

**Table 7.7 Quantity of Purchased Electricity, Natural Gas, and Steam, 2002;**  
**Level: National and Regional Data;**  
**Row: NAICS Codes;**  
**Column: Supplier Sources of Purchased Electricity, Natural Gas, and Steam;**  
**Unit: Physical Units or Btu.**

NAICS Code(a)	Subsector and Industry	Electricity Components			Natural Gas Components			Steam Components			RSE Row Factors
		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	
<b>Total United States</b>											
	<b>RSE Column Factors:</b>	0.9	0.9	1.3	0.9	1.4	0.9	1.2	0.6	1.2	
311	Food	W	63,907	W	566	237	329	33,153	11,705	21,447	10.9
311221	Wet Corn Milling	W	6,254	W	59	5	54	6,941	W	W	1.3
31131	Sugar	733	721	12	22	6	15	3,249	0	3,249	0.9
311421	Fruit and Vegetable Canning	1,987	1,901	86	35	11	24	355	0	355	4.3
312	Beverage and Tobacco Products	7,898	7,247	652	45	18	27	4,949	0	4,949	2.5
3121	Beverages	6,504	5,853	652	41	16	25	4,949	0	4,949	2.9
3122	Tobacco	1,394	1,394	0	4	2	2	0	0	0	1
313	Textile Mills	25,387	23,915	1,472	73	46	27	12,309	W	W	8.4
314	Textile Product Mills	4,870	4,528	343	28	15	13	0	0	0	13.5
315	Apparel	3,579	3,508	71	16	13	3	0	0	0	20.9
316	Leather and Allied Products	717	711	5	4	1	3	W	0	W	8.8
321	Wood Products	21,525	20,255	1,270	56	34	22	8,643	W	W	4.6
321113	Sawmills	6,235	5,993	241	10	6	4	2,155	0	2,155	7.3
3212	Veneer, Plywood, and Engineered Woods	9,696	8,889	807	32	17	15	3,035	W	W	4.5
3219	Other Wood Products	5,284	5,064	220	11	9	2	3,453	0	3,453	10.7
322	Paper	W	64,021	W	490	118	372	58,073	17,007	41,065	3.6
322110	Pulp Mills	W	2,319	W	23	5	18	W	0	W	1.1
322121	Paper Mills, except Newsprint	24,755	20,964	3,791	200	35	165	25,791	18	25,773	2.7
322122	Newsprint Mills	10,827	10,545	282	15	4	11	6,131	W	W	1
322130	Paperboard Mills	W	17,535	W	184	38	146	25,513	15,011	10,502	4.4
323	Printing and Related Support	14,732	14,164	568	45	26	19	Q	W	W	9
324	Petroleum and Coal Products	41,280	32,608	8,672	884	88	796	89,162	4,250	84,912	2.6
324110	Petroleum Refineries	38,603	30,109	8,494	829	63	766	88,369	4,250	84,119	2.7
324199	Other Petroleum and Coal Products	430	430	0	4	2	2	412	0	412	1
325	Chemicals	160,360	128,891	31,469	2,154	252	1,902	261,437	25,728	235,709	4.9
325110	Petrochemicals	W	4,242	W	202	2	200	W	0	W	0.9
325120	Industrial Gases	W	17,817	W	64	14	50	Q	36	Q	8.7
325181	Alkalies and Chlorine	13,274	11,518	1,756	97	8	89	6,994	W	W	1.1
325182	Carbon Black	609	609	0	19	12	7	0	0	0	1
325188	Other Basic Inorganic Chemicals	W	23,430	W	74	14	60	6,831	2,416	4,415	4.1
325192	Cyclic Crudes and Intermediates	3,443	1,140	2,303	42	15	26	17,775	0	17,775	0.9
325193	Ethyl Alcohol	1,309	1,209	101	29	10	20	6,861	3,255	Q	4.1
325199	Other Basic Organic Chemicals	W	19,976	W	571	51	520	84,992	W	W	7.5
325211	Plastics Materials and Resins	W	14,490	W	318	36	282	38,330	3,289	35,041	4
325212	Synthetic Rubber	1,916	W	W	28	2	25	11,848	0	11,848	4.4
325222	Noncellulosic Organic Fibers	4,377	4,172	205	31	11	20	W	0	W	0.9
325311	Nitrogenous Fertilizers	3,502	3,387	115	471	1	470	1,297	0	1,297	0.9
325312	Phosphatic Fertilizers	2,006	1,306	700	30	6	23	292	0	292	0.9
3254	Pharmaceuticals and Medicines	10,964	9,725	1,239	60	32	28	5,317	191	5,126	6
325412	Pharmaceutical Preparation	8,498	7,553	946	39	21	18	3,879	W	W	7.8
325992	Photographic Film, Paper, Plate, and Chemicals	W	1,533	W	7	2	5	0	0	0	6.7
326	Plastics and Rubber Products	53,196	49,804	3,392	125	69	56	4,028	1,998	2,029	11.6
327	Nonmetallic Mineral Products	41,406	37,100	4,306	411	132	278	Q	7	Q	3.7

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NAICS Code(a)	Subsector and Industry	Electricity Components			Natural Gas Components			Steam Components			RSE Row Factors
		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	
3272	Glass and Glass Products	12,213	11,376	837	149	30	119	7	7	0	2.1
327211	Flat Glass	1,842	1,710	131	51	7	44	0	0	0	1
327213	Glass Containers	3,932	3,454	477	51	6	45	0	0	0	1
327310	Cements	12,462	10,597	1,865	21	9	12	99	0	99	1.9
327410	Lime	1,353	1,353	0	7	3	5	0	0	0	1
327993	Mineral Wool	3,720	3,209	511	34	7	27	0	0	0	1.4
331	Primary Metals	W	109,953	W	686	136	550	30,627	1,949	28,678	1.5
331111	Iron and Steel Mills	54,356	48,441	5,915	406	58	348	12,779	314	12,465	2.1
331112	Electrometallurgical Ferroalloy Products	3,555	W	W	7	*	7	W	0	W	1.3
3312	Steel Products from Purchased Steel	4,611	3,822	790	23	10	13	9	9	0	4.5
3313	Alumina and Aluminum	W	31,140	W	132	20	112	16,566	W	W	1.6
331312	Primary Aluminum	W	26,089	W	19	1	18	W	0	W	1.1
3314	Nonferrous Metals, except Aluminum	W	W	W	43	19	24	287	0	287	6
3315	Foundries	15,896	15,243	653	75	28	47	207	1	206	3.9
331511	Iron Foundries	8,214	7,793	421	27	12	15	206	0	206	5.4
331521	Aluminum Die-Casting Foundries	1,897	1,861	36	16	4	11	0	0	0	3.5
331524	Aluminum Foundries, except Die-Casting	1,350	1,294	56	14	5	9	0	0	0	3.6
332	Fabricated Metal Products	47,121	45,249	1,871	204	131	74	W	Q	W	15.9
333	Machinery	24,487	22,591	1,895	80	41	39	1,747	768	Q	8.8
334	Computer and Electronic Products	38,428	34,821	3,607	64	40	24	1,472	368	1,104	15.7
334413	Semiconductors and Related Devices	13,027	11,407	1,620	21	13	8	Q	37	Q	3.9
335	Electrical Equip., Appliances, and Components	W	13,092	W	52	26	26	518	335	183	8
336	Transportation Equipment	W	47,298	W	196	104	92	6,800	W	W	5.8
336112	Light Trucks and Utility Vehicles	4,889	4,889	0	35	W	W	1,655	0	1,655	1
337	Furniture and Related Products	7,112	6,656	456	24	16	8	825	0	825	12.9
339	Miscellaneous	10,371	9,601	770	31	23	8	665	W	W	10.2
	Total	844,583	739,921	104,662	6,234	1,550	4,684	515,893	68,010	447,883	3.6
<b>Northeast Census Region</b>											
	<b>RSE Column Factors:</b>	1.3	1.4	1.6	1.2	1.9	1	0.6	0.5	0.5	
311	Food	6,570	5,988	582	54	23	31	Q	Q	Q	11.1
311221	Wet Corn Milling	W	W	0	0	0	0	0	0	0	0.7
31131	Sugar	W	W	0	W	1	W	0	0	0	0.7
311421	Fruit and Vegetable Canning	343	318	25	3	2	1	114	0	114	4
312	Beverage and Tobacco Products	W	W	W	7	2	5	W	0	W	4.1
3121	Beverages	W	W	W	7	2	5	W	0	W	4.1
3122	Tobacco	W	W	0	*	*	*	0	0	0	0.7
313	Textile Mills	1,340	1,038	302	13	8	5	0	0	0	15.5
314	Textile Product Mills	425	399	25	2	1	1	0	0	0	7.3
315	Apparel	567	550	Q	4	4	*	0	0	0	22.3
316	Leather and Allied Products	111	110	*	1	*	1	0	0	0	9.6
321	Wood Products	1,390	1,163	227	4	2	2	Q	0	Q	6.3
321113	Sawmills	380	364	16	*	*	*	0	0	0	12.3
3212	Veneer, Plywood, and Engineered Woods	316	278	38	2	1	1	0	0	0	6.3
3219	Other Wood Products	682	510	172	2	1	1	Q	0	Q	8.2

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		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	
322	Paper	W	7,242	W	72	14	57	22,444	407	22,037	4.8
322110	Pulp Mills	W	0	W	*	*	*	0	0	0	2.1
322121	Paper Mills, except Newsprint	W	3,004	W	46	4	42	19,858	0	19,858	3.1
322122	Newsprint Mills	W	W	0	0	0	0	0	0	0	0.7
322130	Paperboard Mills	985	624	361	14	4	10	2,586	407	2,179	3.5
323	Printing and Related Support	3,164	3,004	160	11	7	5	0	0	0	13.2
324	Petroleum and Coal Products	3,326	3,158	167	44	4	40	W	0	W	2.7
324110	Petroleum Refineries	2,808	2,678	130	36	1	34	W	0	W	1.1
324199	Other Petroleum and Coal Products	71	71	0	*	*	*	0	0	0	0.7
325	Chemicals	12,721	9,501	3,220	71	33	38	15,338	956	14,382	4.9
325110	Petrochemicals	19	19	0	*	*	0	0	0	0	1.2
325120	Industrial Gases	1,961	1,630	331	1	1	*	W	0	W	1.1
325181	Alkalies and Chlorine	W	W	W	*	*	*	W	0	W	0.9
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	W	887	W	6	1	5	Q	219	Q	2.5
325192	Cyclic Crudes and Intermediates	205	W	W	W	4	W	W	0	W	0.9
325193	Ethyl Alcohol	*	*	0	*	*	0	0	0	0	0.7
325199	Other Basic Organic Chemicals	772	492	280	W	2	W	5,365	0	5,365	4.7
325211	Plastics Materials and Resins	W	624	W	6	2	4	2,972	W	W	14.1
325212	Synthetic Rubber	50	50	0	*	*	0	288	0	288	0.9
325222	Noncellulosic Organic Fibers	W	22	W	*	*	0	0	0	0	2.9
325311	Nitrogenous Fertilizers	74	50	24	1	0	1	0	0	0	0.8
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	3,038	2,478	560	30	18	11	1,109	W	W	4.3
325412	Pharmaceutical Preparation	2,328	1,812	515	20	11	9	W	W	W	5.1
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	0	3	*	3	0	0	0	15.5
326	Plastics and Rubber Products	7,560	6,435	1,125	14	5	9	W	0	W	5.6
327	Nonmetallic Mineral Products	6,608	5,654	954	62	13	49	Q	0	Q	6.2
3272	Glass and Glass Products	W	1,768	W	29	6	24	0	0	0	3.8
327211	Flat Glass	W	267	W	9	0	9	0	0	0	0.8
327213	Glass Containers	W	W	W	10	4	6	0	0	0	0.7
327310	Cements	W	1,582	W	*	*	*	0	0	0	0.7
327410	Lime	W	W	0	*	*	*	0	0	0	0.7
327993	Mineral Wool	346	252	94	3	*	2	0	0	0	3.3
331	Primary Metals	15,135	9,498	5,637	67	22	45	W	314	W	1.7
331111	Iron and Steel Mills	6,072	5,524	548	37	16	21	314	314	0	2.5
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	*	*	0	0	0	0.7
3312	Steel Products from Purchased Steel	W	472	W	3	1	2	0	0	0	6.6
3313	Alumina and Aluminum	W	516	W	11	*	10	0	0	0	2
331312	Primary Aluminum	W	*	W	1	*	1	0	0	0	0.7
3314	Nonferrous Metals, except Aluminum	W	W	W	8	1	7	W	0	W	4
3315	Foundries	W	1,239	W	7	2	5	0	0	0	1.9
331511	Iron Foundries	607	598	9	3	*	2	0	0	0	1.3
331521	Aluminum Die-Casting Foundries	52	52	0	*	*	*	0	0	0	4.8
331524	Aluminum Foundries, except Die-Casting	209	205	3	2	1	1	0	0	0	1.1
332	Fabricated Metal Products	6,456	5,954	502	28	14	14	W	0	W	13.9
333	Machinery	3,685	3,077	608	12	5	7	1	0	1	7

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NAICS Code(a)	Subsector and Industry	Electricity Components			Natural Gas Components			Steam Components			RSE Row Factors
		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	
334	Computer and Electronic Products	11,184	9,869	1,315	20	12	9	Q	W	W	14.3
334413	Semiconductors and Related Devices	2,390	1,789	601	5	2	3	Q	37	Q	2.2
335	Electrical Equip., Appliances, and Components	W	1,922	W	10	4	5	W	0	W	22.4
336	Transportation Equipment	4,049	3,136	913	20	11	8	1,648	0	1,648	4.8
336112	Light Trucks and Utility Vehicles	W	W	0	1	*	1	W	0	W	1
337	Furniture and Related Products	831	W	W	3	2	1	Q	0	Q	12
339	Miscellaneous	2,519	2,322	197	9	6	4	665	W	W	15
	Total	100,138	81,599	18,539	527	191	336	53,880	2,039	51,841	4.6
<b>Midwest Census Region</b>											
	<b>RSE Column Factors:</b>	1	1	1.2	1.2	1.5	1	0.9	0.8	0.7	
311	Food	W	26,369	W	245	88	157	19,733	11,487	Q	12.1
311221	Wet Corn Milling	5,955	W	W	51	4	47	W	W	0	1
31131	Sugar	379	379	0	5	1	3	0	0	0	0.9
311421	Fruit and Vegetable Canning	397	370	27	5	3	2	242	0	242	2.3
312	Beverage and Tobacco Products	1,392	W	W	10	3	7	0	0	0	9
3121	Beverages	W	W	W	10	3	7	0	0	0	9
3122	Tobacco	W	W	0	*	*	0	0	0	0	0.9
313	Textile Mills	313	313	0	1	1	1	0	0	0	12
314	Textile Product Mills	307	293	13	1	1	*	0	0	0	19
315	Apparel	184	163	21	1	*	*	0	0	0	17.4
316	Leather and Allied Products	428	423	5	3	*	2	W	0	W	11.9
321	Wood Products	3,127	3,008	119	12	9	4	1,299	0	1,299	7.8
321113	Sawmills	428	418	9	1	1	*	320	0	320	7.3
3212	Veneer, Plywood, and Engineered Woods	1,103	1,010	93	6	4	2	324	0	324	6.1
3219	Other Wood Products	1,558	1,542	Q	5	4	1	655	0	655	14.1
322	Paper	W	14,704	W	97	31	66	14,183	12,110	2,073	6.7
322110	Pulp Mills	W	W	0	2	2	*	W	0	W	1
322121	Paper Mills, except Newsprint	W	7,807	W	51	13	38	1,662	18	1,644	4.1
322122	Newsprint Mills	W	W	0	*	*	*	W	W	0	1
322130	Paperboard Mills	2,432	2,408	24	21	4	17	W	Q	W	2.8
323	Printing and Related Support	5,171	4,907	265	14	6	9	W	W	W	11.8
324	Petroleum and Coal Products	6,860	6,575	284	97	18	79	3,316	W	W	3.8
324110	Petroleum Refineries	6,149	5,953	196	79	5	74	2,709	W	W	1.9
324199	Other Petroleum and Coal Products	60	60	0	*	*	*	412	0	412	1
325	Chemicals	29,403	24,529	4,874	241	49	192	Q	3,791	Q	2.9
325110	Petrochemicals	W	10	W	2	0	2	0	0	0	1
325120	Industrial Gases	6,276	5,481	796	W	1	W	Q	36	Q	1.9
325181	Alkalies and Chlorine	W	254	W	1	*	1	2	2	0	3.7
325182	Carbon Black	W	W	0	1	*	1	0	0	0	0.9
325188	Other Basic Inorganic Chemicals	2,122	1,761	361	19	6	12	1,765	97	1,668	4.9
325192	Cyclic Crudes and Intermediates	W	W	0	W	1	W	0	0	0	0.9
325193	Ethyl Alcohol	1,251	1,150	101	28	9	19	W	W	Q	4.1
325199	Other Basic Organic Chemicals	4,081	2,306	1,775	20	5	15	12,603	538	12,065	3.3
325211	Plastics Materials and Resins	4,322	3,418	904	20	11	9	6,937	703	6,234	2.9

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325212	Synthetic Rubber	W	W	0	1	*	1	0	0	0	3.7
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	1,071	998	73	81	*	80	W	0	W	1
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	4,114	3,883	232	17	6	11	755	0	755	3.7
325412	Pharmaceutical Preparation	3,637	3,532	105	12	5	7	0	0	0	3.7
325992	Photographic Film, Paper, Plate, and Chemicals	W	93	W	*	*	*	0	0	0	3.5
326	Plastics and Rubber Products	19,789	18,699	1,090	47	24	22	1,327	1,327	0	16.4
327	Nonmetallic Mineral Products	10,689	10,039	650	109	28	81	0	0	0	4.8
3272	Glass and Glass Products	3,618	3,522	96	43	4	39	0	0	0	3.2
327211	Flat Glass	W	W	0	16	W	W	0	0	0	0.9
327213	Glass Containers	W	W	82	13	*	13	0	0	0	0.9
327310	Cements	3,050	2,647	402	5	1	4	0	0	0	1.9
327410	Lime	487	487	0	4	1	3	0	0	0	0.9
327993	Mineral Wool	1,427	1,427	0	13	2	11	0	0	0	1
331	Primary Metals	W	41,143	W	353	39	314	14,210	1,626	12,584	2
331111	Iron and Steel Mills	22,772	19,651	3,121	245	11	234	11,553	0	11,553	2.1
331112	Electrometallurgical Ferroalloy Products	2,337	2,337	0	6	*	6	W	0	W	1
3312	Steel Products from Purchased Steel	2,160	1,723	437	14	7	7	0	0	0	5.1
3313	Alumina and Aluminum	W	5,707	W	30	6	24	W	W	0	2.1
331312	Primary Aluminum	W	4,300	W	5	*	5	0	0	0	0.9
3314	Nonferrous Metals, except Aluminum	W	2,357	W	13	5	8	W	0	W	3.1
3315	Foundries	9,810	9,368	442	46	11	34	207	1	206	4.9
331511	Iron Foundries	5,634	5,330	304	16	5	11	206	0	206	7
331521	Aluminum Die-Casting Foundries	1,510	1,485	25	12	2	9	0	0	0	2.8
331524	Aluminum Foundries, except Die-Casting	828	777	51	8	2	6	0	0	0	5
332	Fabricated Metal Products	21,309	20,331	978	98	60	38	Q	0	Q	27.2
333	Machinery	11,513	10,729	785	46	18	27	1,736	768	Q	11.7
334	Computer and Electronic Products	5,270	4,809	462	13	9	4	W	0	W	6.2
334413	Semiconductors and Related Devices	594	594	0	1	1	1	0	0	0	2.3
335	Electrical Equip., Appliances, and Components	4,949	4,649	300	18	8	11	W	229	W	4.6
336	Transportation Equipment	W	26,110	W	116	46	71	3,954	W	W	9.2
336112	Light Trucks and Utility Vehicles	W	W	0	23	W	W	W	0	W	1
337	Furniture and Related Products	2,294	W	W	11	5	6	0	0	0	10.7
339	Miscellaneous	2,786	2,427	Q	9	6	3	0	0	0	12.9
	Total	247,463	223,595	23,868	1,542	450	1,092	140,127	34,388	105,739	7.4
<b>South Census Region</b>											
	<b>RSE Column Factors:</b>	1.1	1.1	1.3	1.1	1.5	1	1	0.3	1	
311	Food	23,096	22,596	Q	165	92	73	3,479	0	3,479	13.8
311221	Wet Corn Milling	1,070	1,070	0	5	W	W	W	0	W	0.9
31131	Sugar	210	198	12	W	W	7	0	0	0	0.8
311421	Fruit and Vegetable Canning	541	541	0	10	4	6	0	0	0	9.3
312	Beverage and Tobacco Products	3,632	3,507	125	18	10	8	0	0	0	4.1
3121	Beverages	2,278	2,153	125	15	8	6	0	0	0	5.3

**Table 7.7 Quantity of Purchased Electricity, Natural Gas, and Steam, 2002;**  
**Level: National and Regional Data;**  
**Row: NAICS Codes;**  
**Column: Supplier Sources of Purchased Electricity, Natural Gas, and Steam;**  
**Unit: Physical Units or Btu.**

NAICS Code(a)	Subsector and Industry	Electricity Components			Natural Gas Components			Steam Components			RSE Row Factors
		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	
3122	Tobacco	1,354	1,354	0	3	2	2	0	0	0	0.8
313	Textile Mills	22,798	21,654	1,144	51	32	19	W	W	W	9.1
314	Textile Product Mills	3,924	3,629	295	23	11	12	0	0	0	14
315	Apparel	1,956	1,923	Q	7	4	2	0	0	0	18.5
316	Leather and Allied Products	143	143	0	*	*	*	0	0	0	9.3
321	Wood Products	W	11,052	W	25	16	9	3,435	0	3,435	9.1
321113	Sawmills	W	3,043	W	3	2	2	999	0	999	9.5
3212	Veneer, Plywood, and Engineered Woods	5,985	5,652	332	17	11	6	478	0	478	8.7
3219	Other Wood Products	2,168	2,165	Q	3	3	*	Q	0	Q	6.2
322	Paper	W	29,357	W	237	62	175	14,311	Q	10,654	3.2
322110	Pulp Mills	W	W	0	18	3	16	0	0	0	0.8
322121	Paper Mills, except Newsprint	W	7,632	W	77	17	61	1,878	0	1,878	3.3
322122	Newsprint Mills	4,866	4,584	282	10	W	W	W	0	W	0.9
322130	Paperboard Mills	W	10,801	W	106	26	80	11,721	W	W	3.8
323	Printing and Related Support	4,527	4,423	104	11	8	4	W	W	0	7.2
324	Petroleum and Coal Products	23,956	17,537	6,419	552	39	513	65,561	W	W	2.6
324110	Petroleum Refineries	22,895	16,505	6,389	533	33	500	65,498	W	W	2.7
324199	Other Petroleum and Coal Products	258	258	0	2	1	1	0	0	0	1.1
325	Chemicals	106,525	84,101	22,424	1,727	151	1,577	162,814	19,517	143,297	4.4
325110	Petrochemicals	W	4,213	W	200	2	198	W	0	W	0.9
325120	Industrial Gases	W	7,986	W	54	11	43	W	0	W	4.7
325181	Alkalies and Chlorine	9,602	8,793	809	W	1	W	W	W	0	1
325182	Carbon Black	W	W	0	18	12	6	0	0	0	0.8
325188	Other Basic Inorganic Chemicals	W	17,961	W	36	4	32	3,283	W	W	4.3
325192	Cyclic Crudes and Intermediates	2,980	W	W	31	11	20	W	0	W	0.9
325193	Ethyl Alcohol	12	12	0	*	*	0	0	0	0	0.8
325199	Other Basic Organic Chemicals	W	16,979	W	541	45	496	65,929	W	W	9.2
325211	Plastics Materials and Resins	W	10,117	W	291	22	268	28,421	W	W	4.8
325212	Synthetic Rubber	W	1,350	W	26	2	24	11,561	0	11,561	4.3
325222	Noncellulosic Organic Fibers	W	4,148	W	31	11	20	W	0	W	0.9
325311	Nitrogenous Fertilizers	1,894	1,890	3	326	1	325	W	0	W	0.9
325312	Phosphatic Fertilizers	1,422	722	700	24	3	21	292	0	292	0.9
3254	Pharmaceuticals and Medicines	2,740	2,487	253	8	5	3	3,452	W	W	7.4
325412	Pharmaceutical Preparation	1,868	1,709	159	4	3	1	W	0	W	11.8
325992	Photographic Film, Paper, Plate, and Chemicals	W	741	W	2	1	1	0	0	0	5.4
326	Plastics and Rubber Products	21,454	20,529	926	56	34	22	W	672	W	14.1
327	Nonmetallic Mineral Products	17,561	16,648	913	180	81	99	106	7	99	4.1
3272	Glass and Glass Products	5,075	4,889	186	60	20	41	7	7	0	3.1
327211	Flat Glass	840	840	0	21	W	W	0	0	0	0.8
327213	Glass Containers	1,233	1,116	116	18	1	17	0	0	0	0.8
327310	Cements	4,839	4,591	248	10	6	5	99	0	99	3.4
327410	Lime	575	575	0	3	1	2	0	0	0	0.8
327993	Mineral Wool	1,418	1,307	112	14	4	10	0	0	0	1.5
331	Primary Metals	W	52,705	W	227	65	163	W	9	W	1.8
331111	Iron and Steel Mills	21,837	21,109	728	107	31	76	0	0	0	1.3
331112	Electrometallurgical Ferroalloy Products	W	319	W	*	*	*	0	0	0	4.2
3312	Steel Products from Purchased Steel	W	1,471	W	5	3	2	9	9	0	7.3

**Table 7.7 Quantity of Purchased Electricity, Natural Gas, and Steam, 2002;**  
**Level: National and Regional Data;**  
**Row: NAICS Codes;**  
**Column: Supplier Sources of Purchased Electricity, Natural Gas, and Steam;**  
**Unit: Physical Units or Btu.**

NAICS Code(a)	Subsector and Industry	Electricity Components			Natural Gas Components			Steam Components			RSE Row Factors
		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	
3313	Alumina and Aluminum	W	23,234	W	83	12	71	W	*	W	1.8
331312	Primary Aluminum	W	20,653	W	11	1	10	W	0	W	0.9
3314	Nonferrous Metals, except Aluminum	3,205	2,638	568	14	6	8	0	0	0	5.2
3315	Foundries	4,079	3,935	145	18	12	6	0	0	0	2.5
331511	Iron Foundries	1,804	1,713	Q	7	7	1	0	0	0	1.8
331521	Aluminum Die-Casting Foundries	274	267	8	3	2	2	0	0	0	4.3
331524	Aluminum Foundries, except Die-Casting	244	242	Q	3	1	2	0	0	0	2.3
332	Fabricated Metal Products	15,240	15,097	Q	64	47	17	0	0	0	13.5
333	Machinery	7,116	6,854	Q	16	14	3	Q	0	Q	12
334	Computer and Electronic Products	9,202	8,683	519	8	5	3	W	W	0	4.9
334413	Semiconductors and Related Devices	3,664	3,156	508	3	2	2	0	0	0	2.4
335	Electrical Equip., Appliances, and Components	6,026	5,618	408	18	9	9	0	0	0	9.6
336	Transportation Equipment	14,164	13,971	Q	43	23	20	1,198	0	1,198	3.2
336112	Light Trucks and Utility Vehicles	W	W	0	11	1	9	1,198	0	1,198	0.9
337	Furniture and Related Products	3,181	3,102	Q	8	7	Q	813	0	813	18.2
339	Miscellaneous	3,041	2,997	44	8	7	*	0	0	0	12.4
	<b>Total</b>	<b>390,727</b>	<b>346,125</b>	<b>44,602</b>	<b>3,445</b>	<b>719</b>	<b>2,726</b>	<b>281,143</b>	<b>28,433</b>	<b>252,710</b>	<b>2.9</b>
<b>West Census Region</b>											
	<b>RSE Column Factors:</b>	1.2	1.3	0.7	1.3	1.5	0.9	0.9	0.6	1	
311	Food	W	8,954	W	102	34	68	6,838	0	6,838	14.7
311221	Wet Corn Milling	W	W	0	4	W	W	0	0	0	4.9
31131	Sugar	W	W	0	W	W	W	3,249	0	3,249	0.9
311421	Fruit and Vegetable Canning	706	672	34	17	3	14	0	0	0	13.1
312	Beverage and Tobacco Products	W	W	W	9	3	7	W	0	W	3.2
3121	Beverages	W	W	W	9	3	7	W	0	W	3.2
3122	Tobacco	*	*	0	0	0	0	0	0	0	0.8
313	Textile Mills	936	910	27	Q	Q	2	W	W	0	6.1
314	Textile Product Mills	215	206	9	1	1	*	0	0	0	7.6
315	Apparel	872	872	0	50	Q	Q	0	0	0	12.5
316	Leather and Allied Products	36	36	0	*	*	0	0	0	0	28.7
321	Wood Products	W	5,032	W	15	8	7	3,889	W	W	5.7
321113	Sawmills	W	2,168	W	6	4	2	836	0	836	5.7
3212	Veneer, Plywood, and Engineered Woods	2,293	1,949	344	7	2	5	2,233	W	W	3.7
3219	Other Wood Products	876	847	29	2	1	*	Q	0	Q	10.3
322	Paper	W	12,718	W	85	12	73	7,135	833	6,302	3.8
322110	Pulp Mills	402	294	108	3	1	2	0	0	0	0.9
322121	Paper Mills, except Newsprint	3,583	2,521	1,062	25	1	24	2,394	0	2,394	2.3
322122	Newsprint Mills	4,756	4,756	0	5	W	W	3,908	0	3,908	0.9
322130	Paperboard Mills	W	3,703	W	42	4	38	W	W	0	1.4
323	Printing and Related Support	1,870	1,831	39	8	6	2	0	0	0	19.1
324	Petroleum and Coal Products	7,139	5,337	1,801	192	27	165	W	0	W	5
324110	Petroleum Refineries	6,752	4,973	1,779	181	23	158	W	0	W	5
324199	Other Petroleum and Coal Products	41	41	0	2	1	1	0	0	0	0.8
325	Chemicals	11,711	10,759	952	115	20	96	4,615	1,463	3,152	2.6

**Table 7.7 Quantity of Purchased Electricity, Natural Gas, and Steam, 2002;**  
**Level: National and Regional Data;**  
**Row: NAICS Codes;**  
**Column: Supplier Sources of Purchased Electricity, Natural Gas, and Steam;**  
**Unit: Physical Units or Btu.**

NAICS Code(a)	Subsector and Industry	Electricity Components			Natural Gas Components			Steam Components			RSE Row Factors
		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	3,166	2,721	445	W	1	W	0	0	0	2
325181	Alkalies and Chlorine	W	W	0	W	7	W	1,424	0	1,424	0.9
325182	Carbon Black	W	W	0	*	*	0	0	0	0	0.8
325188	Other Basic Inorganic Chemicals	2,907	2,822	84	13	2	11	886	W	W	2.7
325192	Cyclic Crudes and Intermediates	W	W	0	*	*	0	0	0	0	0.8
325193	Ethyl Alcohol	47	47	0	1	1	1	W	W	0	1
325199	Other Basic Organic Chemicals	296	199	97	W	*	W	1,094	0	1,094	3.6
325211	Plastics Materials and Resins	W	331	W	1	1	1	0	0	0	9.1
325212	Synthetic Rubber	18	18	0	*	*	0	0	0	0	0.8
325222	Noncellulosic Organic Fibers	2	2	0	0	0	0	0	0	0	0.8
325311	Nitrogenous Fertilizers	463	449	14	63	*	63	0	0	0	0.9
325312	Phosphatic Fertilizers	584	584	0	6	4	2	0	0	0	0.8
3254	Pharmaceuticals and Medicines	1,071	877	194	5	3	2	0	0	0	2.4
325412	Pharmaceutical Preparation	665	499	166	3	2	1	0	0	0	2.6
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	0	2	*	2	0	0	0	0.8
326	Plastics and Rubber Products	4,393	4,142	251	8	5	4	0	0	0	12.6
327	Nonmetallic Mineral Products	6,549	4,760	1,789	60	10	50	0	0	0	4.5
3272	Glass and Glass Products	W	1,197	W	16	1	15	0	0	0	1.6
327211	Flat Glass	W	W	W	5	*	5	0	0	0	0.9
327213	Glass Containers	W	827	W	10	1	10	0	0	0	0.9
327310	Cements	W	1,777	W	5	2	3	0	0	0	1
327410	Lime	W	W	0	1	1	0	0	0	0	0.8
327993	Mineral Wool	528	223	305	3	1	2	0	0	0	1.4
331	Primary Metals	W	6,607	W	38	10	28	1,052	0	1,052	2.4
331111	Iron and Steel Mills	3,676	2,157	1,518	17	*	17	913	0	913	1.3
331112	Electrometallurgical Ferroalloy Products	W	W	0	*	*	*	0	0	0	0.8
3312	Steel Products from Purchased Steel	W	156	W	1	*	1	0	0	0	6.3
3313	Alumina and Aluminum	W	1,682	W	8	1	7	0	0	0	2.6
331312	Primary Aluminum	W	1,136	W	2	*	2	0	0	0	2
3314	Nonferrous Metals, except Aluminum	W	1,894	W	8	6	2	139	0	139	8.6
3315	Foundries	W	702	W	4	2	2	0	0	0	2
331511	Iron Foundries	169	152	17	1	*	1	0	0	0	1.1
331521	Aluminum Die-Casting Foundries	61	57	3	*	*	*	0	0	0	4.8
331524	Aluminum Foundries, except Die-Casting	69	69	0	1	1	*	0	0	0	4.1
332	Fabricated Metal Products	4,116	3,868	247	15	10	5	Q	Q	0	12.2
333	Machinery	2,173	1,932	241	6	4	2	0	0	0	14.3
334	Computer and Electronic Products	12,771	11,460	1,311	23	15	8	Q	Q	0	10.7
334413	Semiconductors and Related Devices	6,379	5,867	512	12	9	3	0	0	0	6.2
335	Electrical Equip., Appliances, and Components	912	902	10	6	Q	1	159	106	52	4.8
336	Transportation Equipment	4,733	4,082	651	18	7	11	0	0	0	11.3
336112	Light Trucks and Utility Vehicles	W	W	0	*	*	0	0	0	0	0.8
337	Furniture and Related Products	807	W	W	2	2	*	0	0	0	8.6
339	Miscellaneous	2,025	1,856	170	5	4	1	0	0	0	17.4
	Total	106,254	88,602	17,652	720	190	530	40,743	3,150	37,593	4.6

**Table 7.7 Quantity of Purchased Electricity, Natural Gas, and Steam, 2002;**  
**Level: National and Regional Data;**  
**Row: NAICS Codes;**  
**Column: Supplier Sources of Purchased Electricity, Natural Gas, and Steam;**  
**Unit: Physical Units or Btu.**

NAICS Code(a)	Subsector and Industry	Electricity Components			Natural Gas Components			Steam Components			RSE Row Factors
		Electricity Total (million kWh)	Electricity from Local Utility(b) (million kWh)	Electricity from Sources Other than Local Utility(c) (million kWh)	Natural Gas Total (billion cu ft)	Natural Gas from Local Utility(b) (billion cu ft)	Natural Gas from Sources Other than Local Utility(c) (billion cu ft)	Steam Total (billion Btu)	Steam from Local Utility(b) (billion Btu)	Steam from Sources Other than Local Utility(c) (billion Btu)	

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

(b) A 'Local Utility' is an entity that produces and/or delivers a particular energy source (for example, electricity, natural gas, steam) and is legally obligated to provide service to the general public within its franchise area.

(c) 'Sources Other than Local Utility' include independent producers, brokers, marketers, and marketing subsidiaries of utilities; for the case of electricity sources, also include small power producers and cogenerators not located at the establishment site.

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.

Purchased energy sources exclude quantities delivered from any other establishment(s) in the company, quantities transferred from other establishments of the company for which payment was not made, quantities purchased centrally within the company but separate from the reporting establishment, and quantities for which payment was made in-kind.

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