

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
Total United States										
311 - 339	ALL MANUFACTURING INDUSTRIES									
	RSE Column Factors:	0.3	1	1	2.4	1.1	1.3	1	NF	
	TOTAL FUEL CONSUMPTION	16,273	2,840	208	141	5,794	103	1,182	6,006	3.3
	Indirect Uses-Boiler Fuel	--	12	127	25	2,162	8	776	--	5.5
	Conventional Boiler Use	--	9	76	25	1,306	8	255	--	5.6
	CHP and/or Cogeneration Process	--	4	51	10	857	*	521	--	3.7
	Direct Uses-Total Process	--	2,218	60	43	2,956	64	381	--	2.9
	Process Heating	--	343	58	24	2,742	60	368	--	3.2
	Process Cooling and Refrigeration	--	194	*	2	45	*	*	--	3.7
	Machine Drive	--	1,426	2	16	109	4	5	--	4.8
	Electro-Chemical Processes	--	242	--	--	--	--	--	--	1
	Other Process Use	--	13	*	1	60	*	7	--	5.3
	Direct Uses-Total Nonprocess	--	514	4	50	513	24	19	--	4.6
	Facility HVAC (g)	--	262	3	5	417	5	5	--	6.6
	Facility Lighting	--	196	--	--	--	--	--	--	1.1
	Other Facility Support	--	48	*	1	30	*	*	--	9.7
	Onsite Transportation	--	4	--	35	2	18	--	--	3.1
	Conventional Electricity Generation	--	--	1	Q	55	*	14	--	1.7
	Other Nonprocess Use	--	3	*	Q	10	*	0	--	8.8
	End Use Not Reported	6,306	96	17	12	162	6	6	6,006	8.7
311	FOOD									
	RSE Column Factors:	0.2	1.4	1.5	2.5	1.2	2.6	0.4	NF	
	TOTAL FUEL CONSUMPTION	1,116	230	13	19	575	5	184	91	9.7
	Indirect Uses-Boiler Fuel	--	Q	9	6	275	W	176	--	12
	Conventional Boiler Use	--	Q	8	6	237	W	72	--	12.7
	CHP and/or Cogeneration Process	--	*	2	1	38	0	104	--	5.5
	Direct Uses-Total Process	--	179	4	6	230	W	W	--	7.9
	Process Heating	--	7	4	1	205	W	W	--	8.8
	Process Cooling and Refrigeration	--	61	0	2	Q	*	0	--	8.9
	Machine Drive	--	110	0	3	13	*	0	--	11
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.1
	Other Process Use	--	1	*	*	4	0	0	--	13
	Direct Uses-Total Nonprocess	--	35	*	5	W	1	*	--	10.4
	Facility HVAC (g)	--	16	*	*	37	1	*	--	11.3
	Facility Lighting	--	15	--	--	--	--	--	--	1.3
	Other Facility Support	--	3	*	*	W	*	0	--	12.9
	Onsite Transportation	--	1	--	3	*	1	--	--	4.9
	Conventional Electricity Generation	--	--	0	Q	Q	0	0	--	2.1

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NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Other Nonprocess Use	--	*	*	*	*	0	0	--	12.1
	End Use Not Reported	133	14	*	1	W	W	W	91	14.1
311221	Wet Corn Milling									
	RSE Column Factors:	0.8	1.1	0.9	1.2	1.5	0.8	0.9	NF	
	TOTAL FUEL CONSUMPTION	217	23	*	*	61	*	121	11	1.3
	Indirect Uses-Boiler Fuel	--	*	*	*	32	0	121	--	1.3
	Conventional Boiler Use	--	*	*	*	22	0	62	--	1
	CHP and/or Cogeneration Process	--	*	0	*	10	0	59	--	1.6
	Direct Uses-Total Process	--	22	0	*	28	*	0	--	1.5
	Process Heating	--	1	0	0	28	*	0	--	1
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	1.1
	Machine Drive	--	21	0	*	*	*	0	--	1.8
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1
	Other Process Use	--	0	0	*	0	0	0	--	1
	Direct Uses-Total Nonprocess	--	1	*	*	1	*	0	--	1
	Facility HVAC (g)	--	*	*	*	1	*	0	--	1.1
	Facility Lighting	--	1	--	--	--	--	--	--	1
	Other Facility Support	--	*	*	0	*	0	0	--	0.9
	Onsite Transportation	--	0	--	*	0	*	--	--	1.1
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1.9
	Other Nonprocess Use	--	0	0	*	0	0	0	--	1
	End Use Not Reported	11	0	0	*	0	*	0	11	2.3
31131	Sugar									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	111	2	2	1	22	*	37	47	1
	Indirect Uses-Boiler Fuel	--	*	2	1	17	0	29	--	1
	Conventional Boiler Use	--	*	*	0	3	0	4	--	1
	CHP and/or Cogeneration Process	--	*	2	1	13	0	26	--	1
	Direct Uses-Total Process	--	2	*	*	4	*	W	--	1
	Process Heating	--	*	*	*	4	*	W	--	1
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	1
	Machine Drive	--	2	0	*	*	*	0	--	1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	*	--	1
	Facility HVAC (g)	--	*	0	0	*	*	*	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	*	*	*	0	--	1
	Onsite Transportation	--	0	--	*	0	*	--	--	1

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NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1
	Other Nonprocess Use	--	*	0	*	0	0	0	--	1
	End Use Not Reported	W	*	*	*	1	*	W	47	1
311421	Fruit and Vegetable Canning									
	RSE Column Factors:	0.3	2.2	1	0.9	1.2	2.1	0.6	NF	
	TOTAL FUEL CONSUMPTION	47	7	1	1	36	Q	0	1	18
	Indirect Uses-Boiler Fuel	--	*	Q	Q	26	*	0	--	6.3
	Conventional Boiler Use	--	*	Q	Q	W	*	0	--	6.7
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--	1.6
	Direct Uses-Total Process	--	5	*	*	W	*	0	--	8.5
	Process Heating	--	*	*	*	W	*	0	--	4.7
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--	3
	Machine Drive	--	3	0	*	*	*	0	--	4.9
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	0	0	0	--	1.2
	Direct Uses-Total Nonprocess	--	1	*	*	W	*	0	--	5.5
	Facility HVAC (g)	--	*	0	0	W	*	0	--	4.1
	Facility Lighting	--	1	--	--	--	--	--	--	1.5
	Other Facility Support	--	*	*	*	*	*	0	--	4
	Onsite Transportation	--	*	--	*	0	*	--	--	3
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	1.1
	Other Nonprocess Use	--	0	0	*	*	0	0	--	5.2
	End Use Not Reported	2	*	0	*	1	*	0	1	20.6
312	BEVERAGE AND TOBACCO PRODUCTS									
	RSE Column Factors:	0.4	2.5	0.6	1.1	1.7	2.1	0.5	NF	
	TOTAL FUEL CONSUMPTION	104	26	2	1	46	1	17	10	5.8
	Indirect Uses-Boiler Fuel	--	*	W	*	31	*	17	--	3.4
	Conventional Boiler Use	--	*	W	*	29	*	5	--	4.8
	CHP and/or Cogeneration Process	--	*	*	*	2	*	12	--	1
	Direct Uses-Total Process	--	19	*	*	8	*	*	--	2.3
	Process Heating	--	1	*	*	7	*	*	--	2.6
	Process Cooling and Refrigeration	--	8	*	*	*	*	*	--	3
	Machine Drive	--	11	*	*	*	*	*	--	4.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	*	0	*	*	*	0	--	2.1
	Direct Uses-Total Nonprocess	--	6	W	Q	5	1	*	--	3
	Facility HVAC (g)	--	3	W	*	4	*	*	--	3.2
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Other Facility Support	--	*	0	*	*	*	*	--	3.1

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	Onsite Transportation	--	*	--	Q	0	1	--	--	3.6
	Conventional Electricity Generation	--	--	0	*	0	*	*	--	1.4
	Other Nonprocess Use	--	*	0	*	*	*	0	--	4.3
	End Use Not Reported	14	1	0	*	2	*	0	10	11.6
3121	Beverages									
	RSE Column Factors:	0.3	2.7	0.5	1.4	1.5	1.7	0.6	NF	
	TOTAL FUEL CONSUMPTION	85	22	1	Q	42	1	8	10	8.2
	Indirect Uses-Boiler Fuel	--	*	W	*	29	*	8	--	5.5
	Conventional Boiler Use	--	*	W	*	26	*	2	--	6.5
	CHP and/or Cogeneration Process	--	0	*	*	2	0	6	--	1.4
	Direct Uses-Total Process	--	16	*	*	7	*	0	--	2.8
	Process Heating	--	*	*	*	6	*	0	--	4
	Process Cooling and Refrigeration	--	7	*	*	*	*	0	--	3.4
	Machine Drive	--	9	*	*	*	*	0	--	3.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	*	0	*	*	*	0	--	2.7
	Direct Uses-Total Nonprocess	--	4	W	Q	4	1	0	--	4
	Facility HVAC (g)	--	2	W	*	4	*	0	--	5.4
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Other Facility Support	--	*	0	*	*	*	0	--	3.4
	Onsite Transportation	--	*	--	Q	0	1	--	--	3.8
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	3.5
	Other Nonprocess Use	--	*	0	*	*	*	0	--	4.6
	End Use Not Reported	14	1	*	*	2	*	0	10	12.5
3122	Tobacco									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	19	4	1	*	4	*	10	*	1
	Indirect Uses-Boiler Fuel	--	*	1	*	2	*	10	--	1
	Conventional Boiler Use	--	*	*	*	2	*	2	--	1
	CHP and/or Cogeneration Process	--	*	0	0	0	*	7	--	1
	Direct Uses-Total Process	--	3	*	*	1	*	*	--	1
	Process Heating	--	*	*	*	1	*	*	--	1
	Process Cooling and Refrigeration	--	1	0	0	*	0	*	--	1
	Machine Drive	--	2	0	*	*	*	*	--	1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	*	0	--	1
	Direct Uses-Total Nonprocess	--	2	*	*	*	*	*	--	1
	Facility HVAC (g)	--	1	*	*	*	*	*	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1

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	Other Facility Support	--	*	0	*	*	0	*	--	1
	Onsite Transportation	--	*	--	*	0	*	--	--	1
	Conventional Electricity Generation	--	--	0	*	0	*	*	--	1
	Other Nonprocess Use	--	0	0	*	0	0	0	--	1
	End Use Not Reported	*	*	0	*	*	0	0	*	1
313	TEXTILE MILLS									
	RSE Column Factors:	0.2	2.5	0.8	1.5	1.1	2.5	0.6	NF	
	TOTAL FUEL CONSUMPTION	205	86	4	2	74	2	22	15	17.7
	Indirect Uses-Boiler Fuel	--	*	W	1	37	W	21	--	18.4
	Conventional Boiler Use	--	*	W	1	W	W	14	--	19.4
	CHP and/or Cogeneration Process	--	0	0	0	W	0	7	--	5.4
	Direct Uses-Total Process	--	64	0	Q	26	W	1	--	5.9
	Process Heating	--	8	0	Q	23	W	1	--	6.2
	Process Cooling and Refrigeration	--	7	0	0	0	0	0	--	6.4
	Machine Drive	--	48	0	0	3	W	0	--	9.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.6
	Other Process Use	--	*	0	*	*	0	0	--	2.5
	Direct Uses-Total Nonprocess	--	21	*	*	W	W	*	--	7
	Facility HVAC (g)	--	W	*	*	W	*	*	--	7.2
	Facility Lighting	--	W	--	--	--	--	--	--	1.4
	Other Facility Support	--	W	0	*	Q	*	0	--	7.4
	Onsite Transportation	--	*	--	*	*	W	--	--	3.3
	Conventional Electricity Generation	--	--	0	*	1	*	*	--	1.2
	Other Nonprocess Use	--	*	0	0	*	0	0	--	4.6
	End Use Not Reported	18	*	W	*	W	W	0	15	26.9
314	TEXTILE PRODUCT MILLS									
	RSE Column Factors:	0.4	3.1	0.7	0.5	2.1	2.3	0.6	NF	
	TOTAL FUEL CONSUMPTION	60	17	2	Q	29	1	Q	Q	17.6
	Indirect Uses-Boiler Fuel	--	W	W	Q	10	*	W	--	12.1
	Conventional Boiler Use	--	W	W	Q	10	*	W	--	12.1
	CHP and/or Cogeneration Process	--	0	0	*	*	0	0	--	1.4
	Direct Uses-Total Process	--	11	W	*	13	*	0	--	2.9
	Process Heating	--	1	W	*	13	*	0	--	3.3
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	4
	Machine Drive	--	9	0	0	*	0	0	--	3.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.4
	Other Process Use	--	*	0	0	*	0	0	--	6.6
	Direct Uses-Total Nonprocess	--	W	*	*	4	*	Q	--	4.3
	Facility HVAC (g)	--	W	*	*	W	*	Q	--	3.1

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	Facility Lighting	--	W	--	--	--	--	--	--	1.4
	Other Facility Support	--	*	*	*	W	0	0	--	3.8
	Onsite Transportation	--	*	--	*	*	*	--	--	3.7
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	1.6
	Other Nonprocess Use	--	*	0	*	*	*	0	--	2.8
	End Use Not Reported	5	W	W	0	1	*	0	Q	31.1
315	APPAREL									
	RSE Column Factors:	0.2	2.3	1.4	1	1.7	1.4	0.6	NF	
	TOTAL FUEL CONSUMPTION	30	12	*	1	16	*	0	*	23.5
	Indirect Uses-Boiler Fuel	--	*	*	W	4	*	0	--	12.6
	Conventional Boiler Use	--	*	*	W	4	*	0	--	12.8
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--	4.6
	Direct Uses-Total Process	--	5	*	Q	5	*	0	--	9.4
	Process Heating	--	*	*	*	2	*	0	--	8.9
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--	7.8
	Machine Drive	--	4	0	*	W	*	0	--	6
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.2
	Other Process Use	--	0	0	0	W	0	0	--	4.6
	Direct Uses-Total Nonprocess	--	5	*	*	5	*	0	--	10.6
	Facility HVAC (g)	--	3	*	*	2	*	0	--	8.5
	Facility Lighting	--	2	--	--	--	--	--	--	1.5
	Other Facility Support	--	*	0	*	2	0	0	--	9.1
	Onsite Transportation	--	*	--	*	0	*	--	--	3
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1.4
	Other Nonprocess Use	--	0	0	*	0	0	0	--	4.6
	End Use Not Reported	W	2	0	W	3	*	0	*	46.1
316	LEATHER AND ALLIED PRODUCTS									
	RSE Column Factors:	0.3	1.9	0.2	1.9	2.1	2.7	0.6	NF	
	TOTAL FUEL CONSUMPTION	7	2	*	*	4	*	0	*	8.7
	Indirect Uses-Boiler Fuel	--	*	*	*	3	*	0	--	3.6
	Conventional Boiler Use	--	*	*	*	3	*	0	--	3.6
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	3.3
	Direct Uses-Total Process	--	2	*	*	*	*	0	--	7.5
	Process Heating	--	*	*	*	*	*	0	--	6.4
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	8.8
	Machine Drive	--	1	0	*	0	*	0	--	8.7
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1
	Other Process Use	--	0	0	0	0	0	0	--	3.3
	Direct Uses-Total Nonprocess	--	1	*	*	1	*	0	--	6.4

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	Facility HVAC (g)	--	*	*	*	1	*	0	--	7.8
	Facility Lighting	--	*	--	--	--	--	--	--	1.4
	Other Facility Support	--	*	0	0	*	*	0	--	9
	Onsite Transportation	--	*	--	*	*	*	--	--	2.5
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.3
	Other Nonprocess Use	--	0	0	0	0	0	0	--	3.3
	End Use Not Reported	*	*	0	*	*	*	0	*	23.2
321	WOOD PRODUCTS									
	RSE Column Factors:	0.3	1.9	1	2	1.5	1.5	0.3	NF	
	TOTAL FUEL CONSUMPTION	375	72	1	10	57	5	1	229	4.8
	Indirect Uses-Boiler Fuel	--	*	1	1	15	*	1	--	5.8
	Conventional Boiler Use	--	*	1	1	15	*	1	--	5.8
	CHP and/or Cogeneration Process	--	*	0	*	*	0	*	--	1.4
	Direct Uses-Total Process	--	54	*	2	30	W	0	--	3.1
	Process Heating	--	4	*	*	28	W	0	--	3.1
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--	3.4
	Machine Drive	--	50	0	2	1	*	0	--	7.6
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	*	0	*	1	*	0	--	5.1
	Direct Uses-Total Nonprocess	--	W	0	5	8	2	0	--	3.9
	Facility HVAC (g)	--	5	0	*	7	*	0	--	7.7
	Facility Lighting	--	5	--	--	--	--	--	--	1.3
	Other Facility Support	--	W	0	*	*	*	0	--	8
	Onsite Transportation	--	*	--	5	*	2	--	--	3.4
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	2.1
	Other Nonprocess Use	--	*	0	*	1	*	0	--	1.9
	End Use Not Reported	241	W	*	2	4	W	0	229	14.9
321113	Sawmills									
	RSE Column Factors:	0.3	1.5	0.3	1.9	2.8	3	0.5	NF	
	TOTAL FUEL CONSUMPTION	128	20	*	5	10	1	0	92	5.3
	Indirect Uses-Boiler Fuel	--	*	*	*	W	0	0	--	7
	Conventional Boiler Use	--	*	*	*	W	0	0	--	7
	CHP and/or Cogeneration Process	--	*	0	*	*	0	0	--	1.6
	Direct Uses-Total Process	--	16	*	1	W	*	0	--	4.2
	Process Heating	--	1	*	*	W	*	0	--	4.7
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--	2.4
	Machine Drive	--	15	0	1	*	*	0	--	7
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	*	0	*	0	0	0	--	3.1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Direct Uses-Total Nonprocess	--	W	0	3	*	*	0	--	4.4
	Facility HVAC (g)	--	W	0	*	*	*	0	--	6.6
	Facility Lighting	--	W	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	*	*	*	0	--	4.2
	Onsite Transportation	--	*	--	2	0	*	--	--	3.7
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	3.5
	Other Nonprocess Use	--	*	0	*	0	0	0	--	1.3
	End Use Not Reported	W	W	0	1	*	*	0	92	14
3212	Veneer, Plywood, and Engineered Woods									
	RSE Column Factors:	0.3	1.6	2.1	2	1	1.2	0.4	NF	
	TOTAL FUEL CONSUMPTION	167	33	1	2	33	3	1	95	5.7
	Indirect Uses-Boiler Fuel	--	*	1	*	W	*	1	--	3.1
	Conventional Boiler Use	--	*	1	*	W	*	1	--	3.1
	CHP and/or Cogeneration Process	--	*	0	0	*	0	*	--	1.5
	Direct Uses-Total Process	--	27	0	*	21	W	0	--	5.2
	Process Heating	--	2	0	*	19	W	0	--	5.8
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	5
	Machine Drive	--	24	0	*	Q	*	0	--	6.9
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1
	Other Process Use	--	*	0	*	1	*	0	--	6.3
	Direct Uses-Total Nonprocess	--	W	0	1	4	1	0	--	5.7
	Facility HVAC (g)	--	W	0	*	2	*	0	--	10.4
	Facility Lighting	--	W	--	--	--	--	--	--	1.4
	Other Facility Support	--	W	0	*	*	*	0	--	4.5
	Onsite Transportation	--	*	--	1	*	1	--	--	2.5
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	3.3
	Other Nonprocess Use	--	*	0	*	1	*	0	--	2.5
	End Use Not Reported	99	W	*	*	W	W	0	95	11.6
3219	Other Wood Products									
	RSE Column Factors:	0.3	1.8	0.5	2.4	1.4	2.1	0.5	NF	
	TOTAL FUEL CONSUMPTION	73	18	*	2	11	1	0	40	7.3
	Indirect Uses-Boiler Fuel	--	*	*	*	2	*	0	--	9.6
	Conventional Boiler Use	--	*	*	*	2	*	0	--	9.7
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--	1.5
	Direct Uses-Total Process	--	12	0	1	4	*	0	--	7.3
	Process Heating	--	1	0	*	4	*	0	--	7
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	4.1
	Machine Drive	--	11	0	1	*	*	0	--	9.7
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Other Process Use	--	0	0	*	*	0	0	--	1.5
	Direct Uses-Total Nonprocess	--	4	0	1	4	1	0	--	6.5
	Facility HVAC (g)	--	2	0	*	4	*	0	--	7.7
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Other Facility Support	--	*	0	*	*	*	0	--	4.8
	Onsite Transportation	--	*	--	1	*	1	--	--	5
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	1.9
	Other Nonprocess Use	--	*	0	*	0	0	0	--	1.2
	End Use Not Reported	45	2	*	*	1	*	0	40	18.4
322	PAPER									
	RSE Column Factors:	0.4	1.8	0.8	1.1	1.3	2.5	0.5	NF	
	TOTAL FUEL CONSUMPTION	2,361	223	100	13	504	6	234	1,280	2.5
	Indirect Uses-Boiler Fuel	--	3	69	9	306	*	214	--	3
	Conventional Boiler Use	--	1	29	2	143	*	38	--	3.9
	CHP and/or Cogeneration Process	--	3	40	7	162	0	176	--	1.7
	Direct Uses-Total Process	--	195	27	2	154	1	W	--	3.4
	Process Heating	--	5	25	2	130	1	W	--	3.8
	Process Cooling and Refrigeration	--	4	*	*	3	0	*	--	2
	Machine Drive	--	184	2	*	19	*	5	--	4.3
	Electro-Chemical Processes	--	2	--	--	--	--	--	--	1.5
	Other Process Use	--	1	*	*	2	*	W	--	2.6
	Direct Uses-Total Nonprocess	--	21	1	2	29	3	W	--	3.9
	Facility HVAC (g)	--	10	*	*	19	*	W	--	5.1
	Facility Lighting	--	10	--	--	--	--	--	--	1.2
	Other Facility Support	--	2	*	*	*	*	0	--	2.3
	Onsite Transportation	--	*	--	2	*	2	--	--	3.7
	Conventional Electricity Generation	--	--	1	*	9	*	4	--	1
	Other Nonprocess Use	--	*	*	*	Q	*	0	--	3.3
	End Use Not Reported	W	4	3	*	15	Q	W	1,280	10.8
322110	Pulp Mills									
	RSE Column Factors:	1	1.1	1.1	0.9	0.9	1	1	NF	
	TOTAL FUEL CONSUMPTION	224	5	W	5	24	*	W	175	1
	Indirect Uses-Boiler Fuel	--	1	W	5	14	*	W	--	1.1
	Conventional Boiler Use	--	*	W	*	5	*	0	--	1.3
	CHP and/or Cogeneration Process	--	1	6	5	9	0	W	--	1
	Direct Uses-Total Process	--	4	3	*	10	*	W	--	1
	Process Heating	--	*	3	*	9	*	W	--	1
	Process Cooling and Refrigeration	--	*	*	*	0	0	0	--	1
	Machine Drive	--	4	*	*	*	0	*	--	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1
	Other Process Use	--	*	*	*	*	0	W	--	1
	Direct Uses-Total Nonprocess	--	*	*	*	*	*	*	--	1.2
	Facility HVAC (g)	--	*	*	*	*	*	*	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1.1
	Other Facility Support	--	*	*	*	0	*	0	--	1
	Onsite Transportation	--	0	--	*	0	*	--	--	1.1
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1
	Other Nonprocess Use	--	0	*	0	0	0	0	--	1
	End Use Not Reported	175	0	0	0	0	*	0	175	1
322121	Paper Mills, except Newsprint									
	RSE Column Factors:	0.4	1.1	1.8	1.4	1	1.4	0.6	NF	
	TOTAL FUEL CONSUMPTION	1,002	78	47	4	206	1	139	526	2.3
	Indirect Uses-Boiler Fuel	--	1	31	1	127	*	130	--	3
	Conventional Boiler Use	--	*	11	*	56	*	23	--	3.1
	CHP and/or Cogeneration Process	--	1	21	1	71	0	107	--	1.3
	Direct Uses-Total Process	--	71	14	1	71	1	W	--	3.2
	Process Heating	--	2	14	1	57	*	W	--	3.4
	Process Cooling and Refrigeration	--	1	0	*	3	0	*	--	1.8
	Machine Drive	--	68	*	*	10	*	W	--	1.5
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	*	*	1	*	0	--	4.4
	Direct Uses-Total Nonprocess	--	5	1	1	6	1	W	--	2.2
	Facility HVAC (g)	--	2	*	*	5	*	W	--	5
	Facility Lighting	--	2	--	--	--	--	--	--	1.1
	Other Facility Support	--	*	0	*	*	0	0	--	1.9
	Onsite Transportation	--	*	--	1	0	1	--	--	1.2
	Conventional Electricity Generation	--	--	*	*	1	*	1	--	1
	Other Nonprocess Use	--	*	0	*	*	0	0	--	2.9
	End Use Not Reported	W	1	1	*	2	*	W	526	12.4
322122	Newsprint Mills									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	94	38	W	*	16	*	W	27	1
	Indirect Uses-Boiler Fuel	--	*	W	*	10	*	W	--	1
	Conventional Boiler Use	--	0	W	*	3	*	W	--	1
	CHP and/or Cogeneration Process	--	*	0	0	7	0	W	--	1
	Direct Uses-Total Process	--	36	0	*	W	0	W	--	1
	Process Heating	--	*	0	0	W	0	0	--	1
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Machine Drive	--	34	0	*	0	0	0	--	1
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1
	Other Process Use	--	*	0	0	*	0	W	--	1
	Direct Uses-Total Nonprocess	--	W	0	*	*	*	W	--	1
	Facility HVAC (g)	--	1	0	0	*	0	W	--	1
	Facility Lighting	--	W	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	0	*	0	0	--	1
	Onsite Transportation	--	0	--	*	0	*	--	--	1
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1
	End Use Not Reported	W	W	0	*	W	*	W	27	1
322130	Paperboard Mills									
	RSE Column Factors:	0.5	2.5	1.1	1	1	0.9	0.8	NF	
	TOTAL FUEL CONSUMPTION	907	56	34	4	188	*	83	542	2.5
	Indirect Uses-Boiler Fuel	--	1	22	1	129	*	76	--	2.5
	Conventional Boiler Use	--	*	8	1	54	*	W	--	3.5
	CHP and/or Cogeneration Process	--	1	14	1	75	0	W	--	1.5
	Direct Uses-Total Process	--	50	10	*	44	*	W	--	2.7
	Process Heating	--	1	8	*	37	*	W	--	1.6
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	1.2
	Machine Drive	--	50	2	*	8	*	W	--	3.1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	*	0	--	2.2
	Direct Uses-Total Nonprocess	--	4	*	1	10	*	3	--	1.8
	Facility HVAC (g)	--	2	*	0	2	*	*	--	2.9
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Other Facility Support	--	*	*	*	*	*	0	--	1.3
	Onsite Transportation	--	*	--	1	0	*	--	--	2.8
	Conventional Electricity Generation	--	--	0	*	8	0	3	--	1
	Other Nonprocess Use	--	*	0	*	0	0	0	--	0.9
	End Use Not Reported	W	1	2	*	5	*	W	542	4.4
323	PRINTING AND RELATED SUPPORT									
	RSE Column Factors:	0.3	2.5	0.5	2.2	1.6	1.7	0.5	NF	
	TOTAL FUEL CONSUMPTION	98	50	*	*	46	1	0	1	7.8
	Indirect Uses-Boiler Fuel	--	*	0	*	W	*	0	--	7.5
	Conventional Boiler Use	--	*	0	*	6	*	0	--	7.8
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--	1.5
	Direct Uses-Total Process	--	28	*	*	20	*	0	--	4.8
	Process Heating	--	1	*	0	19	*	0	--	6.7

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--	4.6
	Machine Drive	--	25	0	*	1	*	0	--	5.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.6
	Other Process Use	--	*	0	*	*	*	0	--	8.1
	Direct Uses-Total Nonprocess	--	16	*	*	16	1	0	--	7.7
	Facility HVAC (g)	--	9	*	*	15	*	0	--	5.3
	Facility Lighting	--	6	--	--	--	--	--	--	1.3
	Other Facility Support	--	1	0	*	1	*	0	--	4.4
	Onsite Transportation	--	*	--	*	*	*	--	--	4.3
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	0.9
	Other Nonprocess Use	--	*	0	*	*	0	0	--	7.2
	End Use Not Reported	W	6	0	*	W	*	0	1	18.6
324	PETROLEUM AND COAL PRODUCTS									
	RSE Column Factors:	0.3	1.3	1.1	2	1.2	1.3	0.7	NF	
	TOTAL FUEL CONSUMPTION	3,202	127	25	16	878	24	13	2,119	4.6
	Indirect Uses-Boiler Fuel	--	1	11	2	289	5	5	--	4.6
	Conventional Boiler Use	--	1	6	2	154	5	2	--	6.1
	CHP and/or Cogeneration Process	--	*	5	1	135	*	3	--	1.5
	Direct Uses-Total Process	--	119	7	9	544	18	4	--	6.1
	Process Heating	--	10	7	7	526	18	4	--	6.3
	Process Cooling and Refrigeration	--	5	0	*	2	*	0	--	1.2
	Machine Drive	--	103	0	1	12	Q	0	--	5.3
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.2
	Other Process Use	--	*	0	*	4	*	0	--	4
	Direct Uses-Total Nonprocess	--	8	0	2	38	*	4	--	3.1
	Facility HVAC (g)	--	4	0	*	7	*	W	--	5.8
	Facility Lighting	--	3	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	*	2	*	0	--	4
	Onsite Transportation	--	*	--	1	*	*	--	--	5.7
	Conventional Electricity Generation	--	--	0	*	29	*	W	--	1.3
	Other Nonprocess Use	--	*	0	*	*	*	0	--	3.6
	End Use Not Reported	2,134	*	7	Q	7	*	0	2,119	7.2
324110	Petroleum Refineries									
	RSE Column Factors:	0.4	1.1	1.3	0.6	0.9	0.8	4.1	NF	
	TOTAL FUEL CONSUMPTION	3,086	121	21	5	821	20	1	2,097	3.8
	Indirect Uses-Boiler Fuel	--	1	10	2	278	5	*	--	3.6
	Conventional Boiler Use	--	1	5	2	143	4	*	--	4.4
	CHP and/or Cogeneration Process	--	*	5	1	135	*	*	--	2.2
	Direct Uses-Total Process	--	113	4	1	506	15	1	--	4.4

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Process Heating	--	9	4	1	490	15	1	--	4.6
	Process Cooling and Refrigeration	--	5	0	*	2	*	0	--	1.8
	Machine Drive	--	98	0	*	11	*	0	--	7.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	0	3	*	0	--	2.2
	Direct Uses-Total Nonprocess	--	7	0	1	35	*	0	--	2
	Facility HVAC (g)	--	4	0	0	5	*	0	--	2.5
	Facility Lighting	--	3	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	*	1	*	0	--	5.3
	Onsite Transportation	--	*	--	1	*	*	--	--	1.8
	Conventional Electricity Generation	--	--	0	*	29	*	0	--	1.9
	Other Nonprocess Use	--	0	0	*	*	0	0	--	1.7
	End Use Not Reported	2,106	*	7	*	2	0	0	2,097	4.1
324199	Other Petroleum and Coal Products									
	RSE Column Factors:	0.9	1.1	0.8	2	0.9	0.8	0.8	NF	
	TOTAL FUEL CONSUMPTION	34	-2	*	*	5	*	11	19	1.6
	Indirect Uses-Boiler Fuel	--	*	*	0	1	0	W	--	1.1
	Conventional Boiler Use	--	*	*	0	1	0	W	--	1.1
	CHP and/or Cogeneration Process	--	*	0	0	*	0	W	--	1.1
	Direct Uses-Total Process	--	1	*	*	4	*	W	--	1.2
	Process Heating	--	*	*	*	3	*	W	--	1
	Process Cooling and Refrigeration	--	*	0	*	0	0	0	--	0.8
	Machine Drive	--	*	0	*	*	*	0	--	1.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1
	Other Process Use	--	0	0	0	*	0	0	--	1.1
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	4	--	1.7
	Facility HVAC (g)	--	*	0	0	*	*	W	--	1.1
	Facility Lighting	--	*	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	0	*	*	0	--	1.1
	Onsite Transportation	--	0	--	*	0	*	--	--	1.9
	Conventional Electricity Generation	--	--	0	*	*	0	W	--	0.9
	Other Nonprocess Use	--	0	0	*	0	0	0	--	0.7
	End Use Not Reported	17	S	0	*	0	0	0	19	0.8
325	CHEMICALS									
	RSE Column Factors:	0.3	1.1	0.6	3	0.8	1.1	2	NF	
	TOTAL FUEL CONSUMPTION	3,767	522	41	14	1,678	37	314	1,159	5.7
	Indirect Uses-Boiler Fuel	--	3	19	W	927	W	300	--	6.3
	Conventional Boiler Use	--	2	W	W	451	W	88	--	4.7
	CHP and/or Cogeneration Process	--	*	W	1	476	*	212	--	3.5

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Direct Uses-Total Process	--	443	16	3	684	W	10	--	5.6
	Process Heating	--	20	16	2	588	W	W	--	6
	Process Cooling and Refrigeration	--	49	0	*	25	*	0	--	3.1
	Machine Drive	--	300	*	1	43	W	0	--	4.7
	Electro-Chemical Processes	--	74	--	--	--	--	--	--	1
	Other Process Use	--	1	*	*	28	*	W	--	7.4
	Direct Uses-Total Nonprocess	--	65	W	W	47	W	W	--	7.8
	Facility HVAC (g)	--	34	W	1	33	W	W	--	7.8
	Facility Lighting	--	24	--	--	--	--	--	--	1.2
	Other Facility Support	--	6	*	*	3	*	*	--	5.5
	Onsite Transportation	--	1	--	W	1	W	--	--	3.8
	Conventional Electricity Generation	--	--	0	*	7	*	0	--	2
	Other Nonprocess Use	--	*	*	*	3	*	0	--	4.6
	End Use Not Reported	W	11	W	W	20	W	W	1,159	12.8
325110	Petrochemicals									
	RSE Column Factors:	0.9	0.9	1	1.3	0.9	0.9	1	NF	
	TOTAL FUEL CONSUMPTION	474	W	W	*	172	W	W	233	1.1
	Indirect Uses-Boiler Fuel	--	1	W	*	55	W	W	--	1
	Conventional Boiler Use	--	1	W	*	36	W	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	19	*	W	--	1.1
	Direct Uses-Total Process	--	13	0	*	110	W	0	--	1
	Process Heating	--	1	0	0	W	W	0	--	1.1
	Process Cooling and Refrigeration	--	2	0	0	1	0	0	--	1.1
	Machine Drive	--	8	0	*	W	*	0	--	1
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1
	Other Process Use	--	*	0	0	*	0	0	--	1.1
	Direct Uses-Total Nonprocess	--	W	0	*	5	W	0	--	1.9
	Facility HVAC (g)	--	1	0	*	W	W	0	--	1.1
	Facility Lighting	--	1	--	--	--	--	--	--	1
	Other Facility Support	--	W	0	0	1	0	0	--	1.1
	Onsite Transportation	--	*	--	*	1	0	--	--	1
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.1
	Other Nonprocess Use	--	0	0	*	W	0	0	--	0.9
	End Use Not Reported	237	2	0	*	2	0	0	233	1
325120	Industrial Gases									
	RSE Column Factors:	0.7	4.9	0.7	0.5	2	0.8	0.7	NF	
	TOTAL FUEL CONSUMPTION	177	W	0	*	52	*	0	W	5.8
	Indirect Uses-Boiler Fuel	--	0	0	*	45	*	0	--	1.8
	Conventional Boiler Use	--	0	0	*	W	*	0	--	2.6

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--	0.9
	Direct Uses-Total Process	--	71	0	*	W	*	0	--	1.6
	Process Heating	--	1	0	*	7	*	0	--	1.6
	Process Cooling and Refrigeration	--	8	0	*	*	*	0	--	1.8
	Machine Drive	--	63	0	*	W	*	0	--	2.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	0	0	0	*	0	0	--	0.9
	Direct Uses-Total Nonprocess	--	W	0	*	*	*	0	--	4.2
	Facility HVAC (g)	--	2	0	*	*	*	0	--	2.4
	Facility Lighting	--	1	--	--	--	--	--	--	1.3
	Other Facility Support	--	W	0	*	*	*	0	--	2.8
	Onsite Transportation	--	0	--	*	0	*	--	--	1.6
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1.5
	End Use Not Reported	W	1	0	*	*	0	0	W	4.1
325181	Alkalies and Chlorine									
	RSE Column Factors:	1	1	1	0.9	1	0.9	1.3	NF	
	TOTAL FUEL CONSUMPTION	173	42	*	*	94	*	20	16	1.6
	Indirect Uses-Boiler Fuel	--	*	*	*	79	0	18	--	1
	Conventional Boiler Use	--	*	*	*	W	0	W	--	1
	CHP and/or Cogeneration Process	--	0	0	0	W	0	W	--	0.9
	Direct Uses-Total Process	--	41	*	*	W	*	Q	--	1.2
	Process Heating	--	*	*	*	W	0	Q	--	1.2
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	1
	Machine Drive	--	7	0	*	0	*	0	--	1.3
	Electro-Chemical Processes	--	32	--	--	--	--	--	--	1
	Other Process Use	--	0	0	0	1	0	0	--	1
	Direct Uses-Total Nonprocess	--	1	0	*	W	*	0	--	1
	Facility HVAC (g)	--	1	0	0	W	*	0	--	1
	Facility Lighting	--	1	--	--	--	--	--	--	1.1
	Other Facility Support	--	*	0	0	0	0	0	--	1
	Onsite Transportation	--	0	--	*	0	*	--	--	1
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1
	Other Nonprocess Use	--	0	0	*	*	0	0	--	1
	End Use Not Reported	W	*	0	0	W	0	0	16	1
325182	Carbon Black									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	39	2	11	*	10	*	0	16	1
	Indirect Uses-Boiler Fuel	--	*	0	0	2	0	0	--	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Conventional Boiler Use	--	*	0	0	2	0	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--	1
	Direct Uses-Total Process	--	2	W	*	7	*	0	--	1
	Process Heating	--	*	W	0	7	0	0	--	1
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	1
	Machine Drive	--	2	0	*	*	*	0	--	1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1
	Other Process Use	--	0	0	*	*	0	0	--	1
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--	1
	Facility HVAC (g)	--	*	0	0	*	0	0	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	0	*	*	0	--	1
	Onsite Transportation	--	*	--	*	0	*	--	--	1
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1
	End Use Not Reported	W	0	W	0	0	*	0	16	1
325188	Other Basic Inorganic Chemicals									
	RSE Column Factors:	0.5	1.4	0.6	0.7	3	2.6	0.5	NF	
	TOTAL FUEL CONSUMPTION	210	88	2	2	68	*	19	30	3.2
	Indirect Uses-Boiler Fuel	--	*	*	*	20	*	W	--	2.9
	Conventional Boiler Use	--	*	*	*	17	*	W	--	2.7
	CHP and/or Cogeneration Process	--	*	0	*	3	0	W	--	2.6
	Direct Uses-Total Process	--	80	2	*	40	*	1	--	1.7
	Process Heating	--	2	2	*	39	*	W	--	2
	Process Cooling and Refrigeration	--	2	0	0	*	*	0	--	5.7
	Machine Drive	--	62	0	*	Q	*	0	--	2.8
	Electro-Chemical Processes	--	14	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	1	*	W	--	1.9
	Direct Uses-Total Nonprocess	--	7	*	W	3	*	W	--	2.4
	Facility HVAC (g)	--	4	0	*	2	*	W	--	3.2
	Facility Lighting	--	2	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	0	*	*	0	--	2.2
	Onsite Transportation	--	*	--	W	0	*	--	--	1.8
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	1.2
	Other Nonprocess Use	--	*	*	0	*	*	0	--	4
	End Use Not Reported	W	2	*	W	6	*	1	30	4.5
325192	Cyclic Crudes and Intermediates									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	72	12	*	*	37	*	0	23	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Indirect Uses-Boiler Fuel	--	*	*	*	26	0	0	--	1
	Conventional Boiler Use	--	*	*	*	W	0	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--	1
	Direct Uses-Total Process	--	10	*	*	W	*	0	--	1
	Process Heating	--	1	*	0	W	*	0	--	1
	Process Cooling and Refrigeration	--	2	0	0	0	*	0	--	1
	Machine Drive	--	6	0	*	0	0	0	--	1
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	0	0	--	1
	Direct Uses-Total Nonprocess	--	2	0	*	W	*	0	--	1
	Facility HVAC (g)	--	1	0	0	W	0	0	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	0	*	0	0	--	1
	Onsite Transportation	--	0	--	*	0	*	--	--	1
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1
	End Use Not Reported	23	0	0	*	*	*	0	23	1
325193	Ethyl Alcohol									
	RSE Column Factors:	1	1.7	0.9	0.6	1	0.6	1.7	NF	
	TOTAL FUEL CONSUMPTION	60	W	0	*	30	*	19	W	4.2
	Indirect Uses-Boiler Fuel	--	*	0	*	18	*	18	--	1.6
	Conventional Boiler Use	--	*	0	*	18	*	11	--	1.7
	CHP and/or Cogeneration Process	--	0	0	*	1	0	6	--	1
	Direct Uses-Total Process	--	4	0	*	10	*	1	--	2.1
	Process Heating	--	*	0	0	10	*	1	--	1.4
	Process Cooling and Refrigeration	--	*	0	0	0	*	0	--	1
	Machine Drive	--	4	0	*	0	0	0	--	2.4
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1.1
	Other Process Use	--	0	0	0	*	0	0	--	1
	Direct Uses-Total Nonprocess	--	W	0	*	1	*	0	--	1.3
	Facility HVAC (g)	--	*	0	0	1	*	0	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1.3
	Other Facility Support	--	W	0	0	0	0	0	--	0.8
	Onsite Transportation	--	0	--	*	0	*	--	--	1.1
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	0.8
	Other Nonprocess Use	--	0	0	0	*	0	0	--	1
	End Use Not Reported	W	0	0	0	1	*	0	W	3.8
325199	Other Basic Organic Chemicals									
	RSE Column Factors:	0.4	2.3	0.6	1.9	1	1.5	0.7	NF	

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	TOTAL FUEL CONSUMPTION	1,184	78	W	2	425	W	W	514	14.7
	Indirect Uses-Boiler Fuel	--	*	7	W	235	W	W	--	8.6
	Conventional Boiler Use	--	*	7	W	123	W	W	--	8.3
	CHP and/or Cogeneration Process	--	*	0	*	111	0	W	--	1.9
	Direct Uses-Total Process	--	68	W	*	180	W	0	--	6.1
	Process Heating	--	5	W	*	134	W	0	--	6.7
	Process Cooling and Refrigeration	--	10	0	*	21	*	0	--	1.9
	Machine Drive	--	42	0	*	6	*	0	--	4.5
	Electro-Chemical Processes	--	12	--	--	--	--	--	--	1.2
	Other Process Use	--	*	0	*	18	*	0	--	5.4
	Direct Uses-Total Nonprocess	--	9	W	*	10	W	0	--	6.9
	Facility HVAC (g)	--	4	W	*	6	*	0	--	4.7
	Facility Lighting	--	4	--	--	--	--	--	--	1.5
	Other Facility Support	--	1	0	*	1	*	0	--	2.1
	Onsite Transportation	--	*	--	*	*	W	--	--	2.9
	Conventional Electricity Generation	--	--	0	*	3	0	0	--	1.1
	Other Nonprocess Use	--	*	0	*	*	*	0	--	1
	End Use Not Reported	W	*	0	W	1	W	0	514	4.2
325211	Plastics Materials and Resins									
	RSE Column Factors:	0.3	1.6	0.5	1	1.1	2.4	1.3	NF	
	TOTAL FUEL CONSUMPTION	665	73	1	1	348	*	27	214	9.8
	Indirect Uses-Boiler Fuel	--	1	*	W	243	*	26	--	3.3
	Conventional Boiler Use	--	1	*	W	48	*	13	--	2.1
	CHP and/or Cogeneration Process	--	0	0	0	194	0	Q	--	1.6
	Direct Uses-Total Process	--	65	*	*	97	*	0	--	3.3
	Process Heating	--	4	*	*	91	*	0	--	4.2
	Process Cooling and Refrigeration	--	8	0	*	1	*	0	--	1.4
	Machine Drive	--	43	0	*	2	*	0	--	4.6
	Electro-Chemical Processes	--	10	--	--	--	--	--	--	1.2
	Other Process Use	--	*	0	*	2	*	0	--	11.2
	Direct Uses-Total Nonprocess	--	7	*	*	5	*	0	--	4.9
	Facility HVAC (g)	--	3	*	*	W	*	0	--	5.8
	Facility Lighting	--	3	--	--	--	--	--	--	1.2
	Other Facility Support	--	1	0	*	*	*	0	--	2.3
	Onsite Transportation	--	*	--	*	*	*	--	--	4
	Conventional Electricity Generation	--	--	0	*	1	0	0	--	1.6
	Other Nonprocess Use	--	*	0	*	W	*	0	--	4.5
	End Use Not Reported	W	W	*	W	3	*	Q	214	10.1
325212	Synthetic Rubber									
	RSE Column Factors:	0.3	2.6	4.1	0.8	1	1.2	0.3	NF	

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	RSE Column Factors:	0.4	2.1	0.6	2.9	1.8	1.2	0.3	NF	
	TOTAL FUEL CONSUMPTION	121	37	2	3	62	*	9	9	4.3
	Indirect Uses-Boiler Fuel	--	*	2	2	45	*	9	--	4.5
	Conventional Boiler Use	--	*	W	2	27	*	9	--	5.6
	CHP and/or Cogeneration Process	--	0	W	*	18	0	0	--	1
	Direct Uses-Total Process	--	19	0	*	9	*	0	--	5.7
	Process Heating	--	1	0	*	8	*	0	--	3
	Process Cooling and Refrigeration	--	6	0	*	*	0	0	--	3.1
	Machine Drive	--	11	0	*	*	*	0	--	7.4
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.5
	Other Process Use	--	*	0	*	*	0	0	--	5.2
	Direct Uses-Total Nonprocess	--	W	0	*	7	*	0	--	4
	Facility HVAC (g)	--	10	0	*	5	*	0	--	3.8
	Facility Lighting	--	W	--	--	--	--	--	--	1.2
	Other Facility Support	--	1	0	*	1	*	0	--	3.6
	Onsite Transportation	--	*	--	*	0	*	--	--	3.6
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	1
	Other Nonprocess Use	--	*	0	*	1	0	0	--	4.2
	End Use Not Reported	W	W	*	*	1	*	0	9	9.4
325412	Pharmaceutical Preparation									
	RSE Column Factors:	0.4	1.9	0.7	1.6	2	1.4	0.4	NF	
	TOTAL FUEL CONSUMPTION	84	28	2	1	40	*	9	4	5
	Indirect Uses-Boiler Fuel	--	*	2	*	28	0	9	--	3
	Conventional Boiler Use	--	*	W	*	18	0	9	--	3.6
	CHP and/or Cogeneration Process	--	0	W	*	9	0	0	--	1
	Direct Uses-Total Process	--	15	0	*	7	*	0	--	6.3
	Process Heating	--	1	0	*	6	*	0	--	3
	Process Cooling and Refrigeration	--	5	0	0	*	0	0	--	1.8
	Machine Drive	--	9	0	*	*	*	0	--	5.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.1
	Other Process Use	--	*	0	*	*	0	0	--	6.1
	Direct Uses-Total Nonprocess	--	W	0	*	5	*	0	--	6.9
	Facility HVAC (g)	--	W	0	*	4	*	0	--	5.7
	Facility Lighting	--	4	--	--	--	--	--	--	1.2
	Other Facility Support	--	1	0	*	*	*	0	--	2.8
	Onsite Transportation	--	*	--	*	0	*	--	--	3.5
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	0.8
	Other Nonprocess Use	--	*	0	*	1	0	0	--	3.9
	End Use Not Reported	W	W	0	*	1	*	0	4	14.4

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
325992	Photographic Film, Paper, Plate, and Chemicals									
	RSE Column Factors:	0.5	2.7	0.4	1.3	2	1.5	0.5	NF	
	TOTAL FUEL CONSUMPTION	29	W	1	*	7	*	W	*	6.6
	Indirect Uses-Boiler Fuel	--	*	1	*	5	0	W	--	3
	Conventional Boiler Use	--	*	1	*	2	0	0	--	4.7
	CHP and/or Cogeneration Process	--	*	*	*	3	0	W	--	1.1
	Direct Uses-Total Process	--	4	0	*	2	*	0	--	2.4
	Process Heating	--	*	0	*	1	*	0	--	2
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	2.6
	Machine Drive	--	2	0	*	*	0	0	--	3.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	0	0	*	*	0	0	--	0.9
	Direct Uses-Total Nonprocess	--	W	0	*	1	*	0	--	7.6
	Facility HVAC (g)	--	1	0	*	1	*	0	--	2.9
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Other Facility Support	--	W	0	*	*	0	0	--	2.8
	Onsite Transportation	--	*	--	*	0	*	--	--	3.4
	Conventional Electricity Generation	--	--	0	0	0	*	0	--	0.8
	Other Nonprocess Use	--	*	0	*	*	0	0	--	0.7
	End Use Not Reported	*	*	0	0	*	*	0	*	8
326	PLASTICS AND RUBBER PRODUCTS									
	RSE Column Factors:	0.2	1.2	1.5	2.4	1.6	2	0.4	NF	
	TOTAL FUEL CONSUMPTION	348	170	7	2	128	3	Q	5	7.9
	Indirect Uses-Boiler Fuel	--	*	5	1	50	W	Q	--	7.8
	Conventional Boiler Use	--	*	5	1	48	W	W	--	9.4
	CHP and/or Cogeneration Process	--	*	0	0	2	0	W	--	6.1
	Direct Uses-Total Process	--	134	2	*	39	W	0	--	9.2
	Process Heating	--	26	2	*	37	W	0	--	7.3
	Process Cooling and Refrigeration	--	14	0	0	1	0	0	--	8.5
	Machine Drive	--	91	*	*	1	*	0	--	5.5
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.7
	Other Process Use	--	2	0	*	1	*	0	--	15.1
	Direct Uses-Total Nonprocess	--	36	1	1	28	W	0	--	7.4
	Facility HVAC (g)	--	17	1	*	24	W	0	--	9.8
	Facility Lighting	--	14	--	--	--	--	--	--	1.3
	Other Facility Support	--	4	0	*	1	*	0	--	9.8
	Onsite Transportation	--	*	--	*	*	2	--	--	3.9
	Conventional Electricity Generation	--	--	0	*	Q	*	0	--	3
	Other Nonprocess Use	--	*	0	*	1	*	0	--	13.1
	End Use Not Reported	W	*	0	*	12	W	0	5	22

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
327	NONMETALLIC MINERAL PRODUCTS									
	RSE Column Factors:	0.4	1.6	0.3	4.3	1.4	2.6	0.3	NF	
	TOTAL FUEL CONSUMPTION	1,052	142	3	31	421	3	309	144	4.5
	Indirect Uses-Boiler Fuel	--	*	*	W	13	*	W	--	5.4
	Conventional Boiler Use	--	*	*	W	10	*	W	--	6.6
	CHP and/or Cogeneration Process	--	*	*	*	3	0	W	--	1.9
	Direct Uses-Total Process	--	120	W	9	364	1	W	--	3.7
	Process Heating	--	29	W	4	358	1	W	--	3.3
	Process Cooling and Refrigeration	--	5	0	*	*	0	0	--	3.1
	Machine Drive	--	83	0	5	2	*	0	--	6.3
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--	1.1
	Other Process Use	--	1	0	*	Q	*	0	--	1.5
	Direct Uses-Total Nonprocess	--	18	W	18	22	1	*	--	4.5
	Facility HVAC (g)	--	9	W	*	21	*	*	--	6.1
	Facility Lighting	--	7	--	--	--	--	--	--	1.3
	Other Facility Support	--	2	0	*	1	*	0	--	7.5
	Onsite Transportation	--	*	--	11	*	1	--	--	3.4
	Conventional Electricity Generation	--	--	0	Q	0	*	0	--	0.9
	Other Nonprocess Use	--	*	0	Q	*	*	0	--	1.4
	End Use Not Reported	174	4	W	W	23	*	*	144	8.6
3272	Glass and Glass Products									
	RSE Column Factors:	0.6	2.5	0.6	0.8	1.4	1.4	0.7	NF	
	TOTAL FUEL CONSUMPTION	200	42	W	W	152	1	0	4	3
	Indirect Uses-Boiler Fuel	--	*	*	W	2	*	0	--	1.6
	Conventional Boiler Use	--	*	*	W	2	*	0	--	1.6
	CHP and/or Cogeneration Process	--	0	0	*	*	0	0	--	1.7
	Direct Uses-Total Process	--	35	W	*	141	*	0	--	1.3
	Process Heating	--	16	W	*	138	*	0	--	1.4
	Process Cooling and Refrigeration	--	2	0	*	*	0	0	--	1.4
	Machine Drive	--	16	0	*	1	*	0	--	3.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.7
	Other Process Use	--	*	0	*	1	*	0	--	0.8
	Direct Uses-Total Nonprocess	--	6	W	*	7	*	0	--	1.9
	Facility HVAC (g)	--	3	W	*	7	*	0	--	1.8
	Facility Lighting	--	2	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	*	*	*	0	--	2
	Onsite Transportation	--	*	--	*	*	*	--	--	1.4
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	0.9
	Other Nonprocess Use	--	*	0	*	0	0	0	--	5.5

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	End Use Not Reported	7	1	0	*	2	*	0	4	29.8
327211	Flat Glass									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	62	6	W	W	52	*	0	2	1
	Indirect Uses-Boiler Fuel	--	0	0	W	*	0	0	--	1
	Conventional Boiler Use	--	0	0	W	*	0	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Process	--	W	W	*	50	*	0	--	1
	Process Heating	--	W	W	*	50	*	0	--	1
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	1
	Machine Drive	--	3	0	*	*	*	0	--	1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	0	0	--	1
	Direct Uses-Total Nonprocess	--	W	*	*	1	*	0	--	1
	Facility HVAC (g)	--	W	*	0	1	0	0	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	*	*	*	0	--	1
	Onsite Transportation	--	*	--	*	0	*	--	--	1
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1
	End Use Not Reported	2	0	0	0	0	*	0	2	1
327213	Glass Containers									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	66	13	0	*	52	*	0	*	1
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--	1
	Conventional Boiler Use	--	*	0	0	*	0	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Process	--	12	0	*	50	*	0	--	1
	Process Heating	--	4	0	0	49	*	0	--	1
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	1
	Machine Drive	--	7	0	*	0	0	0	--	1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	0	0	--	1
	Direct Uses-Total Nonprocess	--	2	0	*	2	*	0	--	1
	Facility HVAC (g)	--	1	0	*	2	0	0	--	1
	Facility Lighting	--	1	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	*	*	0	0	--	1
	Onsite Transportation	--	*	--	*	0	*	--	--	1
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1
	End Use Not Reported	*	0	0	0	0	0	0	*	1
327310	Cements									
	RSE Column Factors:	0.9	1	0.7	1.3	1.5	1.1	0.8	NF	
	TOTAL FUEL CONSUMPTION	410	43	1	6	21	*	236	103	2.1
	Indirect Uses-Boiler Fuel	--	*	0	W	W	*	W	--	1.1
	Conventional Boiler Use	--	0	0	W	*	*	W	--	1.1
	CHP and/or Cogeneration Process	--	*	0	0	W	0	0	--	0.9
	Direct Uses-Total Process	--	39	1	W	W	*	W	--	1.5
	Process Heating	--	3	1	W	W	*	W	--	1.5
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	1.1
	Machine Drive	--	35	0	*	*	*	0	--	1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	0	*	*	0	--	0.9
	Direct Uses-Total Nonprocess	--	3	0	W	1	*	*	--	2
	Facility HVAC (g)	--	1	0	*	1	*	*	--	2.2
	Facility Lighting	--	1	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	*	*	*	0	--	0.9
	Onsite Transportation	--	*	--	W	0	*	--	--	1.6
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1
	Other Nonprocess Use	--	0	0	*	0	0	0	--	0.9
	End Use Not Reported	104	1	0	*	*	*	*	103	1.4
327410	Lime									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	106	5	1	1	8	*	66	27	1
	Indirect Uses-Boiler Fuel	--	0	0	0	0	0	0	--	1
	Conventional Boiler Use	--	0	0	0	0	0	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Process	--	4	W	W	8	*	66	--	1
	Process Heating	--	1	W	W	7	*	66	--	1
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	1
	Machine Drive	--	3	0	*	*	*	0	--	1
	Electro-Chemical Processes	--	0	--	--	--	--	--	--	1
	Other Process Use	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Nonprocess	--	*	W	W	*	*	0	--	1
	Facility HVAC (g)	--	*	W	*	*	*	0	--	1
	Facility Lighting	--	*	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	0	*	*	0	--	1
	Onsite Transportation	--	0	--	W	0	*	--	--	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1
	Other Nonprocess Use	--	0	0	W	*	*	0	--	1
	End Use Not Reported	W	0	W	W	0	*	0	27	1
327993	Mineral Wool									
	RSE Column Factors:	0.9	1.4	0.9	0.6	1.2	1.2	0.9	NF	
	TOTAL FUEL CONSUMPTION	51	13	0	*	35	*	0	3	1.2
	Indirect Uses-Boiler Fuel	--	0	0	0	1	0	0	--	1
	Conventional Boiler Use	--	0	0	0	1	0	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1.2
	Direct Uses-Total Process	--	12	0	*	32	*	0	--	1.1
	Process Heating	--	5	0	*	32	*	0	--	1.2
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	0.9
	Machine Drive	--	6	0	*	*	*	0	--	1.6
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	0	*	0	0	--	0.9
	Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--	1.6
	Facility HVAC (g)	--	*	0	*	2	*	0	--	1.6
	Facility Lighting	--	1	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	*	*	0	0	--	1.7
	Onsite Transportation	--	*	--	*	0	*	--	--	1.1
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1.1
	Other Nonprocess Use	--	0	0	0	0	*	0	--	1
	End Use Not Reported	3	*	0	*	*	*	0	3	7.5
331	PRIMARY METALS									
	RSE Column Factors:	0.4	1	1.6	1.3	1	1.4	0.8	NF	
	TOTAL FUEL CONSUMPTION	2,123	493	1	15	669	3	47	895	2.5
	Indirect Uses-Boiler Fuel	--	1	*	*	71	*	3	--	2.5
	Conventional Boiler Use	--	1	*	*	40	*	W	--	2.7
	CHP and/or Cogeneration Process	--	*	0	*	31	0	W	--	1.2
	Direct Uses-Total Process	--	453	*	9	540	1	37	--	3.5
	Process Heating	--	142	*	6	530	1	33	--	4.2
	Process Cooling and Refrigeration	--	4	0	0	1	0	0	--	2.4
	Machine Drive	--	149	*	W	W	*	0	--	3.7
	Electro-Chemical Processes	--	157	--	--	--	--	--	--	1
	Other Process Use	--	1	0	W	W	*	4	--	2.6
	Direct Uses-Total Nonprocess	--	37	*	W	53	1	W	--	1.8
	Facility HVAC (g)	--	18	*	*	45	*	*	--	3.2
	Facility Lighting	--	14	--	--	--	--	--	--	1.1
	Other Facility Support	--	3	0	*	5	*	0	--	3.7

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Onsite Transportation	--	*	--	W	*	1	--	--	2.2
	Conventional Electricity Generation	--	--	0	*	3	*	W	--	2
	Other Nonprocess Use	--	1	0	*	*	*	0	--	3.3
	End Use Not Reported	W	3	*	W	6	*	W	895	6.8
331111	Iron and Steel Mills									
	RSE Column Factors:	0.5	1.1	0.6	1.5	1	1.9	1.2	NF	
	TOTAL FUEL CONSUMPTION	1,455	184	1	10	388	*	36	836	3.3
	Indirect Uses-Boiler Fuel	--	1	*	*	39	*	W	--	1.3
	Conventional Boiler Use	--	*	*	*	23	*	W	--	1.4
	CHP and/or Cogeneration Process	--	*	0	*	16	0	W	--	1
	Direct Uses-Total Process	--	172	*	W	330	*	W	--	3.3
	Process Heating	--	79	*	W	329	*	33	--	1.9
	Process Cooling and Refrigeration	--	1	0	0	1	0	0	--	1.2
	Machine Drive	--	86	0	1	*	*	0	--	3.9
	Electro-Chemical Processes	--	5	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	0	1	--	2
	Direct Uses-Total Nonprocess	--	11	0	W	19	*	0	--	3.3
	Facility HVAC (g)	--	5	0	*	14	*	0	--	3.3
	Facility Lighting	--	5	--	--	--	--	--	--	1.2
	Other Facility Support	--	1	0	0	2	0	0	--	2.4
	Onsite Transportation	--	*	--	W	0	*	--	--	2.1
	Conventional Electricity Generation	--	--	0	0	2	0	0	--	1.2
	Other Nonprocess Use	--	0	0	*	0	0	0	--	5.5
	End Use Not Reported	W	Q	*	W	Q	*	0	836	2.2
331112	Electrometallurgical Ferroalloy Products									
	RSE Column Factors:	1	1.8	1	1.1	0.8	0.9	0.7	NF	
	TOTAL FUEL CONSUMPTION	24	12	0	*	7	*	2	2	3.4
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--	0.9
	Conventional Boiler Use	--	*	0	0	*	*	0	--	0.9
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Process	--	11	0	*	6	0	2	--	1.6
	Process Heating	--	6	0	0	6	0	0	--	2.3
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	0.8
	Machine Drive	--	1	0	*	0	0	0	--	2.2
	Electro-Chemical Processes	--	4	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	0	2	--	1
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--	0.9
	Facility HVAC (g)	--	1	0	*	1	*	0	--	0.9
	Facility Lighting	--	*	--	--	--	--	--	--	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Other Facility Support	--	*	0	0	*	0	0	--	0.9
	Onsite Transportation	--	0	--	*	0	*	--	--	1.1
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	0.8
	Other Nonprocess Use	--	*	0	0	0	0	0	--	0.8
	End Use Not Reported	2	0	0	*	*	0	0	2	4.1
3312	Steel Products from Purchased Steel									
	RSE Column Factors:	0.3	1.6	0.5	2	1.3	2.7	0.6	NF	
	TOTAL FUEL CONSUMPTION	41	16	*	*	24	*	0	1	10.9
	Indirect Uses-Boiler Fuel	--	*	*	*	W	*	0	--	3.9
	Conventional Boiler Use	--	*	*	*	W	*	0	--	3.9
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	3.5
	Direct Uses-Total Process	--	13	*	*	17	*	0	--	6.1
	Process Heating	--	W	*	*	W	*	0	--	7.9
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	8.6
	Machine Drive	--	8	0	*	W	*	0	--	7.2
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.1
	Other Process Use	--	*	0	*	0	0	0	--	10.6
	Direct Uses-Total Nonprocess	--	3	*	*	W	*	0	--	3.4
	Facility HVAC (g)	--	1	*	*	3	*	0	--	4.9
	Facility Lighting	--	1	--	--	--	--	--	--	1.4
	Other Facility Support	--	*	0	*	W	*	0	--	2.8
	Onsite Transportation	--	*	--	*	0	*	--	--	2.5
	Conventional Electricity Generation	--	--	0	0	0	*	0	--	3.2
	Other Nonprocess Use	--	*	0	*	0	0	0	--	3.4
	End Use Not Reported	W	*	0	*	W	*	0	1	29
3313	Alumina and Aluminum									
	RSE Column Factors:	0.4	1.8	0.4	1.6	1.6	2.2	0.5	NF	
	TOTAL FUEL CONSUMPTION	351	193	*	1	130	1	0	26	2.1
	Indirect Uses-Boiler Fuel	--	*	*	*	18	*	0	--	2.6
	Conventional Boiler Use	--	*	*	*	W	*	0	--	3.4
	CHP and/or Cogeneration Process	--	*	0	0	W	0	0	--	0.9
	Direct Uses-Total Process	--	185	0	*	104	*	0	--	1.9
	Process Heating	--	17	0	*	97	*	0	--	2.2
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	5.2
	Machine Drive	--	24	0	*	W	*	0	--	3.6
	Electro-Chemical Processes	--	143	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	W	0	0	--	4.2
	Direct Uses-Total Nonprocess	--	8	0	1	W	*	0	--	3.2
	Facility HVAC (g)	--	4	0	*	6	*	0	--	1.8

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Facility Lighting	--	3	--	--	--	--	--	--	1.3
	Other Facility Support	--	1	0	0	W	0	0	--	7
	Onsite Transportation	--	*	--	1	*	*	--	--	4.8
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1.1
	Other Nonprocess Use	--	*	0	0	0	0	0	--	1.1
	End Use Not Reported	W	Q	*	*	W	*	0	26	6.5
331312	Primary Aluminum									
	RSE Column Factors:	1	1.1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	208	W	*	*	20	*	0	W	1
	Indirect Uses-Boiler Fuel	--	0	*	*	1	0	0	--	1
	Conventional Boiler Use	--	0	*	*	1	0	0	--	1
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Process	--	162	0	*	17	*	0	--	1
	Process Heating	--	W	0	*	W	*	0	--	1
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--	1
	Machine Drive	--	W	0	*	0	*	0	--	1
	Electro-Chemical Processes	--	142	--	--	--	--	--	--	1
	Other Process Use	--	0	0	0	W	0	0	--	1
	Direct Uses-Total Nonprocess	--	W	0	*	1	*	0	--	1
	Facility HVAC (g)	--	W	0	0	1	*	0	--	1
	Facility Lighting	--	2	--	--	--	--	--	--	1
	Other Facility Support	--	*	0	0	*	0	0	--	1.6
	Onsite Transportation	--	0	--	*	*	*	--	--	1
	Conventional Electricity Generation	--	--	0	0	0	0	0	--	1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1
	End Use Not Reported	W	0	0	0	0	0	0	W	1
3314	Nonferrous Metals, except Aluminum									
	RSE Column Factors:	0.4	2.1	0.9	1.4	1.4	1.5	0.4	NF	
	TOTAL FUEL CONSUMPTION	95	34	*	2	44	1	8	6	4.3
	Indirect Uses-Boiler Fuel	--	*	*	*	W	*	W	--	2.8
	Conventional Boiler Use	--	*	*	*	W	*	W	--	3
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--	1.3
	Direct Uses-Total Process	--	29	0	W	30	*	*	--	2
	Process Heating	--	12	0	*	30	*	*	--	3.4
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	2.4
	Machine Drive	--	12	0	W	*	*	0	--	2.2
	Electro-Chemical Processes	--	4	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	*	0	--	2.8
	Direct Uses-Total Nonprocess	--	4	*	W	W	*	W	--	3.3

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Facility HVAC (g)	--	2	*	*	4	*	0	--	3.6
	Facility Lighting	--	2	--	--	--	--	--	--	1.3
	Other Facility Support	--	*	0	0	W	*	0	--	2.7
	Onsite Transportation	--	*	--	W	*	*	--	--	3.8
	Conventional Electricity Generation	--	--	0	*	*	0	W	--	3.3
	Other Nonprocess Use	--	*	0	*	0	0	0	--	3.7
	End Use Not Reported	W	*	*	W	W	*	0	6	7
3315	Foundries									
	RSE Column Factors:	0.5	1.3	0.7	1.6	1.2	1.5	0.7	NF	
	TOTAL FUEL CONSUMPTION	157	54	*	1	77	1	1	23	2.1
	Indirect Uses-Boiler Fuel	--	*	*	*	3	*	*	--	1.9
	Conventional Boiler Use	--	*	*	*	3	*	0	--	1.8
	CHP and/or Cogeneration Process	--	0	0	0	*	0	*	--	2.3
	Direct Uses-Total Process	--	44	*	*	54	*	*	--	2.2
	Process Heating	--	24	0	*	52	*	*	--	2.5
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--	3.6
	Machine Drive	--	18	*	*	W	*	0	--	3.8
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	W	*	*	--	3.1
	Direct Uses-Total Nonprocess	--	9	0	1	18	*	*	--	2.6
	Facility HVAC (g)	--	5	0	*	16	*	*	--	5
	Facility Lighting	--	3	--	--	--	--	--	--	1.1
	Other Facility Support	--	1	0	*	1	*	0	--	1.9
	Onsite Transportation	--	*	--	1	*	*	--	--	2
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	1.1
	Other Nonprocess Use	--	*	0	*	*	*	0	--	2.5
	End Use Not Reported	26	1	0	*	2	*	*	23	9
331511	Iron Foundries									
	RSE Column Factors:	0.6	1.2	0.7	1.1	0.9	2.1	0.9	NF	
	TOTAL FUEL CONSUMPTION	81	28	0	1	27	*	1	23	2.7
	Indirect Uses-Boiler Fuel	--	*	0	0	1	*	*	--	1.1
	Conventional Boiler Use	--	*	0	0	1	*	0	--	0.9
	CHP and/or Cogeneration Process	--	0	0	0	0	0	*	--	2
	Direct Uses-Total Process	--	23	0	*	18	*	*	--	2.4
	Process Heating	--	14	0	*	16	*	*	--	2.7
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--	3.3
	Machine Drive	--	8	0	*	W	*	0	--	2.9
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	0	W	*	*	--	1.4

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Direct Uses-Total Nonprocess	--	4	0	*	9	*	*	--	3.3
	Facility HVAC (g)	--	2	0	*	8	*	*	--	6
	Facility Lighting	--	2	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	*	1	*	0	--	2.4
	Onsite Transportation	--	*	--	*	*	*	--	--	2
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	2
	Other Nonprocess Use	--	*	0	*	*	0	0	--	1.1
	End Use Not Reported	24	*	0	*	*	*	0	23	12.2
331521	Aluminum Die-Casting Foundries									
	RSE Column Factors:	0.7	1.5	0.7	0.9	1.4	1.5	0.8	NF	
	TOTAL FUEL CONSUMPTION	23	6	*	*	16	*	0	*	2.4
	Indirect Uses-Boiler Fuel	--	0	*	0	1	*	0	--	1.2
	Conventional Boiler Use	--	0	*	0	1	*	0	--	1.2
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1.5
	Direct Uses-Total Process	--	4	0	*	10	*	0	--	3.7
	Process Heating	--	1	0	*	10	*	0	--	1.7
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	1.7
	Machine Drive	--	3	0	0	*	*	0	--	4.6
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	*	0	*	*	0	0	--	1
	Direct Uses-Total Nonprocess	--	2	0	*	4	*	0	--	2.2
	Facility HVAC (g)	--	1	0	0	3	*	0	--	2.2
	Facility Lighting	--	1	--	--	--	--	--	--	1.2
	Other Facility Support	--	*	0	0	*	0	0	--	3.2
	Onsite Transportation	--	*	--	*	*	*	--	--	1.7
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	0.9
	Other Nonprocess Use	--	*	0	0	*	0	0	--	0.9
	End Use Not Reported	1	*	0	*	1	*	0	*	4.6
331524	Aluminum Foundries, except Die-Casting									
	RSE Column Factors:	0.8	1.3	0.8	1	1.2	1.1	0.8	NF	
	TOTAL FUEL CONSUMPTION	19	5	*	*	14	*	0	*	3.4
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--	0.9
	Conventional Boiler Use	--	*	0	0	*	*	0	--	0.9
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1.3
	Direct Uses-Total Process	--	3	*	*	11	*	0	--	2.7
	Process Heating	--	1	0	*	11	*	0	--	3.4
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--	0.9
	Machine Drive	--	2	*	*	*	*	0	--	1.3
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Other Process Use	--	*	0	0	*	0	0	--	0.9
	Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--	2.3
	Facility HVAC (g)	--	1	0	*	2	*	0	--	1.8
	Facility Lighting	--	*	--	--	--	--	--	--	1.3
	Other Facility Support	--	*	0	0	1	*	0	--	1.1
	Onsite Transportation	--	*	--	*	0	*	--	--	1.4
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	1
	Other Nonprocess Use	--	0	0	0	0	0	0	--	1.3
	End Use Not Reported	*	*	0	*	*	*	0	*	21.7
332	FABRICATED METAL PRODUCTS									
	RSE Column Factors:	0.2	2.4	0.8	3.1	1.4	1.9	0.3	NF	
	TOTAL FUEL CONSUMPTION	387	161	Q	6	209	3	1	Q	15.9
	Indirect Uses-Boiler Fuel	--	*	*	*	W	*	0	--	12.5
	Conventional Boiler Use	--	*	*	*	W	*	0	--	12.8
	CHP and/or Cogeneration Process	--	*	0	*	W	0	0	--	1.1
	Direct Uses-Total Process	--	115	W	W	132	W	W	--	9
	Process Heating	--	37	W	W	130	W	*	--	13.7
	Process Cooling and Refrigeration	--	6	0	*	*	0	0	--	9.1
	Machine Drive	--	71	0	*	2	*	0	--	9.8
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.6
	Other Process Use	--	*	0	*	*	*	W	--	6.8
	Direct Uses-Total Nonprocess	--	35	W	W	45	W	W	--	6.1
	Facility HVAC (g)	--	16	W	1	43	W	W	--	6.5
	Facility Lighting	--	15	--	--	--	--	--	--	1.4
	Other Facility Support	--	3	0	*	1	*	0	--	7.4
	Onsite Transportation	--	*	--	W	*	2	--	--	4.6
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	3.1
	Other Nonprocess Use	--	*	0	*	Q	*	0	--	7.9
	End Use Not Reported	35	11	*	W	W	W	0	Q	21.5
333	MACHINERY									
	RSE Column Factors:	0.2	2	0.4	3.6	1.7	2.7	0.4	NF	
	TOTAL FUEL CONSUMPTION	175	84	*	2	82	2	1	4	10.3
	Indirect Uses-Boiler Fuel	--	*	*	*	14	*	1	--	6.7
	Conventional Boiler Use	--	*	*	*	13	*	*	--	10.3
	CHP and/or Cogeneration Process	--	0	0	*	1	0	1	--	3.7
	Direct Uses-Total Process	--	51	0	W	32	W	0	--	6.2
	Process Heating	--	6	0	*	30	W	0	--	8.8
	Process Cooling and Refrigeration	--	3	0	0	*	0	0	--	5.7
	Machine Drive	--	41	0	*	2	*	0	--	7.4

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.6
	Other Process Use	--	*	0	W	*	*	0	--	11.2
	Direct Uses-Total Nonprocess	--	29	*	W	31	W	0	--	5
	Facility HVAC (g)	--	15	*	*	30	W	0	--	6.3
	Facility Lighting	--	11	--	--	--	--	--	--	1.3
	Other Facility Support	--	2	0	*	1	*	0	--	6.8
	Onsite Transportation	--	*	--	W	*	W	--	--	5.7
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	3.1
	Other Nonprocess Use	--	*	0	*	*	*	0	--	10.9
	End Use Not Reported	W	3	*	*	4	W	0	4	13.7
334	COMPUTER AND ELECTRONIC PRODUCTS									
	RSE Column Factors:	0.2	2.1	0.6	1.9	1.3	1.2	1.2	NF	
	TOTAL FUEL CONSUMPTION	200	131	1	1	65	*	*	2	17.7
	Indirect Uses-Boiler Fuel	--	*	1	1	27	*	*	--	12.8
	Conventional Boiler Use	--	*	1	1	27	*	0	--	11.5
	CHP and/or Cogeneration Process	--	0	0	0	*	0	*	--	4.3
	Direct Uses-Total Process	--	62	*	*	10	*	0	--	5.9
	Process Heating	--	15	*	0	9	*	0	--	7.1
	Process Cooling and Refrigeration	--	12	0	0	*	*	0	--	7.3
	Machine Drive	--	30	0	*	*	*	0	--	3
	Electro-Chemical Processes	--	2	--	--	--	--	--	--	1.5
	Other Process Use	--	4	0	*	1	0	0	--	4.1
	Direct Uses-Total Nonprocess	--	63	*	*	23	*	0	--	11.6
	Facility HVAC (g)	--	37	*	*	20	*	0	--	7.6
	Facility Lighting	--	17	--	--	--	--	--	--	1.5
	Other Facility Support	--	9	*	*	1	*	0	--	10.3
	Onsite Transportation	--	*	--	*	*	*	--	--	3.7
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	3.7
	Other Nonprocess Use	--	*	0	*	1	*	0	--	5.3
	End Use Not Reported	13	6	*	*	5	*	0	2	12.6
334413	Semiconductors and Related Devices									
	RSE Column Factors:	0.7	1.8	0.5	0.7	2.3	1.7	0.6	NF	
	TOTAL FUEL CONSUMPTION	66	44	*	*	21	*	0	Q	4
	Indirect Uses-Boiler Fuel	--	*	*	*	12	0	0	--	3.2
	Conventional Boiler Use	--	*	*	*	11	0	0	--	3.2
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--	0.8
	Direct Uses-Total Process	--	25	*	*	2	*	0	--	1.6
	Process Heating	--	4	*	0	1	*	0	--	1.8
	Process Cooling and Refrigeration	--	5	0	0	*	0	0	--	1.3

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Machine Drive	--	14	0	*	*	*	0	--	1.3
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.2
	Other Process Use	--	1	0	*	1	0	0	--	1.5
	Direct Uses-Total Nonprocess	--	18	0	*	6	*	0	--	2.9
	Facility HVAC (g)	--	13	0	*	6	*	0	--	1.1
	Facility Lighting	--	3	--	--	--	--	--	--	1.2
	Other Facility Support	--	2	0	*	*	*	0	--	2.9
	Onsite Transportation	--	*	--	*	0	*	--	--	2.8
	Conventional Electricity Generation	--	--	0	*	0	0	0	--	1.3
	Other Nonprocess Use	--	*	0	*	*	0	0	--	2.3
	End Use Not Reported	3	1	0	*	2	*	0	Q	4.8
335	ELEC. EQUIP., APPLIANCES, COMPONENTS									
	RSE Column Factors:	0.2	1.9	1.2	2.1	1.5	1.6	0.4	NF	
	TOTAL FUEL CONSUMPTION	103	47	*	1	53	1	*	1	6.3
	Indirect Uses-Boiler Fuel	--	*	*	*	6	*	*	--	2.9
	Conventional Boiler Use	--	*	*	*	6	*	*	--	2.9
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	4.1
	Direct Uses-Total Process	--	29	0	*	28	*	0	--	5.3
	Process Heating	--	9	0	*	27	*	0	--	8
	Process Cooling and Refrigeration	--	2	0	*	*	0	0	--	8.2
	Machine Drive	--	17	0	*	*	*	0	--	8.2
	Electro-Chemical Processes	--	1	--	--	--	--	--	--	1.5
	Other Process Use	--	*	0	*	*	*	0	--	12
	Direct Uses-Total Nonprocess	--	16	*	*	16	1	0	--	7.3
	Facility HVAC (g)	--	8	*	*	15	*	0	--	8.6
	Facility Lighting	--	6	--	--	--	--	--	--	1.3
	Other Facility Support	--	1	0	*	*	*	0	--	6.9
	Onsite Transportation	--	*	--	*	*	1	--	--	3.3
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	1.3
	Other Nonprocess Use	--	*	0	*	*	*	0	--	12
	End Use Not Reported	6	2	*	*	3	*	0	1	22.4
336	TRANSPORTATION EQUIPMENT									
	RSE Column Factors:	0.3	1.8	0.4	2.8	1.6	2.9	0.4	NF	
	TOTAL FUEL CONSUMPTION	424	172	6	3	203	4	8	28	5.4
	Indirect Uses-Boiler Fuel	--	*	W	1	51	*	7	--	5.4
	Conventional Boiler Use	--	*	W	1	48	*	7	--	5.4
	CHP and/or Cogeneration Process	--	0	W	*	3	0	*	--	4
	Direct Uses-Total Process	--	102	*	*	75	W	*	--	7.1
	Process Heating	--	16	*	*	63	W	*	--	5.9

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Process Cooling and Refrigeration	--	8	*	0	2	*	0	--	3
	Machine Drive	--	74	0	*	2	*	0	--	7.8
	Electro-Chemical Processes	--	2	--	--	--	--	--	--	1.5
	Other Process Use	--	2	0	*	Q	*	0	--	2
	Direct Uses-Total Nonprocess	--	65	W	2	67	W	*	--	4.2
	Facility HVAC (g)	--	33	W	*	62	Q	*	--	4.3
	Facility Lighting	--	25	--	--	--	--	--	--	1.3
	Other Facility Support	--	6	*	*	2	*	0	--	5
	Onsite Transportation	--	1	--	2	*	W	--	--	5.6
	Conventional Electricity Generation	--	--	0	*	2	*	0	--	3.5
	Other Nonprocess Use	--	*	0	*	Q	*	0	--	2.9
	End Use Not Reported	44	5	*	*	10	*	*	28	20.7
336112	Light Trucks and Utility Vehicles									
	RSE Column Factors:	1	1	1	1	1	1	1	NF	
	TOTAL FUEL CONSUMPTION	57	W	*	*	36	*	W	3	1
	Indirect Uses-Boiler Fuel	--	*	*	0	12	*	W	--	1
	Conventional Boiler Use	--	*	*	0	12	*	W	--	1
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	1
	Direct Uses-Total Process	--	10	0	0	14	*	0	--	1
	Process Heating	--	1	0	0	13	0	0	--	1
	Process Cooling and Refrigeration	--	1	0	0	1	0	0	--	1
	Machine Drive	--	8	0	0	*	*	0	--	1
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1
	Other Process Use	--	1	0	0	*	0	0	--	1
	Direct Uses-Total Nonprocess	--	W	*	*	10	*	0	--	1
	Facility HVAC (g)	--	W	*	0	10	*	0	--	1
	Facility Lighting	--	3	--	--	--	--	--	--	1
	Other Facility Support	--	1	0	*	*	*	0	--	1
	Onsite Transportation	--	*	--	*	*	*	--	--	1
	Conventional Electricity Generation	--	--	0	*	*	0	0	--	1
	Other Nonprocess Use	--	*	0	*	*	0	0	--	1
	End Use Not Reported	W	W	0	0	*	0	0	3	1
337	FURNITURE AND RELATED PRODUCTS									
	RSE Column Factors:	0.3	1.4	0.5	1	2.1	1.7	1.4	NF	
	TOTAL FUEL CONSUMPTION	63	24	*	1	25	1	1	11	8.7
	Indirect Uses-Boiler Fuel	--	*	0	*	1	*	1	--	6
	Conventional Boiler Use	--	*	0	*	1	*	1	--	6.9
	CHP and/or Cogeneration Process	--	*	0	0	*	0	*	--	3.6
	Direct Uses-Total Process	--	14	0	*	11	W	*	--	8.5

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
	Process Heating	--	1	0	*	11	W	*	--	7.3
	Process Cooling and Refrigeration	--	*	0	*	*	*	0	--	3.3
	Machine Drive	--	12	0	*	*	*	0	--	9.2
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.1
	Other Process Use	--	*	0	0	0	0	0	--	3.6
	Direct Uses-Total Nonprocess	--	8	0	*	12	W	*	--	8
	Facility HVAC (g)	--	W	0	*	12	*	*	--	10.3
	Facility Lighting	--	4	--	--	--	--	--	--	1.4
	Other Facility Support	--	W	0	*	*	*	0	--	3.9
	Onsite Transportation	--	*	--	*	*	W	--	--	5.2
	Conventional Electricity Generation	--	--	0	*	0	*	0	--	1.1
	Other Nonprocess Use	--	*	0	*	*	0	0	--	1.2
	End Use Not Reported	W	2	*	*	1	W	*	11	23.1
339	MISCELLANEOUS									
	RSE Column Factors:	0.3	2.4	0.3	2.7	2.1	1.7	0.5	NF	
	TOTAL FUEL CONSUMPTION	71	35	*	*	32	1	0	2	7.3
	Indirect Uses-Boiler Fuel	--	W	*	*	10	*	0	--	3.7
	Conventional Boiler Use	--	W	*	*	10	*	0	--	3.7
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--	3.7
	Direct Uses-Total Process	--	18	0	*	9	*	0	--	7.4
	Process Heating	--	3	0	0	8	*	0	--	7.3
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--	6.1
	Machine Drive	--	13	0	*	*	*	0	--	9.7
	Electro-Chemical Processes	--	*	--	--	--	--	--	--	1.6
	Other Process Use	--	*	0	0	*	*	0	--	3.5
	Direct Uses-Total Nonprocess	--	14	0	*	10	*	0	--	6.3
	Facility HVAC (g)	--	7	0	*	10	*	0	--	7.3
	Facility Lighting	--	5	--	--	--	--	--	--	1.3
	Other Facility Support	--	1	0	*	*	*	0	--	5.9
	Onsite Transportation	--	*	--	*	0	*	--	--	3.3
	Conventional Electricity Generation	--	--	0	*	*	*	0	--	1.8
	Other Nonprocess Use	--	*	0	*	*	*	0	--	7.7
	End Use Not Reported	W	W	*	*	3	*	0	2	14.2

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

(b) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

Table 5.2 End Uses of Fuel Consumption, 2002;
Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)	RSE Row Factors
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(c) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(d) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids '(NGL).'

(f) 'Other' includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power.

(g) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' 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 is not applicable.

S=Negative value.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, 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 Consumption Division, Form EIA-846, '2002 Manufacturing Energy Consumption Survey.'