay and Glass Products .....	14.04	2.81	5.49	2.83	7.40	1.66	1.9
33	Primary Metal Industries .....	10.11	2.62	4.57	2.72	7.00	1.81	2.0
34	Fabricated Metal Products .....	18.38	3.75	5.44	3.49	9.45	2.08	4.2
35	Industrial Machinery and Equipment .....	17.97	3.18	5.24	3.71	10.02	1.65	2.9
36	Electronic and Other Electric Equipment .....	15.93	3.48	5.25	3.56	5.96	2.13	3.2
37	Transportation Equipment .....	15.21	2.68	4.12	3.31	6.28	1.87	3.8
38	Instruments and Related Products .....	18.12	2.99	5.20	3.77	8.67	W	3.5
39	Misc. Manufacturing Industries .....	16.73	W	3.88	4.42	7.38	W	5.0
	<b>Total</b> .....	13.38	2.58	5.14	2.58	4.82	1.75	1.4
Northeast Census Region								
RSE Column Factors:		0.7	0.8	1.2	0.8	1.7	1.0	
20	Food and Kindred Products .....	21.06	3.06	5.07	3.47	8.48	2.40	3.6
21	Tobacco Products .....	23.60	W	W	3.45	W	--	5.2
22	Textile Mill Products .....	22.75	2.81	4.41	3.91	5.72	W	3.2
23	Apparel and Other Textile Products .....	26.10	3.22	4.85	4.21	12.16	--	9.7
24	Lumber and Wood Products .....	20.89	W	5.52	4.11	6.39	--	5.6
25	Furniture and Fixtures .....	25.36	W	5.21	4.53	8.36	--	10.6
26	Paper and Allied Products .....	17.85	2.68	4.69	3.24	6.52	1.85	1.8
27	Printing and Publishing .....	25.53	3.46	5.26	5.19	9.91	--	4.4
28	Chemicals and Allied Products .....	14.86	2.87	4.89	3.39	5.69	2.20	3.0
29	Petroleum and Coal Products .....	14.58	W	4.23	2.79	4.69	1.68	3.4
30	Rubber and Misc. Plastics Products .....	21.70	3.28	4.97	4.68	7.49	W	4.3
31	Leather and Leather Products .....	30.26	2.57	4.60	3.98	8.61	--	6.0
32	Stone, Clay and Glass Products .....	17.80	2.74	5.10	3.18	7.80	1.70	3.1
33	Primary Metal Industries .....	12.88	2.63	4.27	3.29	8.26	1.84	3.9
34	Fabricated Metal Products .....	23.13	3.07	5.24	4.21	9.72	W	5.8
35	Industrial Machinery and Equipment .....	23.44	3.27	4.96	4.46	9.27	--	3.4
36	Electronic and Other Electric Equipment .....	19.36	3.68	5.03	3.70	5.46	W	4.5
37	Transportation Equipment .....	21.02	2.98	4.56	3.87	6.37	1.67	3.9
38	Instruments and Related Products .....	23.29	3.03	5.31	4.13	10.10	W	3.4
39	Misc. Manufacturing Industries .....	17.06	W	4.88	4.64	8.55	W	6.3
	<b>Total</b> .....	18.49	2.81	4.81	3.53	6.37	1.84	1.5

See footnotes at end of table.

**Table A20. Average Prices of Selected Purchased Energy Sources by Census Region and Industry Group, 1994: Part 3 (Continued)**  
(Estimates in Dollars per Million Btu)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	RSE Row Factors
Midwest Census Region								
	<b>RSE Column Factors:</b>	0.7	0.9	1.4	0.8	1.9	0.8	
20	Food and Kindred Products .....	13.53	2.36	6.05	2.65	6.22	1.38	3.0
21	Tobacco Products .....	W	--	W	W	--	--	0.0
22	Textile Mill Products .....	17.15	--	W	3.08	11.92	--	4.8
23	Apparel and Other Textile Products .....	18.55	--	W	3.94	5.53	--	8.1
24	Lumber and Wood Products .....	16.24	2.44	6.39	3.62	5.81	W	4.4
25	Furniture and Fixtures .....	16.21	W	5.93	3.48	9.12	W	4.5
26	Paper and Allied Products .....	11.78	2.25	4.91	2.78	7.76	1.79	1.8
27	Printing and Publishing .....	17.17	W	6.02	3.64	7.33	--	3.7
28	Chemicals and Allied Products .....	8.96	2.64	4.21	2.44	W	1.64	3.2
29	Petroleum and Coal Products .....	11.75	2.74	4.22	3.12	7.24	1.76	3.6
30	Rubber and Misc. Plastics Products .....	14.84	2.07	4.85	3.32	9.91	2.09	3.1
31	Leather and Leather Products .....	15.67	W	6.83	3.10	7.55	--	3.5
32	Stone, Clay and Glass Products .....	13.29	W	6.21	2.84	7.29	1.55	3.7
33	Primary Metal Industries .....	11.19	2.74	5.05	2.60	5.97	1.81	2.5
34	Fabricated Metal Products .....	17.01	5.03	5.14	3.21	8.84	2.08	5.7
35	Industrial Machinery and Equipment .....	16.96	W	5.23	3.52	9.05	1.65	3.9
36	Electronic and Other Electric Equipment .....	14.02	W	5.24	3.27	5.98	2.08	3.6
37	Transportation Equipment .....	14.33	2.70	2.99	3.17	5.66	W	4.7
38	Instruments and Related Products .....	15.70	W	3.41	3.32	7.11	--	4.3
39	Misc. Manufacturing Industries .....	18.82	--	3.85	4.28	7.49	W	5.8
	<b>Total</b> .....	12.96	2.65	5.26	2.82	3.54	1.70	2.3
South Census Region								
	<b>RSE Column Factors:</b>	0.7	0.9	1.5	0.8	1.9	0.7	
20	Food and Kindred Products .....	15.15	2.82	4.95	3.04	6.57	2.03	2.2
21	Tobacco Products .....	14.35	2.92	4.12	3.39	6.88	W	2.6
22	Textile Mill Products .....	12.87	3.03	4.30	3.40	5.75	1.87	4.0
23	Apparel and Other Textile Products .....	19.41	W	5.91	3.94	7.74	W	4.3
24	Lumber and Wood Products .....	16.50	W	5.54	3.11	6.75	W	3.0
25	Furniture and Fixtures .....	17.90	W	5.92	4.09	9.40	2.32	3.0
26	Paper and Allied Products .....	11.03	2.31	4.36	2.36	6.94	1.86	1.4
27	Printing and Publishing .....	17.56	2.96	4.55	3.98	7.97	--	4.0
28	Chemicals and Allied Products .....	9.98	2.33	4.55	2.09	4.79	1.60	1.6
29	Petroleum and Coal Products .....	11.34	2.54	4.53	2.02	7.11	W	2.9
30	Rubber and Misc. Plastics Products .....	13.77	2.61	4.26	3.25	7.97	2.22	2.5
31	Leather and Leather Products .....	21.37	W	W	4.93	7.87	--	3.7
32	Stone, Clay and Glass Products .....	12.56	2.23	5.25	2.72	6.76	1.71	2.6
33	Primary Metal Industries .....	9.26	2.27	4.54	2.73	6.58	1.71	2.1
34	Fabricated Metal Products .....	16.36	W	5.88	3.61	10.03	W	3.9
35	Industrial Machinery and Equipment .....	15.57	W	5.50	3.61	10.92	--	3.8
36	Electronic and Other Electric Equipment .....	14.09	2.69	5.67	3.51	6.18	W	4.3
37	Transportation Equipment .....	13.79	2.15	5.70	3.39	6.16	W	3.4
38	Instruments and Related Products .....	13.50	2.84	4.69	3.97	8.18	--	6.7
39	Misc. Manufacturing Industries .....	16.14	W	2.74	3.99	6.33	--	6.9
	<b>Total</b> .....	12.08	2.39	4.89	2.33	4.83	1.74	1.4

See footnotes at end of table.

**Table A20. Average Prices of Selected Purchased Energy Sources by Census Region and Industry Group, 1994: Part 3 (Continued)**  
(Estimates in Dollars per Million Btu)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	RSE Row Factors
West Census Region								
RSE Column Factors:		0.8	0.9	1.7	0.9	1.4	0.7	
20	Food and Kindred Products .....	18.45	2.86	5.94	2.79	8.00	1.39	2.6
21	Tobacco Products .....	--	--	--	--	--	--	0.0
22	Textile Mill Products .....	20.73	--	--	3.65	10.11	--	7.3
23	Apparel and Other Textile Products .....	24.40	--	--	4.08	11.10	--	6.1
24	Lumber and Wood Products .....	13.99	2.79	6.94	2.90	7.07	--	3.7
25	Furniture and Fixtures .....	26.74	--	W	4.92	11.53	--	7.0
26	Paper and Allied Products .....	10.76	2.59	5.74	2.41	8.64	W	1.8
27	Printing and Publishing .....	23.68	--	7.76	4.19	9.96	--	4.1
28	Chemicals and Allied Products .....	10.07	3.76	7.32	1.98	10.13	1.97	4.4
29	Petroleum and Coal Products .....	14.93	--	5.08	2.05	10.09	W	3.8
30	Rubber and Misc. Plastics Products .....	21.09	W	6.82	4.55	10.46	W	5.7
31	Leather and Leather Products .....	24.51	--	--	W	W	--	15.2
32	Stone, Clay and Glass Products .....	15.48	3.09	5.42	2.76	8.59	1.66	3.4
33	Primary Metal Industries .....	7.96	W	4.14	2.50	7.86	2.15	1.7
34	Fabricated Metal Products .....	23.26	--	6.07	3.98	10.69	--	4.8
35	Industrial Machinery and Equipment .....	21.16	--	6.92	4.08	15.10	--	4.9
36	Electronic and Other Electric Equipment .....	17.88	--	5.99	4.44	13.37	--	5.6
37	Transportation Equipment .....	16.86	W	3.17	3.40	9.71	--	7.0
38	Instruments and Related Products .....	19.78	--	7.52	3.65	8.87	--	5.1
39	Misc. Manufacturing Industries .....	15.27	--	W	5.41	14.25	--	9.6
	<b>Total</b> .....	13.80	2.69	5.99	2.56	8.83	1.75	2.0

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

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 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.

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 A20. Average Prices of Selected Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 4**  
(Estimates in Dollars per Million Btu)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	RSE Row Factors
<b>RSE Column Factors:</b>		0.8	1.0	1.2	0.8	1.6	0.8	
20	Food and Kindred Products . . . . .	15.74	2.79	5.47	2.85	7.15	1.46	1.7
2011	Meat Packing Plants . . . . .	13.71	2.30	5.66	2.40	5.28	W	3.5
2033	Canned Fruits and Vegetables . . . . .	20.59	2.91	5.67	2.71	7.73	W	2.7
2037	Frozen Fruits and Vegetables . . . . .	13.82	2.75	4.12	2.78	7.66	--	3.6
2046	Wet Corn Milling . . . . .	10.26	W	5.59	2.31	5.33	1.32	2.7
2051	Bread, Cake, and Related Products . . . . .	17.22	3.54	4.49	3.48	8.71	--	4.9
2061	Cane Sugar, Except Refining . . . . .	19.25	3.09	6.06	2.41	11.94	W	1.8
2062	Cane Sugar Refining . . . . .	20.60	3.06	4.56	2.50	10.18	--	4.8
2063	Beet Sugar . . . . .	14.19	2.57	5.95	2.21	7.26	1.43	1.0
2075	Soybean Oil Mills . . . . .	12.14	2.20	4.57	2.51	8.59	1.49	1.1
2082	Malt Beverages . . . . .	15.46	W	W	2.67	8.73	1.62	2.4
21	Tobacco Products . . . . .	14.55	2.92	4.17	3.37	6.87	W	2.7
22	Textile Mill Products . . . . .	13.54	2.94	4.32	3.46	5.77	1.88	3.2
23	Apparel and Other Textile Products . . . . .	21.50	3.14	5.15	4.01	8.01	W	5.4
24	Lumber and Wood Products . . . . .	15.88	2.61	6.14	3.24	6.56	W	2.3
2421	Sawmills and Planing Mills, General . . . . .	16.32	W	5.99	2.91	7.89	--	2.7
2436	Softwood Veneer and Plywood . . . . .	12.56	W	5.10	2.36	5.83	--	2.6
2493	Reconstituted Wood Products . . . . .	13.14	2.46	5.25	3.00	4.87	W	2.6
25	Furniture and Fixtures . . . . .	18.69	3.48	5.57	3.88	9.42	2.27	2.9
2511	Wood Furniture, Except Upholstered . . . . .	18.61	3.41	5.90	4.13	9.19	2.32	3.1
26	Paper and Allied Products . . . . .	12.10	2.49	4.59	2.53	7.18	1.83	1.3
2611	Pulp Mills . . . . .	11.22	2.46	4.71	2.32	5.69	1.69	2.7
2621	Paper Mills . . . . .	10.66	2.51	4.34	2.44	5.94	1.78	1.3
2631	Paperboard Mills . . . . .	11.35	2.43	4.65	2.38	8.24	1.98	1.1
27	Printing and Publishing . . . . .	19.64	3.39	5.57	4.08	8.46	--	3.2
28	Chemicals and Allied Products . . . . .	10.08	2.45	4.84	2.15	4.71	1.65	1.7
2812	Alkalies and Chlorine . . . . .	7.68	W	4.20	2.12	W	W	1.1
2813	Industrial Gases . . . . .	10.31	--	W	2.19	W	W	3.5
2816	Inorganic Pigments . . . . .	10.53	2.26	4.85	2.76	7.66	W	1.9
2819	Industrial Inorganic Chemicals, nec. . . . .	6.44	2.91	5.14	2.29	6.87	1.93	2.4
2821	Plastics Materials and Resins . . . . .	11.47	3.15	4.93	2.13	5.94	1.79	2.1
2822	Synthetic Rubber . . . . .	11.33	2.90	4.94	2.00	7.03	W	2.8
2823	Cellulosic Manmade Fibers . . . . .	11.04	--	3.96	W	W	W	0.0
2824	Organic Fibers, Noncellulosic . . . . .	11.22	2.44	4.39	2.49	6.21	W	1.5
2861	Gum and Wood Chemicals . . . . .	12.55	W	2.25	2.45	4.61	W	2.0
2865	Cyclic Crudes and Intermediates . . . . .	11.08	2.38	3.82	2.30	W	W	2.8
2869	Industrial Organic Chemicals, nec. . . . .	11.36	2.71	4.99	2.07	4.15	1.39	2.0
2873	Nitrogenous Fertilizers . . . . .	10.71	--	5.09	1.95	10.50	--	2.7
2874	Phosphatic Fertilizers . . . . .	12.63	2.81	5.05	2.62	7.31	W	1.3
2895	Carbon Black . . . . .	11.87	2.27	5.04	2.30	W	--	1.5
29	Petroleum and Coal Products . . . . .	12.47	2.99	4.44	2.20	5.45	1.22	3.5
2911	Petroleum Refining . . . . .	11.94	--	W	2.15	W	1.94	1.2
30	Rubber and Misc. Plastics Products . . . . .	15.96	2.68	4.56	3.52	8.61	2.28	2.6
3011	Tires and Inner Tubes . . . . .	12.20	2.45	3.33	2.58	6.47	2.20	2.5
308	Miscellaneous Plastics Products, nec. . . . .	16.31	2.87	4.96	3.86	8.93	2.63	3.4
31	Leather and Leather Products . . . . .	22.02	2.23	4.67	3.57	8.36	--	5.0
32	Stone, Clay and Glass Products . . . . .	14.04	2.81	5.49	2.83	7.40	1.66	1.9
3211	Flat Glass . . . . .	13.91	W	5.26	2.66	7.32	--	2.9
3221	Glass Containers . . . . .	14.28	2.98	4.49	2.73	7.07	--	1.6
3229	Pressed and Blown Glass, nec. . . . .	12.69	W	3.50	2.93	7.50	--	2.8
3241	Cement, Hydraulic . . . . .	11.69	2.24	4.51	2.23	9.66	1.62	3.8
3274	Lime . . . . .	13.71	W	W	2.23	6.32	1.72	2.7
3296	Mineral Wool . . . . .	12.34	W	4.36	2.62	6.59	--	1.6
33	Primary Metal Industries . . . . .	10.11	2.62	4.57	2.72	7.00	1.81	2.0
331	Blast Furnace and Basic Steel Products . . . . .	11.19	2.61	5.15	2.60	8.93	1.80	2.3
3312	Blast Furnaces and Steel Mills . . . . .	10.97	2.61	5.16	2.54	7.64	1.78	1.6
3313	Electrometallurgical Products . . . . .	8.64	--	5.23	3.71	8.88	2.83	6.9
3321	Gray and Ductile Iron Foundries . . . . .	13.10	W	5.71	3.09	6.39	W	2.7
3331	Primary Copper . . . . .	11.15	W	3.64	2.17	4.54	W	0.0
3334	Primary Aluminum <sup>d</sup> . . . . .	6.56	W	4.31	2.68	6.52	11.90	1.1
3339	Primary Nonferrous Metals, nec. . . . .	8.27	W	5.14	2.49	8.23	2.43	2.6
3353	Aluminum Sheet, Plate, and Foil . . . . .	11.38	--	4.78	2.70	6.15	W	1.1

See footnotes at end of table.

**Table A20. Average Prices of Selected Purchased Energy Sources by Industry Group and Selected Industries, 1994: Part 4 (Continued)**  
(Estimates in Dollars per Million Btu)

SIC Code <sup>a</sup>	Industry Group and Industry	Electricity	Residual Fuel Oil	Distillate Fuel Oil <sup>b</sup>	Natural Gas <sup>c</sup>	LPG	Coal	RSE Row Factors
<b>RSE Column Factors:</b>		0.8	1.0	1.2	0.8	1.6	0.8	
34	Fabricated Metal Products . . . . .	18.38	3.75	5.44	3.49	9.45	2.08	4.2
35	Industrial Machinery and Equipment . . . . .	17.97	3.18	5.24	3.71	10.02	1.65	2.9
357	Computer and Office Equipment . . . . .	17.28	W	4.30	2.94	9.67	--	4.5
36	Electronic and Other Electric Equipment . . . . .	15.93	3.48	5.25	3.56	5.96	2.13	3.2
37	Transportation Equipment . . . . .	15.21	2.68	4.12	3.31	6.28	1.87	3.8
3711	Motor Vehicles and Car Bodies . . . . .	13.59	W	4.70	3.23	12.41	W	7.6
3714	Motor Vehicle Parts and Accessories . . . . .	14.73	W	3.16	3.27	5.20	W	5.0
38	Instruments and Related Products . . . . .	18.12	2.99	5.20	3.77	8.67	W	3.5
3841	Surgical and Medical Instruments . . . . .	18.80	W	4.86	4.57	7.74	--	4.1
39	Misc. Manufacturing Industries . . . . .	16.73	W	3.88	4.42	7.38	W	5.0
	<b>Total</b> . . . . .	13.38	2.58	5.14	2.58	4.82	1.75	1.4

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

<sup>d</sup> The price estimates for coal for SIC 3334 include anthracite coal for the production of carbon anodes. Because of the high cost of transporting anthracite from the East Coast to the West and South, the prices of coal in those regions are extremely high.

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 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.

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 A21. Average Prices of Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1**  
(Estimates in Dollars per Physical Units)

		Electricity (kWh)		Steam (million Btu)		RSE Row Factors
SIC Code <sup>a</sup>	Industry Group and Industry	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Total United States						
RSE Column Factors:		0.4	1.3	1.3	1.6	
20	Food and Kindred Products . . . . .	0.054	0.075	3.80	2.61	3.5
21	Tobacco Products . . . . .	0.050	--	W	--	7.9
22	Textile Mill Products . . . . .	0.046	W	1.84	4.37	4.3
23	Apparel and Other Textile Products . . . . .	0.073	0.055	3.38	W	11.1
24	Lumber and Wood Products . . . . .	0.054	0.039	4.80	2.46	4.7
25	Furniture and Fixtures . . . . .	0.064	W	W	W	3.8
26	Paper and Allied Products . . . . .	0.041	0.053	2.94	3.48	2.7
27	Printing and Publishing . . . . .	0.067	0.131	7.24	5.21	7.6
28	Chemicals and Allied Products . . . . .	0.036	0.023	3.54	2.64	4.1
29	Petroleum and Coal Products . . . . .	0.042	W	3.03	3.49	2.0
30	Rubber and Misc. Plastics Products . . . . .	0.054	0.054	W	3.70	4.6
31	Leather and Leather Products . . . . .	0.075	--	--	W	10.6
32	Stone, Clay and Glass Products . . . . .	0.048	W	W	W	4.2
33	Primary Metal Industries . . . . .	0.034	W	W	4.36	3.7
34	Fabricated Metal Products . . . . .	0.063	W	W	7.33	9.0
35	Industrial Machinery and Equipment . . . . .	0.061	W	W	W	4.2
36	Electronic and Other Electric Equipment . . . . .	0.054	W	W	W	7.4
37	Transportation Equipment . . . . .	0.052	0.060	W	5.61	4.5
38	Instruments and Related Products . . . . .	0.062	0.092	W	W	4.7
39	Misc. Manufacturing Industries . . . . .	0.057	W	W	W	10.6
Total . . . . .		0.046	0.029	3.37	3.08	2.8
Northeast Census Region						
RSE Column Factors:		0.5	1.0	1.1	1.6	
20	Food and Kindred Products . . . . .	0.072	W	5.64	2.83	7.6
21	Tobacco Products . . . . .	0.081	--	--	--	7.4
22	Textile Mill Products . . . . .	0.078	W	2.27	4.54	7.1
23	Apparel and Other Textile Products . . . . .	0.089	W	W	--	7.5
24	Lumber and Wood Products . . . . .	0.072	W	--	W	12.9
25	Furniture and Fixtures . . . . .	0.087	--	--	--	7.4
26	Paper and Allied Products . . . . .	0.061	0.053	3.93	3.26	5.3
27	Printing and Publishing . . . . .	0.087	W	10.55	--	8.9
28	Chemicals and Allied Products . . . . .	0.050	0.060	3.88	5.33	4.0
29	Petroleum and Coal Products . . . . .	0.050	--	W	W	2.6
30	Rubber and Misc. Plastics Products . . . . .	0.074	W	2.99	W	5.7
31	Leather and Leather Products . . . . .	0.103	--	--	--	7.4
32	Stone, Clay and Glass Products . . . . .	0.061	W	--	W	3.8
33	Primary Metal Industries . . . . .	0.044	W	W	W	4.9
34	Fabricated Metal Products . . . . .	0.079	W	W	W	8.9
35	Industrial Machinery and Equipment . . . . .	0.081	W	--	W	1.9
36	Electronic and Other Electric Equipment . . . . .	0.066	W	W	W	9.2
37	Transportation Equipment . . . . .	0.071	W	--	W	2.6
38	Instruments and Related Products . . . . .	0.079	0.093	W	W	4.3
39	Misc. Manufacturing Industries . . . . .	0.058	W	W	W	11.1
Total . . . . .		0.063	0.065	3.40	4.03	3.1

See footnotes at end of table.

**Table A21. Average Prices of Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup> Industry Group and Industry		Electricity (kWh)		Steam (million Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Midwest Census Region						
RSE Column Factors:		0.6	0.8	1.8	1.1	
20	Food and Kindred Products .....	0.046	W	4.05	--	2.7
21	Tobacco Products .....	W	--	--	--	0.0
22	Textile Mill Products .....	0.059	--	--	W	9.8
23	Apparel and Other Textile Products .....	0.063	--	W	--	8.1
24	Lumber and Wood Products .....	0.056	W	W	--	12.1
25	Furniture and Fixtures .....	0.055	--	W	W	4.9
26	Paper and Allied Products .....	0.040	W	2.68	W	1.6
27	Printing and Publishing .....	0.059	--	8.25	W	4.5
28	Chemicals and Allied Products .....	0.030	0.037	5.59	3.31	4.3
29	Petroleum and Coal Products .....	0.040	--	W	W	1.6
30	Rubber and Misc. Plastics Products .....	0.051	W	W	--	1.9
31	Leather and Leather Products .....	0.053	--	--	W	6.5
32	Stone, Clay and Glass Products .....	0.045	--	W	--	3.3
33	Primary Metal Industries .....	0.038	W	W	4.63	3.1
34	Fabricated Metal Products .....	0.058	W	W	W	7.1
35	Industrial Machinery and Equipment .....	0.058	W	W	--	3.3
36	Electronic and Other Electric Equipment .....	0.048	W	W	--	3.3
37	Transportation Equipment .....	0.049	W	W	W	4.8
38	Instruments and Related Products .....	0.054	W	--	--	4.9
39	Misc. Manufacturing Industries .....	0.064	--	--	--	8.1
Total .....		0.044	0.045	4.06	3.84	3.1
South Census Region						
RSE Column Factors:		0.4	1.1	1.5	1.5	
20	Food and Kindred Products .....	0.052	W	2.61	W	3.4
21	Tobacco Products .....	0.049	--	W	--	7.3
22	Textile Mill Products .....	0.044	W	1.68	W	3.1
23	Apparel and Other Textile Products .....	0.066	W	W	W	5.9
24	Lumber and Wood Products .....	0.056	W	W	2.56	5.8
25	Furniture and Fixtures .....	0.061	W	W	--	4.9
26	Paper and Allied Products .....	0.038	W	2.58	W	1.0
27	Printing and Publishing .....	0.060	--	W	W	9.8
28	Chemicals and Allied Products .....	0.037	W	3.03	2.17	3.4
29	Petroleum and Coal Products .....	0.039	W	W	2.14	1.9
30	Rubber and Misc. Plastics Products .....	0.047	W	W	3.65	3.3
31	Leather and Leather Products .....	0.073	--	--	--	12.2
32	Stone, Clay and Glass Products .....	0.043	W	--	W	4.9
33	Primary Metal Industries .....	0.032	--	--	--	2.5
34	Fabricated Metal Products .....	0.056	--	--	--	4.9
35	Industrial Machinery and Equipment .....	0.053	--	--	--	4.9
36	Electronic and Other Electric Equipment .....	0.048	--	--	--	4.9
37	Transportation Equipment .....	0.047	0.048	--	--	8.7
38	Instruments and Related Products .....	0.046	--	--	--	31.8
39	Misc. Manufacturing Industries .....	0.055	--	--	--	14.7
Total .....		0.042	0.021	3.06	2.30	2.8

See footnotes at end of table.

**Table A21. Average Prices of Purchased Electricity and Steam by Type of Supplier, Census Region, and Industry Group, 1994: Part 1 (Continued)**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup> Industry Group and Industry		Electricity (kWh)		Steam (million Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
West Census Region						
RSE Column Factors:		0.6	1.6	1.0	1.1	
20	Food and Kindred Products . . . . .	0.063	0.070	W	2.41	3.5
21	Tobacco Products . . . . .	--	--	--	--	0.0
22	Textile Mill Products . . . . .	0.071	W	W	--	10.5
23	Apparel and Other Textile Products . . . . .	0.083	W	W	--	3.9
24	Lumber and Wood Products . . . . .	0.048	0.041	W	2.58	7.4
25	Furniture and Fixtures . . . . .	0.091	W	--	--	8.8
26	Paper and Allied Products . . . . .	0.037	W	W	3.70	6.1
27	Printing and Publishing . . . . .	0.081	W	--	--	5.3
28	Chemicals and Allied Products . . . . .	0.035	W	W	3.33	5.6
29	Petroleum and Coal Products . . . . .	0.051	W	W	4.36	2.2
30	Rubber and Misc. Plastics Products . . . . .	0.072	--	--	W	5.3
31	Leather and Leather Products . . . . .	0.084	--	--	--	24.6
32	Stone, Clay and Glass Products . . . . .	0.053	--	--	W	3.5
33	Primary Metal Industries . . . . .	0.027	W	--	W	3.7
34	Fabricated Metal Products . . . . .	0.079	--	--	--	5.3
35	Industrial Machinery and Equipment . . . . .	0.072	--	W	--	5.3
36	Electronic and Other Electric Equipment . . . . .	0.061	--	--	--	8.8
37	Transportation Equipment . . . . .	0.058	W	W	W	8.7
38	Instruments and Related Products . . . . .	0.067	W	W	--	3.6
39	Misc. Manufacturing Industries . . . . .	0.052	--	--	--	24.6
	<b>Total</b> . . . . .	0.047	0.043	2.36	3.69	3.7

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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 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.

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 A21. Average Prices of Purchased Electricity and Steam by Type of Supplier, Industry Group, and Selected Industries, 1994: Part 2**  
(Estimates in Dollars per Physical Units)

SIC Code <sup>a</sup> Industry Group and Industry		Electricity (kWh)		Steam (million Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
RSE Column Factors:		0.5	1.1	1.2	1.5	
20	Food and Kindred Products . . . . .	0.054	0.075	3.80	2.61	3.5
2011	Meat Packing Plants . . . . .	0.047	--	W	--	1.9
2033	Canned Fruits and Vegetables . . . . .	0.070	--	W	W	4.2
2037	Frozen Fruits and Vegetables . . . . .	0.047	W	W	2.74	3.3
2046	Wet Corn Milling . . . . .	0.035	W	W	W	4.9
2051	Bread, Cake, and Related Products . . . . .	0.058	W	W	--	6.2
2061	Cane Sugar, Except Refining . . . . .	0.066	--	--	--	4.2
2062	Cane Sugar Refining . . . . .	0.070	--	W	--	8.3
2063	Beet Sugar . . . . .	0.048	--	--	--	2.1
2075	Soybean Oil Mills . . . . .	0.041	--	3.00	W	2.1
2082	Malt Beverages . . . . .	0.053	--	--	--	4.2
21	Tobacco Products . . . . .	0.050	--	W	--	6.2
22	Textile Mill Products . . . . .	0.046	W	1.84	4.37	4.3
23	Apparel and Other Textile Products . . . . .	0.073	0.055	3.38	W	11.1
24	Lumber and Wood Products . . . . .	0.054	0.039	4.80	2.46	4.7
2421	Sawmills and Planing Mills, General . . . . .	0.056	0.038	W	2.46	6.3
2436	Softwood Veneer and Plywood . . . . .	0.043	W	--	W	7.1
2493	Reconstituted Wood Products . . . . .	0.045	--	W	W	6.2
25	Furniture and Fixtures . . . . .	0.064	W	W	W	3.8
2511	Wood Furniture, Except Upholstered . . . . .	0.064	--	W	--	6.2
26	Paper and Allied Products . . . . .	0.041	0.053	2.94	3.48	2.7
2611	Pulp Mills . . . . .	0.038	W	--	2.54	3.7
2621	Paper Mills . . . . .	0.036	0.047	2.56	3.67	3.4
2631	Paperboard Mills . . . . .	0.039	W	3.08	2.70	2.1
27	Printing and Publishing . . . . .	0.067	0.131	7.24	5.21	7.6
28	Chemicals and Allied Products . . . . .	0.036	0.023	3.54	2.64	4.1
2812	Alkalies and Chlorine . . . . .	0.026	--	W	W	1.9
2813	Industrial Gases . . . . .	0.035	--	--	W	7.9
2816	Inorganic Pigments . . . . .	0.036	W	W	W	2.0
2819	Industrial Inorganic Chemicals, nec. . . . .	0.024	W	W	2.75	2.7
2821	Plastics Materials and Resins . . . . .	0.039	0.040	4.02	3.65	3.1
2822	Synthetic Rubber . . . . .	0.038	0.042	W	3.45	2.6
2823	Cellulosic Manmade Fibers . . . . .	W	W	--	W	0.0
2824	Organic Fibers, Noncellulosic . . . . .	0.038	W	--	W	1.2
2861	Gum and Wood Chemicals . . . . .	0.043	W	--	W	1.2
2865	Cyclic Crudes and Intermediates . . . . .	0.038	W	W	4.25	4.9
2869	Industrial Organic Chemicals, nec. . . . .	0.038	0.047	4.36	1.87	4.3
2873	Nitrogenous Fertilizers . . . . .	0.038	W	--	3.27	6.0
2874	Phosphatic Fertilizers . . . . .	0.043	--	--	W	2.1
2895	Carbon Black . . . . .	0.040	--	--	--	2.1
29	Petroleum and Coal Products . . . . .	0.042	W	3.03	3.49	2.0
2911	Petroleum Refining . . . . .	0.040	W	2.98	3.49	2.0
30	Rubber and Misc. Plastics Products . . . . .	0.054	0.054	W	3.70	4.6
3011	Tires and Inner Tubes . . . . .	0.042	--	W	2.68	8.2
308	Miscellaneous Plastics Products, nec. . . . .	0.056	0.053	W	4.90	5.5
31	Leather and Leather Products . . . . .	0.075	--	--	W	8.3
32	Stone, Clay and Glass Products . . . . .	0.048	W	W	W	4.0
3211	Flat Glass . . . . .	0.047	--	--	W	4.2
3221	Glass Containers . . . . .	0.049	--	--	--	2.1
3229	Pressed and Blown Glass, nec. . . . .	0.043	W	--	W	2.3
3241	Cement, Hydraulic . . . . .	0.040	--	--	--	4.2
3274	Lime . . . . .	0.047	--	--	--	6.2
3296	Mineral Wool . . . . .	0.042	--	--	--	4.2
33	Primary Metal Industries . . . . .	0.034	W	W	4.36	3.7
331	Blast Furnace and Basic Steel Products . . . . .	0.038	W	W	4.57	2.8
3312	Blast Furnaces and Steel Mills . . . . .	0.037	W	W	W	1.6
3313	Electrometallurgical Products . . . . .	0.029	W	--	W	11.5
3321	Gray and Ductile Iron Foundries . . . . .	0.045	--	--	--	4.2
3331	Primary Copper . . . . .	0.038	--	--	--	0.0
3334	Primary Aluminum . . . . .	0.022	--	W	--	2.1
3339	Primary Nonferrous Metals, nec. . . . .	0.028	--	--	W	8.3
3353	Aluminum Sheet, Plate, and Foil . . . . .	0.039	--	W	--	2.1

See footnotes at end of table.

**Table A21. Average Prices of Purchased Electricity and Steam by Type of Supplier, Industry Group, and Selected Industries, 1994: Part 2 (Continued)**  
(Estimates in Dollars per Physical Units)

		Electricity (kWh)		Steam (million Btu)		RSE Row Factors
		Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
SIC Code <sup>a</sup>	Industry Group and Industry					
RSE Column Factors:		0.5	1.1	1.2	1.5	
34	Fabricated Metal Products . . . . .	0.063	W	W	7.33	9.0
35	Industrial Machinery and Equipment . . . . .	0.061	W	W	W	4.2
357	Computer and Office Equipment . . . . .	0.059	--	W	--	8.3
36	Electronic and Other Electric Equipment . . . . .	0.054	W	W	W	7.4
37	Transportation Equipment . . . . .	0.052	0.060	W	5.61	4.5
3711	Motor Vehicles and Car Bodies . . . . .	0.046	W	W	W	8.3
3714	Motor Vehicle Parts and Accessories . . . . .	0.050	W	--	6.19	2.8
38	Instruments and Related Products . . . . .	0.062	0.092	W	W	4.7
3841	Surgical and Medical Instruments . . . . .	0.064	--	--	--	6.2
39	Misc. Manufacturing Industries . . . . .	0.057	W	W	W	8.3
	Total . . . . .	0.046	0.029	3.37	3.08	2.8

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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 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.

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 A22. Average Prices of Purchased Electricity and Steam by Type of Supplier, Census Region, and Economic Characteristics of the Establishment, 1994**  
(Estimates in Dollars per Physical Units)

Economic Characteristics <sup>a</sup>	Electricity (kWh)		Steam (million Btu)		RSE Row Factors
	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Total United States					
RSE Column Factors:	0.3	1.6	1.5	1.3	
Value of Shipments and Receipts (million dollars)					
Under 20 .....	0.065	0.059	4.33	3.91	7.4
20-49 .....	0.051	0.046	3.71	3.34	3.2
50-99 .....	0.047	0.038	2.99	4.94	3.9
100-249 .....	0.039	0.046	3.34	2.94	3.0
250-499 .....	0.038	0.046	2.49	2.99	3.8
500 and Over .....	0.039	0.026	3.86	2.58	4.1
Total .....	0.046	0.029	3.37	3.08	2.8
Employment Size					
Under 50 .....	0.061	0.050	3.83	3.16	6.7
50-99 .....	0.058	0.048	4.35	3.49	6.1
100-249 .....	0.051	0.045	3.04	3.13	3.5
250-499 .....	0.046	0.036	2.76	2.30	4.6
500-999 .....	0.039	0.051	3.47	2.91	2.8
1,000 and Over .....	0.040	0.025	3.98	3.52	3.6
Total .....	0.046	0.029	3.37	3.08	2.8
Northeast Census Region					
RSE Column Factors:	0.5	1.1	1.7	1.1	
Value of Shipments and Receipts (million dollars)					
Under 20 .....	0.080	0.075	4.39	5.69	11.6
20-49 .....	0.067	W	4.31	3.26	5.6
50-99 .....	0.063	0.074	3.86	6.17	4.8
100-249 .....	0.051	0.066	3.74	3.02	3.7
250-499 .....	0.056	0.045	W	4.07	11.2
500 and Over .....	0.055	0.072	W	3.28	3.5
Total .....	0.063	0.065	3.40	4.03	3.1
Employment Size					
Under 50 .....	0.078	0.130	3.03	W	6.8
50-99 .....	0.075	0.051	5.63	4.26	9.6
100-249 .....	0.069	0.059	3.24	4.15	5.2
250-499 .....	0.064	0.075	W	3.77	3.7
500-999 .....	0.049	0.083	3.71	3.75	5.6
1,000 and Over .....	0.058	0.063	W	4.44	3.9
Total .....	0.063	0.065	3.40	4.03	3.1

See footnotes at end of table.



**Table A22. Average Prices of Purchased Electricity and Steam by Type of Supplier, Census Region, and Economic Characteristics of the Establishment, 1994 (Continued)**  
(Estimates in Dollars per Physical Units)

Economic Characteristics <sup>a</sup>	Electricity (kWh)		Steam (million Btu)		RSE Row Factors
	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
Midwest Census Region					
RSE Column Factors:	0.5	1.1	1.5	1.2	
Value of Shipments and Receipts (million dollars)					
Under 20 .....	0.062	W	3.60	W	3.6
20-49 .....	0.050	0.047	5.94	5.05	5.0
50-99 .....	0.047	0.062	3.48	5.65	3.6
100-249 .....	0.041	0.037	3.40	3.24	3.1
250-499 .....	0.037	W	3.62	2.85	2.8
500 and Over .....	0.034	0.047	5.85	3.42	5.0
Total .....	0.044	0.045	4.06	3.84	3.1
Employment Size					
Under 50 .....	0.059	W	3.81	2.53	4.4
50-99 .....	0.056	0.034	3.43	5.09	4.5
100-249 .....	0.050	0.049	3.78	5.26	4.2
250-499 .....	0.045	0.050	3.91	4.19	5.4
500-999 .....	0.042	W	3.07	2.79	2.9
1,000 and Over .....	0.035	0.047	5.59	3.57	4.6
Total .....	0.044	0.045	4.06	3.84	3.1
South Census Region					
RSE Column Factors:	0.3	1.3	1.5	1.6	
Value of Shipments and Receipts (million dollars)					
Under 20 .....	0.058	0.057	6.87	1.58	5.4
20-49 .....	0.046	0.047	3.00	3.02	3.9
50-99 .....	0.043	0.041	1.44	3.75	4.7
100-249 .....	0.037	0.039	3.17	3.07	4.4
250-499 .....	0.036	W	2.44	2.60	2.1
500 and Over .....	0.038	W	3.65	1.35	2.9
Total .....	0.042	0.021	3.06	2.30	2.8
Employment Size					
Under 50 .....	0.054	0.059	7.09	W	5.1
50-99 .....	0.050	0.041	W	2.50	2.8
100-249 .....	0.045	0.039	3.15	2.65	4.1
250-499 .....	0.042	0.044	2.36	1.45	5.0
500-999 .....	0.038	W	4.05	2.14	2.8
1,000 and Over .....	0.038	W	W	2.90	2.3
Total .....	0.042	0.021	3.06	2.30	2.8

See footnotes at end of table.

**Table A22. Average Prices of Purchased Electricity and Steam by Type of Supplier, Census Region, and Economic Characteristics of the Establishment, 1994 (Continued)**  
(Estimates in Dollars per Physical Units)

Economic Characteristics <sup>a</sup>	Electricity (kWh)		Steam (million Btu)		RSE Row Factors
	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	Utility Supplier <sup>b</sup>	Nonutility Supplier <sup>c</sup>	
West Census Region					
RSE Column Factors:	0.5	1.5	1.7	0.8	
Value of Shipments and Receipts (million dollars)					
Under 20 . . . . .	0.068	0.060	W	3.58	6.0
20-49 . . . . .	0.054	0.035	4.03	2.64	7.4
50-99 . . . . .	0.047	0.019	W	3.30	5.8
100-249 . . . . .	0.033	0.072	W	2.38	3.5
250-499 . . . . .	0.037	W	W	W	2.6
500 and Over . . . . .	0.052	W	0.00	4.42	2.6
Total . . . . .	0.047	0.043	2.36	3.69	3.7
Employment Size					
Under 50 . . . . .	0.065	0.055	W	3.58	5.5
50-99 . . . . .	0.061	0.060	W	3.59	5.3
100-249 . . . . .	0.053	0.033	1.16	2.07	4.8
250-499 . . . . .	0.046	0.019	5.28	5.51	7.1
500-999 . . . . .	0.034	W	0.00	3.58	3.0
1,000 and Over . . . . .	0.044	W	W	W	1.6
Total . . . . .	0.047	0.043	2.36	3.69	3.7

<sup>a</sup> Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census. See Appendix B.

<sup>b</sup> See Glossary for definition of Electric Utility.

<sup>c</sup> Includes independent power producers, small power producers, cogenerators not located at the establishment site, and any other supplier(s), such as producers, brokers, and marketers.

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 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.

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 Bureau of the Census, Industry Division, data files for the "1994 Annual Survey of Manufactures."

**Table A23. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1**

SIC Code <sup>a</sup>	Industry Group	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts <sup>b</sup> as a Percent of Consumption (percents)	Fuel Oil <sup>c</sup> as a Percent of Natural Gas (percents)	RSE Row Factors
Total United States							
	<b>RSE Column Factors:</b>	0.7	0.8	0.7	2.0	1.3	
20	Food and Kindred Products .....	806.0	6.7	2.7	0.2	7.7	5.0
21	Tobacco Products .....	W	W	W	0.0	32.0	15.5
22	Textile Mill Products .....	516.9	9.5	3.9	0.0	W	8.5
23	Apparel and Other Textile Products .....	47.5	0.9	0.4	0.0	W	22.4
24	Lumber and Wood Products .....	675.6	10.1	4.3	0.2	W	11.9
25	Furniture and Fixtures .....	117.0	2.2	1.1	*	5.4	9.5
26	Paper and Allied Products .....	4,398.1	43.5	19.0	33.5	31.6	3.1
27	Printing and Publishing .....	85.1	1.0	0.7	0.0	W	7.3
28	Chemicals and Allied Products .....	4,087.1	19.1	10.3	8.2	3.9	4.7
29	Petroleum and Coal Products .....	28,783.6	113.1	22.3	41.1	W	3.0
30	Rubber and Misc. Plastics Products .....	317.7	4.2	2.2	*	12.0	5.7
31	Leather and Leather Products .....	W	W	W	0.0	36.8	19.2
32	Stone, Clay and Glass Products .....	2,033.4	22.7	13.2	0.1	7.0	8.3
33	Primary Metal Industries .....	3,952.2	39.8	16.1	W	6.9	4.8
34	Fabricated Metal Products .....	282.9	4.0	2.0	W	3.3	10.4
35	Industrial Machinery and Equipment .....	147.0	1.6	0.8	0.0	W	5.6
36	Electronic and Other Electric Equipment .....	165.4	1.7	0.9	W	4.9	11.3
37	Transportation Equipment .....	231.3	2.4	0.9	Q	11.5	5.8
38	Instruments and Related Products .....	134.9	1.1	0.8	0.1	W	13.7
39	Misc. Manufacturing Industries .....	140.0	2.0	1.1	0.0	11.0	20.8
	<b>Total</b> .....	1,002.3	10.6	5.0	W	9.7	2.4
Northeast Census Region							
	<b>RSE Column Factors:</b>	0.8	0.9	0.8	1.5	1.1	
20	Food and Kindred Products .....	513.7	4.0	1.7	W	W	6.7
21	Tobacco Products .....	W	W	W	0.0	15.5	40.2
22	Textile Mill Products .....	394.7	7.4	3.8	0.0	W	12.5
23	Apparel and Other Textile Products .....	W	W	W	0.0	10.8	31.5
24	Lumber and Wood Products .....	451.8	5.2	3.0	0.0	W	32.9
25	Furniture and Fixtures .....	134.6	1.9	1.1	0.0	24.0	20.3
26	Paper and Allied Products .....	2,360.8	27.0	11.7	17.6	161.1	6.3
27	Printing and Publishing .....	74.8	0.8	0.6	0.0	W	9.8
28	Chemicals and Allied Products .....	781.0	3.9	2.4	W	43.3	10.4
29	Petroleum and Coal Products .....	15,809.5	44.8	13.5	36.3	54.6	5.5
30	Rubber and Misc. Plastics Products .....	253.9	3.8	1.9	W	W	10.4
31	Leather and Leather Products .....	W	W	W	0.0	68.4	23.0
32	Stone, Clay and Glass Products .....	1,618.0	18.7	11.1	0.0	W	10.0
33	Primary Metal Industries .....	2,175.7	24.2	9.9	26.3	7.5	12.3
34	Fabricated Metal Products .....	262.5	3.6	1.9	W	13.5	10.4
35	Industrial Machinery and Equipment .....	129.8	1.5	0.8	0.0	16.9	8.6
36	Electronic and Other Electric Equipment .....	237.1	2.5	1.5	W	W	25.7
37	Transportation Equipment .....	233.5	2.9	1.2	0.0	59.0	8.7
38	Instruments and Related Products .....	207.7	1.5	1.0	0.2	48.6	20.2
39	Misc. Manufacturing Industries .....	234.9	2.8	1.6	0.0	22.3	32.4
	<b>Total</b> .....	543.6	5.5	2.8	W	37.7	6.1

See footnotes at end of table.

**Table A23. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)**

SIC Code <sup>a</sup>	Industry Group	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts <sup>b</sup> as a Percent of Consumption (percents)	Fuel Oil <sup>c</sup> as a Percent of Natural Gas (percents)	RSE Row Factors
Midwest Census Region							
RSE Column Factors:		0.7	0.8	0.7	1.5	1.7	
20	Food and Kindred Products .....	1,043.9	7.8	2.9	W	W	8.4
21	Tobacco Products .....	W	W	W	0.0	*	0.0
22	Textile Mill Products .....	377.6	4.9	2.7	0.0	W	23.8
23	Apparel and Other Textile Products .....	53.8	1.2	0.6	0.0	W	16.7
24	Lumber and Wood Products .....	316.9	3.8	1.9	0.0	W	22.9
25	Furniture and Fixtures .....	150.7	2.3	1.2	*	0.7	12.4
26	Paper and Allied Products .....	2,034.3	20.6	9.3	W	5.2	7.2
27	Printing and Publishing .....	96.4	1.1	0.8	0.0	W	13.9
28	Chemicals and Allied Products .....	2,157.1	10.0	5.5	0.2	1.5	9.3
29	Petroleum and Coal Products .....	21,439.2	97.1	18.9	43.8	W	4.9
30	Rubber and Misc. Plastics Products .....	311.2	4.5	2.3	W	4.7	8.7
31	Leather and Leather Products .....	W	W	W	0.0	10.5	39.0
32	Stone, Clay and Glass Products .....	1,938.6	19.8	11.5	0.0	W	12.5
33	Primary Metal Industries .....	5,069.6	50.0	21.6	18.0	8.1	5.9
34	Fabricated Metal Products .....	312.6	4.4	2.2	0.0	W	14.7
35	Industrial Machinery and Equipment .....	172.2	2.0	1.0	0.0	4.6	8.3
36	Electronic and Other Electric Equipment .....	155.0	1.6	0.9	0.0	0.8	9.9
37	Transportation Equipment .....	296.0	2.8	0.9	Q	W	9.8
38	Instruments and Related Products .....	104.9	1.0	0.7	0.0	0.4	10.1
39	Misc. Manufacturing Industries .....	115.0	1.9	1.0	0.0	Q	24.2
	<b>Total</b> .....	824.3	8.6	4.0	12.2	6.0	3.9
South Census Region							
RSE Column Factors:		0.8	0.8	0.7	1.2	1.7	
20	Food and Kindred Products .....	666.2	6.3	2.6	0.2	W	9.5
21	Tobacco Products .....	616.2	0.9	0.6	0.0	34.5	14.4
22	Textile Mill Products .....	547.2	10.2	4.0	0.0	16.6	8.8
23	Apparel and Other Textile Products .....	48.3	1.3	0.7	0.0	1.8	12.1
24	Lumber and Wood Products .....	842.0	14.7	5.9	0.3	W	12.1
25	Furniture and Fixtures .....	125.1	2.8	1.3	0.0	8.9	9.8
26	Paper and Allied Products .....	7,399.4	65.0	29.1	41.6	29.6	3.5
27	Printing and Publishing .....	92.1	1.2	0.8	0.0	2.6	11.5
28	Chemicals and Allied Products .....	7,602.2	32.9	16.2	W	2.8	5.0
29	Petroleum and Coal Products .....	34,692.9	160.1	25.0	40.0	4.2	4.3
30	Rubber and Misc. Plastics Products .....	422.4	4.7	2.5	*	16.7	4.5
31	Leather and Leather Products .....	49.0	1.7	0.8	0.0	Q	24.6
32	Stone, Clay and Glass Products .....	2,280.4	26.2	15.6	0.2	W	12.4
33	Primary Metal Industries .....	3,853.4	37.4	13.9	W	W	7.2
34	Fabricated Metal Products .....	250.6	3.5	1.7	0.0	W	7.7
35	Industrial Machinery and Equipment .....	136.5	1.5	0.7	0.0	W	9.7
36	Electronic and Other Electric Equipment .....	153.6	1.6	0.8	0.0	3.3	10.4
37	Transportation Equipment .....	210.3	2.7	0.9	0.0	W	7.5
38	Instruments and Related Products .....	129.1	1.2	0.8	0.0	7.5	19.2
39	Misc. Manufacturing Industries .....	127.8	2.0	1.1	0.0	W	25.6
	<b>Total</b> .....	1,471.7	16.3	7.4	21.1	7.1	2.7

See footnotes at end of table.

**Table A23. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Census Region and Industry Group, 1994: Part 1 (Continued)**

SIC Code <sup>a</sup>	Industry Group	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts <sup>b</sup> as a Percent of Consumption (percents)	Fuel Oil <sup>c</sup> as a Percent of Natural Gas (percents)	RSE Row Factors
West Census Region							
<b>RSE Column Factors:</b>		0.8	0.8	0.8	1.4	1.5	
20	Food and Kindred Products .....	862.8	7.1	2.9	W	7.1	11.9
21	Tobacco Products .....	0.0	0.0	0.0	0.0	0.0	0.0
22	Textile Mill Products .....	330.3	5.7	2.2	0.0	0.0	25.1
23	Apparel and Other Textile Products .....	W	W	W	0.0	0.0	26.6
24	Lumber and Wood Products .....	808.9	13.4	4.7	0.0	W	12.7
25	Furniture and Fixtures .....	40.9	0.8	0.4	0.0	Q	20.0
26	Paper and Allied Products .....	4,644.2	49.8	18.6	W	10.3	6.3
27	Printing and Publishing .....	63.0	0.9	0.6	0.0	W	8.1
28	Chemicals and Allied Products .....	2,199.2	12.9	7.7	2.6	0.8	14.7
29	Petroleum and Coal Products .....	30,901.7	98.7	23.9	43.3	16.5	4.5
30	Rubber and Misc. Plastics Products .....	180.9	2.4	1.3	0.0	Q	13.5
31	Leather and Leather Products .....	W	W	W	0.0	0.0	40.2
32	Stone, Clay and Glass Products .....	2,087.7	24.8	13.5	0.0	13.7	12.5
33	Primary Metal Industries .....	3,431.4	33.6	12.7	W	4.4	9.2
34	Fabricated Metal Products .....	249.8	3.8	1.8	0.0	1.4	31.2
35	Industrial Machinery and Equipment .....	101.0	1.0	0.5	0.0	2.0	12.6
36	Electronic and Other Electric Equipment .....	119.2	1.0	0.7	W	W	13.6
37	Transportation Equipment .....	144.1	1.3	0.7	0.0	W	11.3
38	Instruments and Related Products .....	78.1	0.7	0.5	Q	W	10.4
39	Misc. Manufacturing Industries .....	71.3	1.1	0.6	0.0	*	27.8
<b>Total .....</b>		<b>861.3</b>	<b>8.9</b>	<b>4.4</b>	<b>W</b>	<b>9.5</b>	<b>4.1</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Major Byproduct" fuels include coke oven and blast furnace gas (produced primarily in the blast furnace industry, SIC 3312); still gas (produced primarily in refineries, SIC 2911); and pulping liquor (produced primarily in pulp and paper mills, SIC 2611 and 2621).

<sup>c</sup> "Fuel Oil" includes distillate and residual fuel oils.

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. • Operating ratios were calculated using the input energy estimates reported in Table A4.

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 Bureau of the Census, Industry Division, data files for the "1994 Annual Survey of Manufactures."

**Table A23. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2**

SIC Code <sup>a</sup>	Industry Group and Industry	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts <sup>b</sup> as a Percent of Consumption (percents)	Fuel Oil <sup>c</sup> as a Percent of Natural Gas (percents)	RSE Row Factors
<b>RSE Column Factors:</b>		0.7	0.7	0.7	1.7	1.7	
20	Food and Kindred Products .....	806.0	6.7	2.7	0.2	7.7	5.0
2011	Meat Packing Plants .....	439.4	6.5	1.1	W	4.0	9.3
2033	Canned Fruits and Vegetables .....	900.8	8.3	3.6	0.0	5.2	8.4
2037	Frozen Fruits and Vegetables .....	861.8	9.8	4.4	0.0	5.9	14.5
2046	Wet Corn Milling .....	19,025.4	51.4	22.1	W	1.6	13.3
2051	Bread, Cake, and Related Products .....	251.8	2.8	1.7	0.0	3.3	10.3
2061	Cane Sugar, Except Refining .....	15,679.9	159.1	68.5	0.0	W	15.8
2062	Cane Sugar Refining .....	4,813.0	35.2	8.3	0.0	15.8	12.5
2063	Beet Sugar .....	8,501.4	75.5	26.7	W	W	1.9
2075	Soybean Oil Mills .....	7,688.0	30.1	4.5	W	W	1.0
2082	Malt Beverages .....	1,694.1	5.2	3.0	W	W	4.8
21	Tobacco Products .....	W	W	W	0.0	32.0	14.9
22	Textile Mill Products .....	516.9	9.5	3.9	0.0	W	8.2
23	Apparel and Other Textile Products .....	47.5	0.9	0.4	0.0	W	21.6
24	Lumber and Wood Products .....	675.6	10.1	4.3	0.2	W	11.9
2421	Sawmills and Planing Mills, General .....	1,568.6	18.7	7.5	0.4	W	15.0
2436	Softwood Veneer and Plywood .....	2,695.8	32.5	12.5	0.0	54.3	9.3
2493	Reconstituted Wood Products .....	2,903.2	25.2	13.0	0.0	11.1	12.9
25	Furniture and Fixtures .....	117.0	2.2	1.1	*	5.4	9.5
2511	Wood Furniture, Except Upholstered .....	165.4	3.9	2.0	0.0	29.5	14.1
26	Paper and Allied Products .....	4,398.1	43.5	19.0	33.5	31.6	3.1
2611	Pulp Mills .....	20,454.5	135.4	58.1	60.4	W	4.1
2621	Paper Mills .....	10,536.6	85.7	37.1	29.4	36.3	2.8
2631	Paperboard Mills .....	17,714.3	107.0	50.5	37.7	W	1.3
27	Printing and Publishing .....	85.1	1.0	0.7	0.0	W	7.1
28	Chemicals and Allied Products .....	4,087.1	19.1	10.3	8.2	3.9	4.7
2812	Alkalies and Chlorine .....	22,351.3	135.5	62.3	0.0	W	5.4
2813	Industrial Gases .....	16,197.9	42.7	29.8	0.0	W	11.3
2816	Inorganic Pigments .....	5,075.9	21.8	12.4	0.0	5.6	4.5
2819	Industrial Inorganic Chemicals, nec. ....	5,382.8	34.1	20.2	W	3.7	10.9
2821	Plastics Materials and Resins .....	5,933.7	25.0	10.1	4.3	W	6.8
2822	Synthetic Rubber .....	5,882.9	28.1	12.4	W	W	13.9
2823	Cellulosic Manmade Fibers .....	2,575.4	31.1	15.2	0.0	W	0.0
2824	Organic Fibers, Noncellulosic .....	2,817.6	17.4	9.2	W	W	5.6
2861	Gum and Wood Chemicals .....	3,835.2	24.2	12.6	0.0	W	6.0
2865	Cyclic Crudes and Intermediates .....	6,733.3	27.6	11.2	1.5	W	18.4
2869	Industrial Organic Chemicals, nec. ....	15,048.3	58.1	24.6	17.5	0.8	6.4
2873	Nitrogenous Fertilizers .....	42,844.7	169.5	75.5	0.4	0.1	10.7
2874	Phosphatic Fertilizers .....	2,058.6	13.0	4.0	0.0	24.3	3.7
2895	Carbon Black .....	18,653.6	65.6	40.1	W	W	10.2
29	Petroleum and Coal Products .....	28,783.6	113.1	22.3	41.1	W	3.0
2911	Petroleum Refining .....	44,196.9	137.8	24.5	42.4	9.9	2.6
30	Rubber and Misc. Plastics Products .....	317.7	4.2	2.2	*	12.0	5.7
3011	Tires and Inner Tubes .....	739.6	6.5	3.6	0.0	22.5	4.1
308	Miscellaneous Plastics Products, nec. ....	294.4	3.9	2.0	W	7.3	7.2
31	Leather and Leather Products .....	W	W	W	0.0	36.8	18.5
32	Stone, Clay and Glass Products .....	2,033.4	22.7	13.2	0.1	7.0	8.3
3211	Flat Glass .....	5,202.5	36.4	23.2	0.0	3.6	7.7
3221	Glass Containers .....	2,758.9	27.7	17.1	0.0	3.9	2.4
3229	Pressed and Blown Glass, nec. ....	1,994.1	20.5	13.7	0.0	W	6.3
3241	Cement, Hydraulic .....	21,065.3	124.4	72.7	0.0	23.0	5.3
3274	Lime .....	16,736.5	185.6	97.5	0.0	16.7	7.2
3296	Mineral Wool .....	3,507.5	24.7	15.6	0.0	W	7.1
33	Primary Metal Industries .....	3,952.2	39.8	16.1	W	6.9	4.8
331	Blast Furnace and Basic Steel Products .....	8,028.8	67.4	27.0	23.7	W	6.3
3312	Blast Furnaces and Steel Mills .....	11,640.7	87.5	35.3	24.8	W	3.7
3313	Electrometallurgical Products .....	4,977.2	49.0	13.8	0.0	4.8	29.1
3321	Gray and Ductile Iron Foundries .....	1,241.5	17.6	9.9	0.0	2.0	5.4
3331	Primary Copper .....	5,419.7	21.4	5.3	0.0	W	0.0
3334	Primary Aluminum .....	11,195.5	113.2	36.4	0.0	W	1.9
3339	Primary Nonferrous Metals, nec. ....	4,561.8	46.4	14.2	0.0	3.3	11.7
3353	Aluminum Sheet, Plate, and Foil .....	3,280.7	27.5	6.9	0.0	W	2.4

See footnotes at end of table.

**Table A23. Selected Energy Operating Ratios for Total Energy Consumption for Heat, Power, and Electricity Generation by Industry Group and Selected Industries, 1994: Part 2 (Continued)**

SIC Code <sup>a</sup>	Industry Group and Industry	Consumption per Employee (million Btu)	Consumption per Dollar of Value Added (thousand Btu)	Consumption per Dollar of Value of Shipments (thousand Btu)	Major Byproducts <sup>b</sup> as a Percent of Consumption (percents)	Fuel Oil <sup>c</sup> as a Percent of Natural Gas (percents)	RSE Row Factors
<b>RSE Column Factors:</b>		0.7	0.7	0.7	1.7	1.7	
34	Fabricated Metal Products .....	282.9	4.0	2.0	W	3.3	10.4
35	Industrial Machinery and Equipment .....	147.0	1.6	0.8	0.0	W	5.4
357	Computer and Office Equipment .....	91.5	0.7	0.3	0.0	W	16.8
36	Electronic and Other Electric Equipment .....	165.4	1.7	0.9	W	4.9	10.9
37	Transportation Equipment .....	231.3	2.4	0.9	Q	11.5	5.6
3711	Motor Vehicles and Car Bodies .....	455.0	3.4	0.7	0.0	4.5	11.8
3714	Motor Vehicle Parts and Accessories .....	284.0	3.1	1.3	Q	W	8.7
38	Instruments and Related Products .....	134.9	1.1	0.8	0.1	W	13.7
3841	Surgical and Medical Instruments .....	78.2	0.7	0.5	0.0	8.7	13.7
39	Misc. Manufacturing Industries .....	140.0	2.0	1.1	0.0	11.0	20.0
	<b>Total .....</b>	<b>1,002.3</b>	<b>10.6</b>	<b>5.0</b>	<b>W</b>	<b>9.7</b>	<b>2.4</b>

<sup>a</sup> See Appendices B and F for descriptions of the Standard Industrial Classification system.

<sup>b</sup> "Major Byproduct" fuels include coke oven and blast furnace gas (produced primarily in the blast furnace industry, SIC 3312); still gas (produced primarily in refineries, SIC 2911); and pulping liquor (produced primarily in pulp and paper mills, SIC 2611 and 2621).

<sup>c</sup> "Fuel Oil" includes distillate and residual fuel oils.

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. • Operating ratios were calculated using the input energy estimates reported in Table A4.

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 Bureau of the Census, Industry Division, data files for the "1994 Annual Survey of Manufactures."