

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
Total United States							
311 - 339	ALL MANUFACTURING INDUSTRIES						
	TOTAL FUEL CONSUMPTION	845,727	13	22	5,064	18	39
	Indirect Uses-Boiler Fuel	12,979	7	3	2,074	3	26
	Conventional Boiler Use	12,979	3	1	712	1	3
	CHP and/or Cogeneration Process	--	4	3	1,362	2	23
	Direct Uses-Total Process	675,152	4	9	2,549	7	13
	Process Heating	93,261	4	2	2,295	6	13
	Process Cooling and Refrigeration	60,966	*	*	24	*	0
	Machine Drive	426,121	*	5	116	1	*
	Electro-Chemical Processes	77,146	--	--	--	--	--
	Other Process Use	17,659	*	2	113	*	*
	Direct Uses-Total Nonprocess	140,402	1	9	358	7	*
	Facility HVAC (g)	69,090	*	1	297	1	*
	Facility Lighting	51,946	--	--	--	--	--
	Other Facility Support	14,925	*	*	35	1	*
	Onsite Transportation	1,442	--	7	1	5	--
	Conventional Electricity Generation	--	*	1	18	*	*
	Other Nonprocess Use	2,999	*	1	7	*	*
	End Use Not Reported	17,194	1	1	83	1	*
311	FOOD						
	TOTAL FUEL CONSUMPTION	80,993	2	4	563	1	8
	Indirect Uses-Boiler Fuel	2,712	2	*	325	*	7
	Conventional Boiler Use	2,712	1	*	160	*	1
	CHP and/or Cogeneration Process	--	1	*	165	*	6
	Direct Uses-Total Process	62,233	*	1	183	*	1
	Process Heating	3,484	*	Q	170	*	1
	Process Cooling and Refrigeration	21,821	0	*	2	*	0
	Machine Drive	36,373	*	*	4	*	*
	Electro-Chemical Processes	159	--	--	--	--	--
	Other Process Use	395	*	*	7	*	*
	Direct Uses-Total Nonprocess	14,679	*	2	49	1	*
	Facility HVAC (g)	6,192	*	*	32	*	*
	Facility Lighting	6,082	--	--	--	--	--
	Other Facility Support	1,766	*	*	15	*	*
	Onsite Transportation	215	--	1	*	*	--
	Conventional Electricity Generation	--	*	*	*	*	*
	Other Nonprocess Use	423	0	*	1	*	0
	End Use Not Reported	1,369	*	*	6	*	*
3112	Grain and Oilseed Milling						
	TOTAL FUEL CONSUMPTION	19,972	*	*	118	*	6
	Indirect Uses-Boiler Fuel	943	*	*	68	*	5

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Boiler Use	943	*	*	37	*	1
	CHP and/or Cogeneration Process	--	*	*	31	0	4
	Direct Uses-Total Process	16,642	*	*	45	*	*
	Process Heating	232	*	0	43	*	*
	Process Cooling and Refrigeration	2,070	0	0	*	0	0
	Machine Drive	14,297	*	*	1	*	*
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	34	0	*	1	0	*
	Direct Uses-Total Nonprocess	2,116	*	*	3	*	*
	Facility HVAC (g)	848	*	*	2	*	*
	Facility Lighting	1,022	--	--	--	--	--
	Other Facility Support	188	0	*	1	*	*
	Onsite Transportation	30	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	*
	Other Nonprocess Use	28	0	*	*	*	0
	End Use Not Reported	Q	0	*	1	*	*
311221	Wet Corn Milling						
	TOTAL FUEL CONSUMPTION	10,680	*	*	51	*	5
	Indirect Uses-Boiler Fuel	732	0	*	22	0	5
	Conventional Boiler Use	732	0	0	14	0	1
	CHP and/or Cogeneration Process	--	0	*	8	0	4
	Direct Uses-Total Process	9,100	*	*	29	*	*
	Process Heating	3	*	0	28	*	*
	Process Cooling and Refrigeration	1,539	0	0	0	0	0
	Machine Drive	7,554	*	*	*	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	4	0	*	0	0	0
	Direct Uses-Total Nonprocess	848	*	*	1	*	0
	Facility HVAC (g)	332	*	*	*	*	0
	Facility Lighting	462	--	--	--	--	--
	Other Facility Support	45	0	*	*	*	0
	Onsite Transportation	9	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	End Use Not Reported	0	0	0	0	*	0
31131	Sugar						
	TOTAL FUEL CONSUMPTION	2,537	*	*	15	*	2
	Indirect Uses-Boiler Fuel	307	*	*	12	*	2
	Conventional Boiler Use	307	*	0	3	*	*
	CHP and/or Cogeneration Process	--	*	*	9	*	2
	Direct Uses-Total Process	1,839	0	*	3	*	*
	Process Heating	26	0	0	3	0	*
	Process Cooling and Refrigeration	42	0	0	0	0	0
	Machine Drive	1,767	0	*	*	*	0
	Electro-Chemical Processes	2	--	--	--	--	--

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Process Use	2	0	*	0	0	0
	Direct Uses-Total Nonprocess	392	*	*	*	*	*
	Facility HVAC (g)	107	0	0	*	*	*
	Facility Lighting	139	--	--	--	--	--
	Other Facility Support	28	*	*	*	*	*
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	117	0	*	0	*	0
	End Use Not Reported	0	0	*	0	*	0
3114	Fruit and Vegetable Preserving and Specialty Foods						
	TOTAL FUEL CONSUMPTION	9,528	*	Q	97	*	*
	Indirect Uses-Boiler Fuel	196	*	*	65	*	*
	Conventional Boiler Use	196	*	*	33	*	*
	CHP and/or Cogeneration Process	--	*	*	31	*	*
	Direct Uses-Total Process	7,275	*	Q	22	*	0
	Process Heating	321	*	*	21	*	0
	Process Cooling and Refrigeration	3,637	0	*	*	*	0
	Machine Drive	3,271	0	*	*	*	0
	Electro-Chemical Processes	10	--	--	--	--	--
	Other Process Use	36	0	*	1	*	0
	Direct Uses-Total Nonprocess	1,912	*	*	9	*	0
	Facility HVAC (g)	738	*	*	7	*	0
	Facility Lighting	883	--	--	--	--	--
	Other Facility Support	207	0	*	1	*	0
	Onsite Transportation	56	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	27	0	*	*	*	0
	End Use Not Reported	146	0	*	1	*	0
3115	Dairy Products						
	TOTAL FUEL CONSUMPTION	9,602	*	*	65	*	*
	Indirect Uses-Boiler Fuel	199	*	*	40	*	*
	Conventional Boiler Use	199	*	*	17	*	*
	CHP and/or Cogeneration Process	--	*	*	23	*	0
	Direct Uses-Total Process	7,450	*	*	19	*	0
	Process Heating	401	*	*	16	*	0
	Process Cooling and Refrigeration	3,442	0	*	*	0	0
	Machine Drive	3,507	0	*	1	*	0
	Electro-Chemical Processes	26	--	--	--	--	--
	Other Process Use	75	*	*	1	*	0
	Direct Uses-Total Nonprocess	1,700	*	*	5	*	0
	Facility HVAC (g)	719	*	*	3	*	0
	Facility Lighting	715	--	--	--	--	--
	Other Facility Support	210	0	*	1	*	0
	Onsite Transportation	27	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Nonprocess Use	29	0	*	*	*	0
	End Use Not Reported	253	*	*	2	*	0
3116	Animal Slaughtering and Processing						
	TOTAL FUEL CONSUMPTION	20,155	1	1	122	*	*
	Indirect Uses-Boiler Fuel	633	1	*	78	*	0
	Conventional Boiler Use	633	*	*	43	*	0
	CHP and/or Cogeneration Process	--	*	*	34	*	0
	Direct Uses-Total Process	15,527	*	*	28	*	*
	Process Heating	990	*	*	24	*	*
	Process Cooling and Refrigeration	8,526	0	*	1	*	0
	Machine Drive	5,736	0	*	1	*	0
	Electro-Chemical Processes	83	--	--	--	--	--
	Other Process Use	192	0	*	1	*	0
	Direct Uses-Total Nonprocess	3,681	*	*	15	*	0
	Facility HVAC (g)	1,505	*	*	9	*	0
	Facility Lighting	1,654	--	--	--	--	--
	Other Facility Support	453	*	*	6	*	0
	Onsite Transportation	36	--	*	*	*	--
	Conventional Electricity Generation	--	*	*	*	0	0
	Other Nonprocess Use	33	0	*	*	*	0
	End Use Not Reported	313	*	*	1	*	0
312	BEVERAGE AND TOBACCO PRODUCTS						
	TOTAL FUEL CONSUMPTION	8,694	*	*	37	*	*
	Indirect Uses-Boiler Fuel	166	*	*	24	*	*
	Conventional Boiler Use	166	*	*	9	*	*
	CHP and/or Cogeneration Process	--	*	*	15	*	*
	Direct Uses-Total Process	5,918	*	*	9	*	*
	Process Heating	483	*	*	8	*	*
	Process Cooling and Refrigeration	2,296	0	0	*	*	0
	Machine Drive	2,980	0	*	*	*	*
	Electro-Chemical Processes	24	--	--	--	--	--
	Other Process Use	135	0	*	*	0	*
	Direct Uses-Total Nonprocess	1,871	*	*	4	*	*
	Facility HVAC (g)	876	*	*	3	*	*
	Facility Lighting	719	--	--	--	--	--
	Other Facility Support	190	0	*	*	*	*
	Onsite Transportation	34	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	*
	Other Nonprocess Use	51	0	*	*	*	*
	End Use Not Reported	739	0	*	*	*	0
3121	Beverages						
	TOTAL FUEL CONSUMPTION	7,684	*	*	33	*	*

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Indirect Uses-Boiler Fuel	152	*	*	21	*	*
	Conventional Boiler Use	152	*	*	8	*	*
	CHP and/or Cogeneration Process	--	*	*	13	*	*
	Direct Uses-Total Process	5,267	*	*	9	*	*
	Process Heating	352	*	*	8	*	*
	Process Cooling and Refrigeration	2,166	0	0	*	*	0
	Machine Drive	2,597	0	*	*	*	*
	Electro-Chemical Processes	24	--	--	--	--	--
	Other Process Use	128	0	*	*	0	*
	Direct Uses-Total Nonprocess	1,525	*	*	4	*	*
	Facility HVAC (g)	676	*	*	3	*	*
	Facility Lighting	630	--	--	--	--	--
	Other Facility Support	136	0	*	*	*	*
	Onsite Transportation	33	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	*
	Other Nonprocess Use	51	0	*	*	*	*
	End Use Not Reported	739	0	*	*	*	0
3122	Tobacco						
	TOTAL FUEL CONSUMPTION	1,011	*	*	4	*	*
	Indirect Uses-Boiler Fuel	14	*	*	3	*	*
	Conventional Boiler Use	14	*	*	1	*	*
	CHP and/or Cogeneration Process	--	0	*	2	*	*
	Direct Uses-Total Process	651	*	*	*	*	0
	Process Heating	131	*	*	*	*	0
	Process Cooling and Refrigeration	131	0	0	*	0	0
	Machine Drive	382	0	0	*	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	7	0	0	*	0	0
	Direct Uses-Total Nonprocess	346	*	*	*	*	0
	Facility HVAC (g)	200	*	*	*	*	0
	Facility Lighting	89	--	--	--	--	--
	Other Facility Support	55	0	0	*	0	0
	Onsite Transportation	2	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	0	0	0	0	0	0
313	TEXTILE MILLS						
	TOTAL FUEL CONSUMPTION	13,333	*	*	31	*	*
	Indirect Uses-Boiler Fuel	177	*	*	17	*	*
	Conventional Boiler Use	177	*	*	8	*	*
	CHP and/or Cogeneration Process	--	*	*	9	*	*
	Direct Uses-Total Process	9,899	*	*	11	*	*
	Process Heating	995	*	*	10	*	*
	Process Cooling and Refrigeration	1,133	0	*	0	0	0
	Machine Drive	7,224	*	*	*	*	*

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	Q	*	*	*	*	0
	Direct Uses-Total Nonprocess	2,911	*	*	2	*	*
	Facility HVAC (g)	1,625	*	*	2	*	*
	Facility Lighting	1,044	--	--	--	--	--
	Other Facility Support	203	0	*	*	*	0
	Onsite Transportation	Q	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	347	0	0	1	*	0
314	TEXTILE PRODUCT MILLS						
	TOTAL FUEL CONSUMPTION	2,458	*	*	9	*	*
	Indirect Uses-Boiler Fuel	27	*	*	4	*	0
	Conventional Boiler Use	27	*	*	2	*	0
	CHP and/or Cogeneration Process	--	0	0	2	*	0
	Direct Uses-Total Process	1,567	0	*	3	*	*
	Process Heating	231	0	*	3	*	*
	Process Cooling and Refrigeration	144	0	0	0	0	0
	Machine Drive	1,147	0	0	*	0	0
	Electro-Chemical Processes	23	--	--	--	--	--
	Other Process Use	22	0	0	*	0	0
	Direct Uses-Total Nonprocess	841	0	*	1	*	*
	Facility HVAC (g)	402	0	*	1	*	*
	Facility Lighting	361	--	--	--	--	--
	Other Facility Support	72	0	0	*	0	0
	Onsite Transportation	Q	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	Q	0	0	0	*	0
	End Use Not Reported	Q	0	0	*	*	0
315	APPAREL						
	TOTAL FUEL CONSUMPTION	1,069	0	*	2	*	0
	Indirect Uses-Boiler Fuel	Q	0	*	1	*	0
	Conventional Boiler Use	Q	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	*	*	0
	Direct Uses-Total Process	473	0	0	1	*	0
	Process Heating	Q	0	0	1	*	0
	Process Cooling and Refrigeration	Q	0	0	0	0	0
	Machine Drive	352	0	0	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	15	0	0	0	0	0
	Direct Uses-Total Nonprocess	513	0	*	1	*	0
	Facility HVAC (g)	282	0	*	1	*	0
	Facility Lighting	179	--	--	--	--	--
	Other Facility Support	52	0	*	*	0	0
	Onsite Transportation	*	--	*	0	*	--

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Electricity Generation	--	0	0	*	0	0
	Other Nonprocess Use	*	0	0	0	0	0
	End Use Not Reported	Q	0	0	*	*	0
316	LEATHER AND ALLIED PRODUCTS						
	TOTAL FUEL CONSUMPTION	243	*	*	1	*	0
	Indirect Uses-Boiler Fuel	1	0	*	*	*	0
	Conventional Boiler Use	1	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	*	*	*	0
	Direct Uses-Total Process	148	0	0	*	*	0
	Process Heating	13	0	0	*	*	0
	Process Cooling and Refrigeration	5	0	0	*	0	0
	Machine Drive	125	0	0	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	5	0	0	*	*	0
	Direct Uses-Total Nonprocess	91	0	*	*	*	0
	Facility HVAC (g)	53	0	*	*	*	0
	Facility Lighting	32	--	--	--	--	--
	Other Facility Support	5	0	*	*	0	0
	Onsite Transportation	1	--	0	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	3	*	0	*	*	0
321	WOOD PRODUCTS						
	TOTAL FUEL CONSUMPTION	16,713	*	4	33	1	*
	Indirect Uses-Boiler Fuel	422	*	*	8	*	*
	Conventional Boiler Use	422	*	*	2	*	*
	CHP and/or Cogeneration Process	--	*	*	6	*	*
	Direct Uses-Total Process	13,331	*	Q	22	*	*
	Process Heating	1,006	*	*	21	*	*
	Process Cooling and Refrigeration	206	0	0	*	*	0
	Machine Drive	11,948	0	Q	1	*	0
	Electro-Chemical Processes	77	--	--	--	--	--
	Other Process Use	94	*	*	*	*	0
	Direct Uses-Total Nonprocess	2,662	*	1	4	*	*
	Facility HVAC (g)	975	*	*	4	*	*
	Facility Lighting	1,247	--	--	--	--	--
	Other Facility Support	285	*	*	*	*	0
	Onsite Transportation	16	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	139	0	*	*	*	0
	End Use Not Reported	298	*	*	*	*	0
321113	Sawmills						

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	5,441	*	Q	5	*	0
	Indirect Uses-Boiler Fuel	173	*	*	1	*	0
	Conventional Boiler Use	173	0	*	*	*	0
	CHP and/or Cogeneration Process	--	*	*	1	*	0
	Direct Uses-Total Process	4,514	*	Q	4	*	0
	Process Heating	359	*	*	4	*	0
	Process Cooling and Refrigeration	66	0	0	*	*	0
	Machine Drive	4,086	0	Q	*	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	2	*	*	*	*	0
	Direct Uses-Total Nonprocess	702	*	*	*	*	0
	Facility HVAC (g)	228	*	*	*	*	0
	Facility Lighting	365	--	--	--	--	--
	Other Facility Support	77	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	31	0	*	0	*	0
	End Use Not Reported	52	*	*	*	*	0
3212	Veneer, Plywood, and Engineered Woods						
	TOTAL FUEL CONSUMPTION	6,426	*	*	18	*	*
	Indirect Uses-Boiler Fuel	147	*	*	3	*	*
	Conventional Boiler Use	147	*	*	1	*	*
	CHP and/or Cogeneration Process	--	0	*	3	*	*
	Direct Uses-Total Process	5,229	*	*	14	*	*
	Process Heating	335	*	*	13	*	*
	Process Cooling and Refrigeration	103	0	0	*	0	0
	Machine Drive	4,697	0	*	1	*	0
	Electro-Chemical Processes	64	--	--	--	--	--
	Other Process Use	29	0	*	*	0	0
	Direct Uses-Total Nonprocess	876	0	*	1	*	*
	Facility HVAC (g)	357	0	*	1	*	*
	Facility Lighting	391	--	--	--	--	--
	Other Facility Support	95	0	*	*	*	0
	Onsite Transportation	7	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	26	0	*	*	*	0
	End Use Not Reported	174	0	*	*	*	0
321219	Reconstituted Wood Products						
	TOTAL FUEL CONSUMPTION	4,104	*	*	14	*	*
	Indirect Uses-Boiler Fuel	87	*	*	3	*	*
	Conventional Boiler Use	87	*	*	*	*	*
	CHP and/or Cogeneration Process	--	0	*	2	0	*
	Direct Uses-Total Process	3,373	*	*	11	*	*
	Process Heating	229	*	*	10	*	*
	Process Cooling and Refrigeration	79	0	0	*	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Machine Drive	2,993	0	*	*	*	0
	Electro-Chemical Processes	61	--	--	--	--	--
	Other Process Use	10	0	*	*	0	0
	Direct Uses-Total Nonprocess	516	0	*	1	*	0
	Facility HVAC (g)	216	0	*	1	*	0
	Facility Lighting	220	--	--	--	--	--
	Other Facility Support	52	0	0	*	*	0
	Onsite Transportation	5	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	22	0	*	0	*	0
	End Use Not Reported	127	0	0	*	*	0
3219	Other Wood Products						
	TOTAL FUEL CONSUMPTION	4,447	*	1	7	*	*
	Indirect Uses-Boiler Fuel	92	0	*	2	*	0
	Conventional Boiler Use	92	0	*	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	*	0
	Direct Uses-Total Process	3,268	0	*	3	*	*
	Process Heating	264	0	*	3	*	*
	Process Cooling and Refrigeration	34	0	0	0	0	0
	Machine Drive	2,895	0	*	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	62	0	*	*	0	0
	Direct Uses-Total Nonprocess	1,016	*	1	2	*	0
	Facility HVAC (g)	360	*	*	2	*	0
	Facility Lighting	460	--	--	--	--	--
	Other Facility Support	106	0	*	*	*	0
	Onsite Transportation	9	--	1	0	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	81	0	*	*	*	0
	End Use Not Reported	71	*	*	*	*	0
322	PAPER						
	TOTAL FUEL CONSUMPTION	103,528	6	1	387	1	9
	Indirect Uses-Boiler Fuel	4,693	4	*	234	*	9
	Conventional Boiler Use	4,693	1	*	49	*	*
	CHP and/or Cogeneration Process	--	3	*	184	*	9
	Direct Uses-Total Process	84,903	2	*	129	*	*
	Process Heating	2,643	2	*	117	*	*
	Process Cooling and Refrigeration	1,503	0	0	*	0	0
	Machine Drive	77,182	*	*	10	*	*
	Electro-Chemical Processes	677	--	--	--	--	--
	Other Process Use	2,898	0	*	2	*	*
	Direct Uses-Total Nonprocess	8,811	*	*	17	1	*
	Facility HVAC (g)	4,035	*	*	14	*	*
	Facility Lighting	3,765	--	--	--	--	--
	Other Facility Support	769	0	*	1	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Onsite Transportation	144	--	*	*	1	--
	Conventional Electricity Generation	--	*	*	2	0	*
	Other Nonprocess Use	99	*	*	*	*	0
	End Use Not Reported	5,121	*	*	8	*	0
322110	Pulp Mills						
	TOTAL FUEL CONSUMPTION	6,979	1	*	19	*	*
	Indirect Uses-Boiler Fuel	1,115	1	*	10	*	*
	Conventional Boiler Use	1,115	0	0	1	0	0
	CHP and/or Cogeneration Process	--	1	*	9	*	*
	Direct Uses-Total Process	5,299	*	*	8	*	0
	Process Heating	520	*	*	8	*	0
	Process Cooling and Refrigeration	123	0	0	0	0	0
	Machine Drive	4,617	0	*	*	0	0
	Electro-Chemical Processes	39	--	--	--	--	--
	Other Process Use	0	0	0	*	0	0
	Direct Uses-Total Nonprocess	565	0	*	*	*	0
	Facility HVAC (g)	244	0	0	*	*	0
	Facility Lighting	228	--	--	--	--	--
	Other Facility Support	92	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	0	0	0	0	*	0
322121	Paper Mills, except Newsprint						
	TOTAL FUEL CONSUMPTION	38,793	2	*	167	*	5
	Indirect Uses-Boiler Fuel	2,208	1	*	101	*	5
	Conventional Boiler Use	2,208	1	*	24	*	*
	CHP and/or Cogeneration Process	--	1	*	77	*	5
	Direct Uses-Total Process	30,373	1	*	58	*	*
	Process Heating	1,067	1	*	53	*	*
	Process Cooling and Refrigeration	526	0	0	0	0	0
	Machine Drive	28,505	*	*	5	*	*
	Electro-Chemical Processes	126	--	--	--	--	--
	Other Process Use	149	0	*	1	0	*
	Direct Uses-Total Nonprocess	2,897	*	*	3	*	*
	Facility HVAC (g)	1,445	*	*	3	*	*
	Facility Lighting	1,094	--	--	--	--	--
	Other Facility Support	281	0	*	*	*	0
	Onsite Transportation	64	--	*	0	*	--
	Conventional Electricity Generation	--	*	*	*	0	0
	Other Nonprocess Use	13	0	*	*	*	0
	End Use Not Reported	3,314	*	*	5	*	0
322122	Newsprint Mills						

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	11,980	*	*	3	*	1
	Indirect Uses-Boiler Fuel	45	*	*	1	0	1
	Conventional Boiler Use	45	*	*	1	0	*
	CHP and/or Cogeneration Process	--	*	*	*	0	1
	Direct Uses-Total Process	11,380	0	*	2	*	0
	Process Heating	21	0	0	2	*	0
	Process Cooling and Refrigeration	44	0	0	0	0	0
	Machine Drive	8,957	0	*	0	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	2,358	0	0	0	0	0
	Direct Uses-Total Nonprocess	555	0	*	*	*	0
	Facility HVAC (g)	315	0	0	*	*	0
	Facility Lighting	180	--	--	--	--	--
	Other Facility Support	31	0	0	0	0	0
	Onsite Transportation	9	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	21	0	*	0	*	0
	End Use Not Reported	*	0	0	0	*	0
322130	Paperboard Mills						
	TOTAL FUEL CONSUMPTION	33,761	2	*	138	*	3
	Indirect Uses-Boiler Fuel	1,110	1	*	94	*	3
	Conventional Boiler Use	1,110	*	*	15	*	*
	CHP and/or Cogeneration Process	--	1	*	79	*	3
	Direct Uses-Total Process	29,586	1	*	38	*	0
	Process Heating	364	1	*	33	*	0
	Process Cooling and Refrigeration	367	0	0	0	0	0
	Machine Drive	28,003	0	*	4	*	0
	Electro-Chemical Processes	480	--	--	--	--	--
	Other Process Use	372	0	0	1	0	0
	Direct Uses-Total Nonprocess	1,969	*	*	4	*	*
	Facility HVAC (g)	780	*	*	2	*	*
	Facility Lighting	1,004	--	--	--	--	--
	Other Facility Support	115	0	*	*	*	0
	Onsite Transportation	4	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	2	0	*
	Other Nonprocess Use	65	*	*	0	*	0
	End Use Not Reported	1,097	*	*	2	*	0
323	PRINTING AND RELATED SUPPORT						
	TOTAL FUEL CONSUMPTION	13,704	*	*	33	*	0
	Indirect Uses-Boiler Fuel	191	0	*	7	*	0
	Conventional Boiler Use	191	0	0	3	*	0
	CHP and/or Cogeneration Process	--	0	*	4	*	0
	Direct Uses-Total Process	7,837	0	*	15	*	0
	Process Heating	557	0	*	12	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Cooling and Refrigeration	682	0	0	Q	0	0
	Machine Drive	6,344	0	0	1	*	0
	Electro-Chemical Processes	75	--	--	--	--	--
	Other Process Use	179	0	0	*	*	0
	Direct Uses-Total Nonprocess	5,170	*	*	9	*	0
	Facility HVAC (g)	3,312	*	*	9	*	0
	Facility Lighting	1,271	--	--	--	--	--
	Other Facility Support	473	0	*	*	*	0
	Onsite Transportation	34	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	*	0	*	0
	End Use Not Reported	506	0	*	Q	*	0
324	PETROLEUM AND COAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	66,002	3	4	892	7	1
	Indirect Uses-Boiler Fuel	575	1	1	289	2	*
	Conventional Boiler Use	575	1	*	99	*	*
	CHP and/or Cogeneration Process	--	*	1	190	1	*
	Direct Uses-Total Process	59,608	2	2	551	5	*
	Process Heating	2,243	2	1	501	4	*
	Process Cooling and Refrigeration	3,018	0	*	6	*	0
	Machine Drive	53,062	0	*	16	*	0
	Electro-Chemical Processes	95	--	--	--	--	--
	Other Process Use	1,190	0	*	28	*	*
	Direct Uses-Total Nonprocess	5,009	*	1	19	*	*
	Facility HVAC (g)	2,399	*	*	3	*	*
	Facility Lighting	1,780	--	--	--	--	--
	Other Facility Support	629	0	*	1	*	0
	Onsite Transportation	8	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	14	*	0
	Other Nonprocess Use	193	*	*	*	*	0
	End Use Not Reported	810	*	*	33	*	0
324110	Petroleum Refineries						
	TOTAL FUEL CONSUMPTION	62,528	2	2	835	7	*
	Indirect Uses-Boiler Fuel	512	1	1	278	2	*
	Conventional Boiler Use	512	1	*	95	*	*
	CHP and/or Cogeneration Process	--	*	1	182	1	0
	Direct Uses-Total Process	56,802	1	*	509	4	0
	Process Heating	1,933	1	*	462	4	0
	Process Cooling and Refrigeration	2,912	0	*	6	*	0
	Machine Drive	50,763	0	*	14	*	0
	Electro-Chemical Processes	94	--	--	--	--	--
	Other Process Use	1,101	0	*	27	*	0
	Direct Uses-Total Nonprocess	4,533	0	*	17	*	0
	Facility HVAC (g)	2,196	0	*	2	*	0
	Facility Lighting	1,565	--	--	--	--	--

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Facility Support	577	0	*	*	*	0
	Onsite Transportation	5	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	14	*	0
	Other Nonprocess Use	190	0	*	*	0	0
	End Use Not Reported	681	*	*	32	*	0
324121	Asphalt Paving Mixture and Block						
	TOTAL FUEL CONSUMPTION	1,720	*	2	38	*	*
	Indirect Uses-Boiler Fuel	19	*	*	5	*	0
	Conventional Boiler Use	19	*	*	2	*	0
	CHP and/or Cogeneration Process	--	0	*	3	*	0
	Direct Uses-Total Process	1,408	*	1	32	*	*
	Process Heating	165	*	1	29	*	*
	Process Cooling and Refrigeration	4	0	*	*	0	0
	Machine Drive	1,209	0	*	2	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	29	0	*	*	*	0
	Direct Uses-Total Nonprocess	163	*	1	1	*	0
	Facility HVAC (g)	78	*	*	1	*	0
	Facility Lighting	65	--	--	--	--	--
	Other Facility Support	16	0	*	*	*	0
	Onsite Transportation	2	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	2	*	*	*	*	0
	End Use Not Reported	130	*	*	Q	*	0
324199	Other Petroleum and Coal Products						
	TOTAL FUEL CONSUMPTION	587	*	*	5	*	*
	Indirect Uses-Boiler Fuel	10	*	0	1	0	*
	Conventional Boiler Use	10	*	0	*	0	*
	CHP and/or Cogeneration Process	--	*	0	1	0	*
	Direct Uses-Total Process	486	0	*	4	*	*
	Process Heating	96	0	*	4	*	*
	Process Cooling and Refrigeration	41	0	0	0	0	0
	Machine Drive	348	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	0	*	*
	Direct Uses-Total Nonprocess	92	0	*	*	*	*
	Facility HVAC (g)	33	0	*	*	*	*
	Facility Lighting	49	--	--	--	--	--
	Other Facility Support	10	0	0	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	0	0	0	0	*	0
325	CHEMICALS						

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	186,995	1	1	1,734	2	9
	Indirect Uses-Boiler Fuel	1,947	1	*	971	*	8
	Conventional Boiler Use	1,947	*	*	294	*	1
	CHP and/or Cogeneration Process	--	*	*	678	*	7
	Direct Uses-Total Process	165,901	*	*	729	*	1
	Process Heating	6,429	*	*	607	*	1
	Process Cooling and Refrigeration	15,402	0	*	8	*	0
	Machine Drive	102,117	*	*	66	*	0
	Electro-Chemical Processes	40,723	--	--	--	--	--
	Other Process Use	1,230	0	*	48	*	0
	Direct Uses-Total Nonprocess	18,285	*	1	31	1	*
	Facility HVAC (g)	9,579	0	*	23	*	*
	Facility Lighting	6,118	--	--	--	--	--
	Other Facility Support	2,219	0	*	4	Q	0
	Onsite Transportation	96	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	1	*	0
	Other Nonprocess Use	272	*	*	2	*	0
	End Use Not Reported	862	*	*	3	*	0
325110	Petrochemicals						
	TOTAL FUEL CONSUMPTION	11,926	*	*	241	*	0
	Indirect Uses-Boiler Fuel	20	*	*	65	0	0
	Conventional Boiler Use	20	*	*	21	0	0
	CHP and/or Cogeneration Process	--	*	*	44	0	0
	Direct Uses-Total Process	11,503	0	*	175	*	0
	Process Heating	42	0	*	W	0	0
	Process Cooling and Refrigeration	2,365	0	0	3	*	0
	Machine Drive	8,548	0	*	W	0	0
	Electro-Chemical Processes	536	--	--	--	--	--
	Other Process Use	12	0	*	1	*	0
	Direct Uses-Total Nonprocess	394	0	*	1	*	0
	Facility HVAC (g)	192	0	0	*	0	0
	Facility Lighting	155	--	--	--	--	--
	Other Facility Support	46	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	1	0	0
	End Use Not Reported	9	0	*	*	*	0
325120	Industrial Gases						
	TOTAL FUEL CONSUMPTION	19,401	0	*	26	*	0
	Indirect Uses-Boiler Fuel	11	0	*	Q	0	0
	Conventional Boiler Use	11	0	*	2	0	0
	CHP and/or Cogeneration Process	--	0	*	Q	0	0
	Direct Uses-Total Process	18,711	0	*	11	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Heating	306	0	*	3	0	0
	Process Cooling and Refrigeration	307	0	*	*	0	0
	Machine Drive	12,166	0	*	0	*	0
	Electro-Chemical Processes	5,813	--	--	--	--	--
	Other Process Use	119	0	0	8	*	0
	Direct Uses-Total Nonprocess	513	0	*	*	*	0
	Facility HVAC (g)	352	0	*	*	0	0
	Facility Lighting	112	--	--	--	--	--
	Other Facility Support	49	0	*	0	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	166	0	*	0	*	0
325181	Alkalies and Chlorine						
	TOTAL FUEL CONSUMPTION	W	0	*	W	*	2
	Indirect Uses-Boiler Fuel	51	0	*	73	*	2
	Conventional Boiler Use	51	0	*	6	0	0
	CHP and/or Cogeneration Process	--	0	*	67	*	2
	Direct Uses-Total Process	19,305	0	*	W	*	*
	Process Heating	77	0	0	W	*	*
	Process Cooling and Refrigeration	408	0	0	0	0	0
	Machine Drive	3,154	0	*	W	0	0
	Electro-Chemical Processes	15,667	--	--	--	--	--
	Other Process Use	0	0	0	*	0	0
	Direct Uses-Total Nonprocess	W	0	*	*	*	0
	Facility HVAC (g)	223	0	*	*	*	0
	Facility Lighting	W	--	--	--	--	--
	Other Facility Support	72	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	End Use Not Reported	*	0	0	0	*	0
325182	Carbon Black						
	TOTAL FUEL CONSUMPTION	744	*	*	11	*	0
	Indirect Uses-Boiler Fuel	12	0	0	*	0	0
	Conventional Boiler Use	12	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	650	*	*	10	0	0
	Process Heating	19	0	0	8	0	0
	Process Cooling and Refrigeration	3	0	0	0	0	0
	Machine Drive	623	*	*	2	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	5	0	0	*	0	0
	Direct Uses-Total Nonprocess	82	0	*	*	*	0
	Facility HVAC (g)	43	0	0	*	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Facility Lighting	33	--	--	--	--	--
	Other Facility Support	7	0	0	*	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	*	0	0
	End Use Not Reported	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals						
	TOTAL FUEL CONSUMPTION	25,528	*	*	48	*	1
	Indirect Uses-Boiler Fuel	100	*	*	17	*	1
	Conventional Boiler Use	100	*	*	8	*	*
	CHP and/or Cogeneration Process	--	0	*	9	0	1
	Direct Uses-Total Process	24,579	*	*	29	*	*
	Process Heating	1,502	*	*	28	*	*
	Process Cooling and Refrigeration	428	0	*	*	0	0
	Machine Drive	17,702	0	*	*	0	0
	Electro-Chemical Processes	4,890	--	--	--	--	--
	Other Process Use	58	0	0	*	*	0
	Direct Uses-Total Nonprocess	814	0	*	2	*	0
	Facility HVAC (g)	415	0	*	1	*	0
	Facility Lighting	287	--	--	--	--	--
	Other Facility Support	88	0	*	*	*	0
	Onsite Transportation	7	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	16	0	*	*	*	0
	End Use Not Reported	Q	0	*	*	*	0
325192	Cyclic Crudes and Intermediates						
	TOTAL FUEL CONSUMPTION	2,673	*	*	22	*	0
	Indirect Uses-Boiler Fuel	31	*	*	13	*	0
	Conventional Boiler Use	31	*	*	9	*	0
	CHP and/or Cogeneration Process	--	*	*	4	0	0
	Direct Uses-Total Process	2,222	0	*	9	*	0
	Process Heating	154	0	*	9	*	0
	Process Cooling and Refrigeration	475	0	*	0	0	0
	Machine Drive	1,526	0	*	0	0	0
	Electro-Chemical Processes	67	--	--	--	--	--
	Other Process Use	0	0	0	0	0	0
	Direct Uses-Total Nonprocess	419	0	*	*	*	0
	Facility HVAC (g)	185	0	*	*	*	0
	Facility Lighting	132	--	--	--	--	--
	Other Facility Support	99	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	3	0	0	0	0	0
	End Use Not Reported	0	*	0	0	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
325193	Ethyl Alcohol						
	TOTAL FUEL CONSUMPTION	7,840	0	*	245	*	1
	Indirect Uses-Boiler Fuel	423	0	*	142	*	1
	Conventional Boiler Use	423	0	*	72	*	*
	CHP and/or Cogeneration Process	--	0	*	70	*	1
	Direct Uses-Total Process	6,747	0	*	98	*	*
	Process Heating	497	0	*	88	*	*
	Process Cooling and Refrigeration	656	0	0	*	0	0
	Machine Drive	5,519	0	*	*	*	0
	Electro-Chemical Processes	63	--	--	--	--	--
	Other Process Use	12	0	*	9	*	0
	Direct Uses-Total Nonprocess	558	0	*	3	*	0
	Facility HVAC (g)	207	0	*	2	*	0
	Facility Lighting	257	--	--	--	--	--
	Other Facility Support	90	0	0	1	*	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	113	0	*	3	*	0
325199	Other Basic Organic Chemicals						
	TOTAL FUEL CONSUMPTION	27,354	*	*	367	*	3
	Indirect Uses-Boiler Fuel	327	*	*	250	*	3
	Conventional Boiler Use	327	*	*	61	0	*
	CHP and/or Cogeneration Process	--	0	*	189	*	3
	Direct Uses-Total Process	24,785	0	*	112	*	0
	Process Heating	644	0	*	85	*	0
	Process Cooling and Refrigeration	3,646	0	*	4	*	0
	Machine Drive	15,566	0	*	5	*	0
	Electro-Chemical Processes	4,497	--	--	--	--	--
	Other Process Use	433	0	*	19	*	0
	Direct Uses-Total Nonprocess	2,225	0	*	5	*	0
	Facility HVAC (g)	981	0	*	3	*	0
	Facility Lighting	830	--	--	--	--	--
	Other Facility Support	326	0	*	1	*	0
	Onsite Transportation	14	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	1	0	0
	Other Nonprocess Use	74	0	*	*	*	0
	End Use Not Reported	Q	0	*	*	*	0
325211	Plastics Materials and Resins						
	TOTAL FUEL CONSUMPTION	33,460	*	*	298	*	1
	Indirect Uses-Boiler Fuel	425	*	*	226	*	1
	Conventional Boiler Use	425	*	*	39	*	*
	CHP and/or Cogeneration Process	--	0	*	187	*	*

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Direct Uses-Total Process	30,537	*	*	68	*	0
	Process Heating	890	*	*	59	*	0
	Process Cooling and Refrigeration	2,463	0	*	1	*	0
	Machine Drive	18,089	0	*	3	*	0
	Electro-Chemical Processes	9,048	--	--	--	--	--
	Other Process Use	47	0	*	5	*	0
	Direct Uses-Total Nonprocess	2,468	0	*	3	*	0
	Facility HVAC (g)	1,165	0	*	2	*	0
	Facility Lighting	887	--	--	--	--	--
	Other Facility Support	368	0	*	1	*	0
	Onsite Transportation	8	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	42	0	*	*	*	0
	End Use Not Reported	30	0	*	*	*	0
325212	Synthetic Rubber						
	TOTAL FUEL CONSUMPTION	1,930	0	*	21	*	*
	Indirect Uses-Boiler Fuel	16	0	*	19	0	*
	Conventional Boiler Use	16	0	*	5	0	*
	CHP and/or Cogeneration Process	--	0	*	13	0	*
	Direct Uses-Total Process	1,388	0	*	2	*	0
	Process Heating	98	0	0	W	0	0
	Process Cooling and Refrigeration	168	0	0	*	0	0
	Machine Drive	1,116	0	*	W	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	5	0	*	1	*	0
	Direct Uses-Total Nonprocess	237	0	*	*	*	0
	Facility HVAC (g)	128	0	0	*	*	0
	Facility Lighting	81	--	--	--	--	--
	Other Facility Support	23	0	0	*	*	0
	Onsite Transportation	2	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	4	0	*	*	*	0
	End Use Not Reported	287	0	*	0	*	0
325222	Noncellulosic Organic Fibers						
	TOTAL FUEL CONSUMPTION	2,810	*	*	9	*	*
	Indirect Uses-Boiler Fuel	74	*	*	6	*	*
	Conventional Boiler Use	74	*	*	4	0	*
	CHP and/or Cogeneration Process	--	*	*	2	*	*
	Direct Uses-Total Process	2,258	*	*	3	*	0
	Process Heating	395	*	0	W	*	0
	Process Cooling and Refrigeration	349	0	0	*	0	0
	Machine Drive	1,360	0	*	W	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	154	0	*	*	0	0
	Direct Uses-Total Nonprocess	478	0	*	*	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Facility HVAC (g)	250	0	0	*	*	0
	Facility Lighting	150	--	--	--	--	--
	Other Facility Support	71	0	0	*	*	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	3	0	*	*	*	0
	End Use Not Reported	0	0	0	0	*	0
325311	Nitrogenous Fertilizers						
	TOTAL FUEL CONSUMPTION	3,586	*	*	147	*	0
	Indirect Uses-Boiler Fuel	23	*	*	48	*	0
	Conventional Boiler Use	23	0	*	29	*	0
	CHP and/or Cogeneration Process	--	*	*	19	*	0
	Direct Uses-Total Process	3,338	0	*	99	*	0
	Process Heating	49	0	*	94	*	0
	Process Cooling and Refrigeration	632	0	0	0	0	0
	Machine Drive	2,650	0	*	3	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	6	0	0	3	*	0
	Direct Uses-Total Nonprocess	224	0	*	1	*	0
	Facility HVAC (g)	100	0	*	1	*	0
	Facility Lighting	96	--	--	--	--	--
	Other Facility Support	25	0	*	*	*	0
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	2	0	*	*	*	0
	End Use Not Reported	0	0	*	*	*	0
325312	Phosphatic Fertilizers						
	TOTAL FUEL CONSUMPTION	3,530	*	*	26	*	*
	Indirect Uses-Boiler Fuel	1	*	*	3	0	0
	Conventional Boiler Use	1	0	0	2	0	0
	CHP and/or Cogeneration Process	--	*	*	1	0	0
	Direct Uses-Total Process	3,221	*	*	23	*	*
	Process Heating	6	*	*	23	0	*
	Process Cooling and Refrigeration	15	0	0	0	0	0
	Machine Drive	3,194	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	6	0	*	*	0	0
	Direct Uses-Total Nonprocess	304	0	*	*	*	0
	Facility HVAC (g)	127	0	*	*	*	0
	Facility Lighting	113	--	--	--	--	--
	Other Facility Support	62	0	0	*	0	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	End Use Not Reported	4	0	0	*	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
3254	Pharmaceuticals and Medicines						
	TOTAL FUEL CONSUMPTION	10,036	*	*	48	*	*
	Indirect Uses-Boiler Fuel	122	*	*	37	*	*
	Conventional Boiler Use	122	*	*	17	*	*
	CHP and/or Cogeneration Process	--	*	*	21	*	0
	Direct Uses-Total Process	4,902	*	*	5	*	0
	Process Heating	487	*	0	4	*	0
	Process Cooling and Refrigeration	1,554	0	*	*	0	0
	Machine Drive	2,588	0	*	*	*	0
	Electro-Chemical Processes	41	--	--	--	--	--
	Other Process Use	231	0	*	1	*	0
	Direct Uses-Total Nonprocess	4,976	*	*	5	*	*
	Facility HVAC (g)	3,171	0	*	5	*	*
	Facility Lighting	1,149	--	--	--	--	--
	Other Facility Support	556	0	*	1	*	0
	Onsite Transportation	15	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	85	*	*	*	*	0
	End Use Not Reported	37	0	*	*	*	0
325412	Pharmaceutical Preparation						
	TOTAL FUEL CONSUMPTION	5,899	*	*	23	*	*
	Indirect Uses-Boiler Fuel	88	*	*	16	*	*
	Conventional Boiler Use	88	*	*	8	*	*
	CHP and/or Cogeneration Process	--	*	*	8	*	0
	Direct Uses-Total Process	3,034	*	*	3	*	0
	Process Heating	344	*	0	2	*	0
	Process Cooling and Refrigeration	865	0	0	*	0	0
	Machine Drive	1,646	0	*	*	*	0
	Electro-Chemical Processes	14	--	--	--	--	--
	Other Process Use	166	0	*	1	*	0
	Direct Uses-Total Nonprocess	2,742	0	*	4	*	*
	Facility HVAC (g)	1,696	0	*	3	*	*
	Facility Lighting	679	--	--	--	--	--
	Other Facility Support	278	0	*	*	*	0
	Onsite Transportation	11	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	79	0	*	*	*	0
	End Use Not Reported	35	0	*	*	*	0
325992	Photographic Film, Paper, Plate, and Chemicals						
	TOTAL FUEL CONSUMPTION	1,860	*	*	6	*	*
	Indirect Uses-Boiler Fuel	92	*	*	5	0	*
	Conventional Boiler Use	92	0	*	3	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	CHP and/or Cogeneration Process	--	*	*	2	0	*
	Direct Uses-Total Process	1,050	0	*	1	*	0
	Process Heating	61	0	0	1	0	0
	Process Cooling and Refrigeration	273	0	0	0	0	0
	Machine Drive	607	0	*	*	*	0
	Electro-Chemical Processes	84	--	--	--	--	--
	Other Process Use	24	0	*	*	0	0
	Direct Uses-Total Nonprocess	663	0	*	*	*	0
	Facility HVAC (g)	397	0	*	*	*	0
	Facility Lighting	213	--	--	--	--	--
	Other Facility Support	31	0	*	*	0	0
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	21	0	*	*	*	0
	End Use Not Reported	56	0	0	*	0	0
326	PLASTICS AND RUBBER PRODUCTS						
	TOTAL FUEL CONSUMPTION	46,063	*	*	101	1	*
	Indirect Uses-Boiler Fuel	439	*	*	43	*	*
	Conventional Boiler Use	439	*	*	19	*	0
	CHP and/or Cogeneration Process	--	0	*	23	*	*
	Direct Uses-Total Process	35,205	0	*	36	*	0
	Process Heating	8,433	0	0	33	*	0
	Process Cooling and Refrigeration	5,143	0	0	*	*	0
	Machine Drive	19,981	0	*	Q	*	0
	Electro-Chemical Processes	229	--	--	--	--	--
	Other Process Use	1,419	0	0	Q	*	0
	Direct Uses-Total Nonprocess	9,571	0	*	23	*	0
	Facility HVAC (g)	4,549	0	*	21	*	0
	Facility Lighting	3,877	--	--	--	--	--
	Other Facility Support	898	0	*	1	*	0
	Onsite Transportation	140	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	108	0	*	Q	*	0
	End Use Not Reported	Q	0	*	*	*	0
327	NONMETALLIC MINERAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	32,847	*	4	265	1	10
	Indirect Uses-Boiler Fuel	116	*	*	10	*	*
	Conventional Boiler Use	116	0	*	3	*	0
	CHP and/or Cogeneration Process	--	*	*	7	*	*
	Direct Uses-Total Process	28,181	*	2	232	*	10
	Process Heating	8,623	*	*	229	*	10
	Process Cooling and Refrigeration	953	0	*	Q	0	0
	Machine Drive	17,740	*	2	2	*	0
	Electro-Chemical Processes	274	--	--	--	--	--
	Other Process Use	591	0	*	*	*	*

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Direct Uses-Total Nonprocess	4,196	*	2	17	*	*
	Facility HVAC (g)	1,925	*	*	15	*	*
	Facility Lighting	1,780	--	--	--	--	--
	Other Facility Support	415	*	*	1	*	0
	Onsite Transportation	33	--	1	*	*	--
	Conventional Electricity Generation	--	*	*	*	*	0
	Other Nonprocess Use	44	0	*	*	*	*
	End Use Not Reported	354	0	*	6	*	0
327121	Brick and Structural Clay Tile						
	TOTAL FUEL CONSUMPTION	576	*	*	15	*	*
	Indirect Uses-Boiler Fuel	1	0	0	*	0	0
	Conventional Boiler Use	1	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	442	*	*	14	*	*
	Process Heating	75	*	*	14	*	*
	Process Cooling and Refrigeration	3	0	0	0	0	0
	Machine Drive	362	0	*	*	*	0
	Electro-Chemical Processes	3	--	--	--	--	--
	Other Process Use	0	0	*	0	0	0
	Direct Uses-Total Nonprocess	86	0	*	*	*	0
	Facility HVAC (g)	31	0	*	*	*	0
	Facility Lighting	40	--	--	--	--	--
	Other Facility Support	14	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	0	0
	End Use Not Reported	Q	0	0	*	*	0
327211	Flat Glass						
	TOTAL FUEL CONSUMPTION	1,661	0	*	42	*	0
	Indirect Uses-Boiler Fuel	5	0	0	*	0	0
	Conventional Boiler Use	5	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	1,407	0	*	40	*	0
	Process Heating	520	0	*	40	*	0
	Process Cooling and Refrigeration	99	0	0	0	0	0
	Machine Drive	718	0	*	*	*	0
	Electro-Chemical Processes	20	--	--	--	--	--
	Other Process Use	49	0	*	0	0	0
	Direct Uses-Total Nonprocess	249	0	*	1	*	0
	Facility HVAC (g)	113	0	0	1	*	0
	Facility Lighting	108	--	--	--	--	--
	Other Facility Support	20	0	*	*	*	0
	Onsite Transportation	4	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	4	0	*	0	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	End Use Not Reported	*	0	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware						
	TOTAL FUEL CONSUMPTION	2,563	0	*	27	*	0
	Indirect Uses-Boiler Fuel	3	0	*	1	*	0
	Conventional Boiler Use	3	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	0	1	*	0
	Direct Uses-Total Process	2,196	0	*	24	*	0
	Process Heating	1,189	0	*	23	*	0
	Process Cooling and Refrigeration	274	0	0	*	0	0
	Machine Drive	641	0	*	*	*	0
	Electro-Chemical Processes	29	--	--	--	--	--
	Other Process Use	64	0	*	*	0	0
	Direct Uses-Total Nonprocess	362	0	*	1	*	0
	Facility HVAC (g)	168	0	0	1	*	0
	Facility Lighting	151	--	--	--	--	--
	Other Facility Support	39	0	*	*	*	0
	Onsite Transportation	2	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	1	0	*	0	*	0
	End Use Not Reported	1	0	0	1	*	0
327213	Glass Containers						
	TOTAL FUEL CONSUMPTION	3,606	0	*	45	*	0
	Indirect Uses-Boiler Fuel	3	0	0	*	0	0
	Conventional Boiler Use	3	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	3,270	0	*	42	*	0
	Process Heating	1,417	0	*	42	*	0
	Process Cooling and Refrigeration	61	0	0	*	0	0
	Machine Drive	1,736	0	*	*	*	0
	Electro-Chemical Processes	17	--	--	--	--	--
	Other Process Use	39	0	0	*	0	0
	Direct Uses-Total Nonprocess	333	0	*	2	*	0
	Facility HVAC (g)	154	0	*	2	*	0
	Facility Lighting	141	--	--	--	--	--
	Other Facility Support	28	0	0	*	*	0
	Onsite Transportation	9	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	*	0	*	0	*	0
327215	Glass Products from Purchased Glass						
	TOTAL FUEL CONSUMPTION	2,646	0	*	4	*	*
	Indirect Uses-Boiler Fuel	6	0	0	*	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Boiler Use	6	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	2,016	0	*	3	*	0
	Process Heating	1,019	0	*	3	*	0
	Process Cooling and Refrigeration	138	0	0	*	0	0
	Machine Drive	707	0	*	*	*	0
	Electro-Chemical Processes	24	--	--	--	--	--
	Other Process Use	128	0	*	*	*	0
	Direct Uses-Total Nonprocess	576	0	*	1	*	*
	Facility HVAC (g)	306	0	*	1	*	*
	Facility Lighting	181	--	--	--	--	--
	Other Facility Support	57	0	*	*	*	0
	Onsite Transportation	10	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	22	0	*	*	*	0
	End Use Not Reported	47	0	*	*	*	0
327310	Cements						
	TOTAL FUEL CONSUMPTION	9,419	*	*	12	*	6
	Indirect Uses-Boiler Fuel	16	0	0	*	*	0
	Conventional Boiler Use	16	0	0	*	*	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	8,771	*	*	12	*	6
	Process Heating	1,834	*	*	12	*	6
	Process Cooling and Refrigeration	132	0	0	0	0	0
	Machine Drive	6,620	0	*	*	*	0
	Electro-Chemical Processes	39	--	--	--	--	--
	Other Process Use	146	0	*	0	*	*
	Direct Uses-Total Nonprocess	626	0	*	*	*	0
	Facility HVAC (g)	321	0	*	*	*	0
	Facility Lighting	230	--	--	--	--	--
	Other Facility Support	67	0	*	*	*	0
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	6	0	*	*	*	0
	End Use Not Reported	6	0	0	0	*	0
327410	Lime						
	TOTAL FUEL CONSUMPTION	1,502	*	1	3	*	3
	Indirect Uses-Boiler Fuel	5	0	0	*	0	0
	Conventional Boiler Use	5	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	1,397	0	1	3	*	3
	Process Heating	341	0	*	3	*	3
	Process Cooling and Refrigeration	14	0	*	0	0	0
	Machine Drive	998	0	1	0	*	0
	Electro-Chemical Processes	0	--	--	--	--	--

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Process Use	43	0	*	0	0	0
	Direct Uses-Total Nonprocess	99	*	*	*	*	0
	Facility HVAC (g)	38	*	*	*	*	0
	Facility Lighting	40	--	--	--	--	--
	Other Facility Support	16	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	4	0	*	0	*	0
	End Use Not Reported	1	0	0	0	*	0
327420	Gypsum						
	TOTAL FUEL CONSUMPTION	1,404	*	*	38	*	0
	Indirect Uses-Boiler Fuel	1	0	0	1	0	0
	Conventional Boiler Use	1	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	1,198	0	*	35	*	0
	Process Heating	54	0	*	34	*	0
	Process Cooling and Refrigeration	14	0	0	0	0	0
	Machine Drive	1,127	0	*	1	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	4	0	*	*	*	0
	Direct Uses-Total Nonprocess	191	*	*	2	*	0
	Facility HVAC (g)	64	*	*	2	*	0
	Facility Lighting	97	--	--	--	--	--
	Other Facility Support	30	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	13	0	0	0	0	0
327993	Mineral Wool						
	TOTAL FUEL CONSUMPTION	3,419	0	*	24	*	0
	Indirect Uses-Boiler Fuel	2	0	*	1	0	0
	Conventional Boiler Use	2	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	2,947	0	*	20	*	0
	Process Heating	1,439	0	*	20	*	0
	Process Cooling and Refrigeration	69	0	0	*	0	0
	Machine Drive	1,322	0	*	*	*	0
	Electro-Chemical Processes	16	--	--	--	--	--
	Other Process Use	101	0	*	*	*	0
	Direct Uses-Total Nonprocess	470	0	*	2	*	0
	Facility HVAC (g)	215	0	*	2	*	0
	Facility Lighting	205	--	--	--	--	--
	Other Facility Support	47	0	*	*	*	0
	Onsite Transportation	3	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	0	0	0	0	0	0
331	PRIMARY METALS						
	TOTAL FUEL CONSUMPTION	122,967	*	2	522	1	1
	Indirect Uses-Boiler Fuel	428	*	*	62	*	0
	Conventional Boiler Use	428	*	*	21	*	0
	CHP and/or Cogeneration Process	--	*	*	40	*	0
	Direct Uses-Total Process	111,407	*	*	422	*	1
	Process Heating	38,150	*	*	392	*	1
	Process Cooling and Refrigeration	1,421	0	*	3	*	0
	Machine Drive	36,681	*	*	12	*	0
	Electro-Chemical Processes	31,397	--	--	--	--	--
	Other Process Use	3,757	0	*	16	*	*
	Direct Uses-Total Nonprocess	10,593	*	1	37	*	*
	Facility HVAC (g)	4,520	*	*	32	*	0
	Facility Lighting	4,314	--	--	--	--	--
	Other Facility Support	1,146	0	*	3	*	0
	Onsite Transportation	75	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	539	0	*	1	*	*
	End Use Not Reported	540	0	*	Q	*	0
331111	Iron and Steel Mills						
	TOTAL FUEL CONSUMPTION	55,076	*	1	316	*	1
	Indirect Uses-Boiler Fuel	61	*	*	37	*	0
	Conventional Boiler Use	61	*	*	W	*	0
	CHP and/or Cogeneration Process	--	*	*	W	*	0
	Direct Uses-Total Process	49,493	0	*	264	*	1
	Process Heating	23,945	0	*	245	*	1
	Process Cooling and Refrigeration	614	0	*	2	*	0
	Machine Drive	22,257	0	*	6	*	0
	Electro-Chemical Processes	1,322	--	--	--	--	--
	Other Process Use	1,354	0	*	11	*	*
	Direct Uses-Total Nonprocess	5,075	0	1	15	*	*
	Facility HVAC (g)	2,045	0	*	12	*	0
	Facility Lighting	2,138	--	--	--	--	--
	Other Facility Support	530	0	*	2	*	0
	Onsite Transportation	10	--	1	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	352	0	*	1	*	*
	End Use Not Reported	448	0	*	*	*	0
331112	Electrometallurgical Ferroalloy Products						
	TOTAL FUEL CONSUMPTION	3,158	0	*	1	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	3,070	0	*	*	*	0
	Process Heating	1,481	0	*	*	*	0
	Process Cooling and Refrigeration	23	0	0	0	0	0
	Machine Drive	208	0	*	0	*	0
	Electro-Chemical Processes	1,337	--	--	--	--	--
	Other Process Use	20	0	0	0	0	0
	Direct Uses-Total Nonprocess	87	0	*	*	*	0
	Facility HVAC (g)	32	0	*	*	*	0
	Facility Lighting	47	--	--	--	--	--
	Other Facility Support	9	0	0	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	*	0	0	0	*	0
3312	Steel Products from Purchased Steel						
	TOTAL FUEL CONSUMPTION	5,270	*	*	18	*	0
	Indirect Uses-Boiler Fuel	13	0	*	2	*	0
	Conventional Boiler Use	13	0	0	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	4,335	*	*	12	*	0
	Process Heating	1,190	0	*	12	*	0
	Process Cooling and Refrigeration	81	0	0	0	0	0
	Machine Drive	2,679	*	*	*	*	0
	Electro-Chemical Processes	342	--	--	--	--	--
	Other Process Use	42	0	0	*	*	0
	Direct Uses-Total Nonprocess	913	0	*	4	*	0
	Facility HVAC (g)	317	0	*	3	*	0
	Facility Lighting	434	--	--	--	--	--
	Other Facility Support	127	0	0	*	*	0
	Onsite Transportation	4	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	Q	0	0	*	*	0
3313	Alumina and Aluminum						
	TOTAL FUEL CONSUMPTION	34,562	*	*	93	*	0
	Indirect Uses-Boiler Fuel	173	*	*	12	*	0
	Conventional Boiler Use	173	*	*	W	*	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	33,103	*	*	76	*	0
	Process Heating	1,337	*	*	71	*	0
	Process Cooling and Refrigeration	175	0	*	*	0	0
	Machine Drive	5,127	0	*	5	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Electro-Chemical Processes	26,362	--	--	--	--	--
	Other Process Use	101	0	*	*	*	0
	Direct Uses-Total Nonprocess	1,285	0	*	4	*	0
	Facility HVAC (g)	464	0	*	4	*	0
	Facility Lighting	578	--	--	--	--	--
	Other Facility Support	192	0	0	*	*	0
	Onsite Transportation	49	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	2	0	*	*	*	0
	End Use Not Reported	1	0	*	*	*	0
331314	Secondary Smelting and Alloying of Aluminum						
	TOTAL FUEL CONSUMPTION	2,638	*	*	14	*	0
	Indirect Uses-Boiler Fuel	1	0	0	1	0	0
	Conventional Boiler Use	1	0	0	0	0	0
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	2,543	*	*	13	*	0
	Process Heating	201	*	*	13	*	0
	Process Cooling and Refrigeration	5	0	0	*	0	0
	Machine Drive	359	0	*	0	*	0
	Electro-Chemical Processes	1,968	--	--	--	--	--
	Other Process Use	9	0	*	*	*	0
	Direct Uses-Total Nonprocess	95	0	*	*	*	0
	Facility HVAC (g)	55	0	*	*	*	0
	Facility Lighting	32	--	--	--	--	--
	Other Facility Support	8	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	*	*	*	0
331315	Aluminum Sheet, Plate and Foils						
	TOTAL FUEL CONSUMPTION	4,134	*	*	39	*	0
	Indirect Uses-Boiler Fuel	2	*	0	W	0	0
	Conventional Boiler Use	2	*	0	1	0	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	3,738	*	*	36	*	0
	Process Heating	556	*	0	36	*	0
	Process Cooling and Refrigeration	121	0	*	*	0	0
	Machine Drive	3,034	0	*	0	*	0
	Electro-Chemical Processes	4	--	--	--	--	--
	Other Process Use	23	0	0	*	0	0
	Direct Uses-Total Nonprocess	394	0	*	W	*	0
	Facility HVAC (g)	161	0	*	W	*	0
	Facility Lighting	163	--	--	--	--	--
	Other Facility Support	64	0	0	*	*	0
	Onsite Transportation	6	--	*	*	*	--

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	1	0	*	0	0	0
	End Use Not Reported	*	0	0	*	*	0
331316	Aluminum Extruded Products						
	TOTAL FUEL CONSUMPTION	1,411	0	*	11	*	0
	Indirect Uses-Boiler Fuel	3	0	0	W	*	0
	Conventional Boiler Use	3	0	0	W	*	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	1,156	0	*	W	*	0
	Process Heating	197	0	0	W	*	0
	Process Cooling and Refrigeration	25	0	0	*	0	0
	Machine Drive	894	0	*	*	*	0
	Electro-Chemical Processes	32	--	--	--	--	--
	Other Process Use	8	0	0	*	*	0
	Direct Uses-Total Nonprocess	252	0	*	1	*	0
	Facility HVAC (g)	81	0	*	1	*	0
	Facility Lighting	149	--	--	--	--	--
	Other Facility Support	19	0	0	*	*	0
	Onsite Transportation	2	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	1	0	*	0	*	0
	End Use Not Reported	0	0	0	0	*	0
3314	Nonferrous Metals, except Aluminum						
	TOTAL FUEL CONSUMPTION	13,732	*	*	50	*	0
	Indirect Uses-Boiler Fuel	121	0	*	9	*	0
	Conventional Boiler Use	121	0	*	4	*	0
	CHP and/or Cogeneration Process	--	0	*	5	*	0
	Direct Uses-Total Process	12,413	0	*	36	*	0
	Process Heating	5,147	0	*	33	*	0
	Process Cooling and Refrigeration	317	0	*	*	*	0
	Machine Drive	3,303	0	*	*	*	0
	Electro-Chemical Processes	1,953	--	--	--	--	--
	Other Process Use	1,693	0	*	3	*	0
	Direct Uses-Total Nonprocess	1,176	*	*	4	*	0
	Facility HVAC (g)	566	*	*	4	*	0
	Facility Lighting	415	--	--	--	--	--
	Other Facility Support	99	0	0	*	*	0
	Onsite Transportation	5	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	91	0	*	0	*	0
	End Use Not Reported	21	0	0	Q	*	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum						

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	7,564	0	*	12	*	0
	Indirect Uses-Boiler Fuel	29	0	*	1	0	0
	Conventional Boiler Use	29	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	7,189	0	*	10	*	0
	Process Heating	3,528	0	*	8	*	0
	Process Cooling and Refrigeration	187	0	0	*	*	0
	Machine Drive	462	0	*	0	*	0
	Electro-Chemical Processes	1,478	--	--	--	--	--
	Other Process Use	1,534	0	*	3	*	0
	Direct Uses-Total Nonprocess	344	0	*	*	*	0
	Facility HVAC (g)	146	0	*	*	*	0
	Facility Lighting	93	--	--	--	--	--
	Other Facility Support	13	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	91	0	*	0	*	0
	End Use Not Reported	1	0	0	*	*	0
3315	Foundries						
	TOTAL FUEL CONSUMPTION	11,170	0	*	45	*	0
	Indirect Uses-Boiler Fuel	60	0	*	1	*	0
	Conventional Boiler Use	60	0	*	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	*	0
	Direct Uses-Total Process	8,993	0	*	33	*	0
	Process Heating	5,050	0	*	31	*	0
	Process Cooling and Refrigeration	210	0	*	*	0	0
	Machine Drive	3,106	0	*	*	*	0
	Electro-Chemical Processes	81	--	--	--	--	--
	Other Process Use	546	0	*	1	*	0
	Direct Uses-Total Nonprocess	2,055	0	*	10	*	0
	Facility HVAC (g)	1,095	0	*	9	*	0
	Facility Lighting	703	--	--	--	--	--
	Other Facility Support	189	0	*	1	*	0
	Onsite Transportation	7	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	61	0	*	*	*	0
	End Use Not Reported	61	0	0	*	*	0
331511	Iron Foundries						
	TOTAL FUEL CONSUMPTION	5,681	0	*	14	*	0
	Indirect Uses-Boiler Fuel	36	0	*	*	*	0
	Conventional Boiler Use	36	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	*	*	0	0
	Direct Uses-Total Process	4,483	0	*	9	*	0
	Process Heating	2,976	0	*	8	*	0
	Process Cooling and Refrigeration	53	0	0	0	0	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Machine Drive	1,377	0	*	*	*	0
	Electro-Chemical Processes	17	--	--	--	--	--
	Other Process Use	60	0	*	1	*	0
	Direct Uses-Total Nonprocess	1,134	0	*	5	*	0
	Facility HVAC (g)	661	0	*	4	*	0
	Facility Lighting	337	--	--	--	--	--
	Other Facility Support	88	0	*	*	*	0
	Onsite Transportation	3	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	45	0	*	*	*	0
	End Use Not Reported	28	0	0	0	*	0
331521	Aluminum Die-Casting Foundries						
	TOTAL FUEL CONSUMPTION	1,287	0	*	11	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	*	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	*	0
	Direct Uses-Total Process	997	0	*	8	*	0
	Process Heating	310	0	0	8	*	0
	Process Cooling and Refrigeration	31	0	0	0	0	0
	Machine Drive	613	0	*	*	*	0
	Electro-Chemical Processes	4	--	--	--	--	--
	Other Process Use	39	0	*	*	0	0
	Direct Uses-Total Nonprocess	270	0	*	2	*	0
	Facility HVAC (g)	117	0	*	2	*	0
	Facility Lighting	99	--	--	--	--	--
	Other Facility Support	35	0	0	*	*	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	16	0	*	*	*	0
	End Use Not Reported	20	0	0	*	*	0
331524	Aluminum Foundries, except Die-Casting						
	TOTAL FUEL CONSUMPTION	857	0	*	8	*	0
	Indirect Uses-Boiler Fuel	10	0	0	*	*	0
	Conventional Boiler Use	10	0	0	*	*	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	649	0	*	6	*	0
	Process Heating	300	0	*	6	*	0
	Process Cooling and Refrigeration	30	0	0	*	0	0
	Machine Drive	303	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	16	0	0	*	*	0
	Direct Uses-Total Nonprocess	193	0	*	1	*	0
	Facility HVAC (g)	100	0	*	1	*	0
	Facility Lighting	75	--	--	--	--	--
	Other Facility Support	19	0	*	*	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	5	0	0	*	*	0
332	FABRICATED METAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	37,331	*	*	158	1	*
	Indirect Uses-Boiler Fuel	108	0	*	20	*	0
	Conventional Boiler Use	108	0	0	11	0	0
	CHP and/or Cogeneration Process	--	0	*	10	*	0
	Direct Uses-Total Process	26,240	0	*	91	*	0
	Process Heating	7,788	0	*	89	*	0
	Process Cooling and Refrigeration	1,253	0	0	*	*	0
	Machine Drive	15,191	0	*	1	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	990	0	*	1	*	0
	Direct Uses-Total Nonprocess	8,690	0	*	29	1	*
	Facility HVAC (g)	3,581	0	*	28	*	*
	Facility Lighting	4,025	--	--	--	--	--
	Other Facility Support	890	0	*	2	*	0
	Onsite Transportation	141	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	Q	0	*	0	*	0
	End Use Not Reported	2,292	*	*	Q	*	0
333	MACHINERY						
	TOTAL FUEL CONSUMPTION	20,505	*	1	69	1	0
	Indirect Uses-Boiler Fuel	Q	*	*	6	*	0
	Conventional Boiler Use	Q	0	0	3	*	0
	CHP and/or Cogeneration Process	--	*	*	3	0	0
	Direct Uses-Total Process	11,712	0	*	29	*	0
	Process Heating	2,322	0	*	28	*	0
	Process Cooling and Refrigeration	551	0	0	*	0	0
	Machine Drive	8,217	0	*	1	*	0
	Electro-Chemical Processes	76	--	--	--	--	--
	Other Process Use	545	0	*	Q	*	0
	Direct Uses-Total Nonprocess	8,307	0	*	34	*	0
	Facility HVAC (g)	4,151	0	*	32	*	0
	Facility Lighting	3,048	--	--	--	--	--
	Other Facility Support	810	0	*	1	*	0
	Onsite Transportation	90	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	289	0	0	Q	*	0
334	COMPUTER AND ELECTRONIC PRODUCTS						

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	29,547	*	*	41	*	0
	Indirect Uses-Boiler Fuel	211	*	*	14	0	0
	Conventional Boiler Use	211	0	*	11	0	0
	CHP and/or Cogeneration Process	--	*	*	3	0	0
	Direct Uses-Total Process	14,161	0	*	6	*	0
	Process Heating	2,875	0	*	5	*	0
	Process Cooling and Refrigeration	2,576	0	0	0	0	0
	Machine Drive	6,785	0	*	*	*	0
	Electro-Chemical Processes	457	--	--	--	--	--
	Other Process Use	1,469	0	*	1	0	0
	Direct Uses-Total Nonprocess	14,111	*	*	19	*	0
	Facility HVAC (g)	8,779	*	*	17	*	0
	Facility Lighting	3,542	--	--	--	--	--
	Other Facility Support	1,488	0	*	1	*	0
	Onsite Transportation	20	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	281	0	*	*	*	0
	End Use Not Reported	1,063	0	0	2	*	0
334413	Semiconductors and Related Devices						
	TOTAL FUEL CONSUMPTION	10,833	*	*	19	*	0
	Indirect Uses-Boiler Fuel	64	0	*	8	0	0
	Conventional Boiler Use	64	0	*	8	0	0
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	6,357	0	*	3	*	0
	Process Heating	1,176	0	0	2	*	0
	Process Cooling and Refrigeration	1,168	0	0	0	0	0
	Machine Drive	2,525	0	*	*	*	0
	Electro-Chemical Processes	379	--	--	--	--	--
	Other Process Use	1,111	0	*	1	0	0
	Direct Uses-Total Nonprocess	3,598	*	*	6	*	0
	Facility HVAC (g)	2,540	*	*	5	*	0
	Facility Lighting	617	--	--	--	--	--
	Other Facility Support	278	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	163	0	*	*	*	0
	End Use Not Reported	813	0	0	2	*	0
335	ELEC. EQUIP., APPLIANCES, COMPONENTS						
	TOTAL FUEL CONSUMPTION	10,689	*	*	35	*	0
	Indirect Uses-Boiler Fuel	119	*	*	6	*	0
	Conventional Boiler Use	119	*	*	4	*	0
	CHP and/or Cogeneration Process	--	0	0	3	*	0
	Direct Uses-Total Process	7,055	*	*	20	*	0
	Process Heating	1,611	0	*	19	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Cooling and Refrigeration	468	0	0	*	0	0
	Machine Drive	4,005	*	*	*	*	0
	Electro-Chemical Processes	571	--	--	--	--	--
	Other Process Use	400	0	*	*	*	0
	Direct Uses-Total Nonprocess	3,507	0	*	8	*	0
	Facility HVAC (g)	1,653	0	*	7	*	0
	Facility Lighting	1,076	--	--	--	--	--
	Other Facility Support	707	0	*	1	*	0
	Onsite Transportation	46	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	Q	0	0	1	*	0
336	TRANSPORTATION EQUIPMENT						
	TOTAL FUEL CONSUMPTION	39,301	*	*	123	1	*
	Indirect Uses-Boiler Fuel	282	*	*	29	*	*
	Conventional Boiler Use	282	*	*	13	*	*
	CHP and/or Cogeneration Process	--	0	*	16	*	0
	Direct Uses-Total Process	22,480	*	*	50	*	0
	Process Heating	4,208	*	*	42	*	0
	Process Cooling and Refrigeration	1,923	*	*	*	0	0
	Machine Drive	14,057	0	*	*	*	0
	Electro-Chemical Processes	801	--	--	--	--	--
	Other Process Use	1,491	0	*	7	*	0
	Direct Uses-Total Nonprocess	15,179	*	*	43	*	0
	Facility HVAC (g)	7,373	*	*	39	*	0
	Facility Lighting	5,770	--	--	--	--	--
	Other Facility Support	1,363	*	*	2	*	0
	Onsite Transportation	234	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	1	0	0
	Other Nonprocess Use	439	0	*	*	*	0
	End Use Not Reported	1,360	*	*	1	*	0
336111	Automobiles						
	TOTAL FUEL CONSUMPTION	3,030	0	*	15	*	*
	Indirect Uses-Boiler Fuel	24	0	*	3	*	*
	Conventional Boiler Use	24	0	*	2	*	*
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	1,830	0	*	8	*	0
	Process Heating	243	0	0	8	0	0
	Process Cooling and Refrigeration	172	0	0	0	0	0
	Machine Drive	1,216	0	*	0	*	0
	Electro-Chemical Processes	53	--	--	--	--	--
	Other Process Use	146	0	*	*	*	0
	Direct Uses-Total Nonprocess	1,176	0	*	4	*	0
	Facility HVAC (g)	592	0	0	3	*	0
	Facility Lighting	456	--	--	--	--	--

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Facility Support	98	0	*	1	*	0
	Onsite Transportation	13	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	17	0	*	0	*	0
	End Use Not Reported	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles						
	TOTAL FUEL CONSUMPTION	3,684	0	*	22	*	*
	Indirect Uses-Boiler Fuel	48	0	*	5	0	*
	Conventional Boiler Use	48	0	0	2	0	*
	CHP and/or Cogeneration Process	--	0	*	3	0	0
	Direct Uses-Total Process	2,351	0	*	12	*	0
	Process Heating	219	0	0	10	0	0
	Process Cooling and Refrigeration	356	0	0	*	0	0
	Machine Drive	1,588	0	*	*	*	0
	Electro-Chemical Processes	33	--	--	--	--	--
	Other Process Use	155	0	*	1	*	0
	Direct Uses-Total Nonprocess	1,284	0	*	6	*	0
	Facility HVAC (g)	717	0	0	5	*	0
	Facility Lighting	417	--	--	--	--	--
	Other Facility Support	95	0	*	*	*	0
	Onsite Transportation	28	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	26	0	*	0	*	0
	End Use Not Reported	0	0	0	0	0	0
3364	Aerospace Products						
	TOTAL FUEL CONSUMPTION	9,903	*	*	29	*	*
	Indirect Uses-Boiler Fuel	83	*	*	14	*	*
	Conventional Boiler Use	83	*	*	7	*	*
	CHP and/or Cogeneration Process	--	0	*	7	*	0
	Direct Uses-Total Process	4,479	*	*	5	*	0
	Process Heating	1,277	*	*	5	*	0
	Process Cooling and Refrigeration	605	*	*	*	0	0
	Machine Drive	2,203	0	*	*	*	0
	Electro-Chemical Processes	179	--	--	--	--	--
	Other Process Use	215	0	*	*	*	0
	Direct Uses-Total Nonprocess	5,141	*	*	10	*	0
	Facility HVAC (g)	2,581	*	*	9	*	0
	Facility Lighting	1,906	--	--	--	--	--
	Other Facility Support	565	*	*	1	*	0
	Onsite Transportation	37	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	Q	0	0
	Other Nonprocess Use	52	0	*	*	*	0
	End Use Not Reported	199	*	0	*	*	0
336411	Aircraft						

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	2,772	*	*	9	*	0
	Indirect Uses-Boiler Fuel	29	*	*	5	*	0
	Conventional Boiler Use	29	*	*	3	*	0
	CHP and/or Cogeneration Process	--	0	0	2	0	0
	Direct Uses-Total Process	825	*	*	1	*	0
	Process Heating	175	*	*	1	*	0
	Process Cooling and Refrigeration	154	*	0	*	0	0
	Machine Drive	448	0	*	*	*	0
	Electro-Chemical Processes	8	--	--	--	--	--
	Other Process Use	40	0	0	*	0	0
	Direct Uses-Total Nonprocess	1,745	*	*	3	*	0
	Facility HVAC (g)	895	*	*	3	*	0
	Facility Lighting	663	--	--	--	--	--
	Other Facility Support	147	*	0	*	*	0
	Onsite Transportation	24	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	16	0	*	0	*	0
	End Use Not Reported	174	0	0	0	*	0
337	FURNITURE AND RELATED PRODUCTS						
	TOTAL FUEL CONSUMPTION	5,018	0	*	13	*	*
	Indirect Uses-Boiler Fuel	51	0	0	1	0	*
	Conventional Boiler Use	51	0	0	*	0	*
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	2,779	0	*	5	*	0
	Process Heating	247	0	*	5	*	0
	Process Cooling and Refrigeration	62	0	0	0	0	0
	Machine Drive	2,335	0	*	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	106	0	0	*	0	0
	Direct Uses-Total Nonprocess	2,006	0	*	6	*	*
	Facility HVAC (g)	885	0	*	6	*	*
	Facility Lighting	834	--	--	--	--	--
	Other Facility Support	215	0	0	*	*	0
	Onsite Transportation	35	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	36	0	*	0	*	0
	End Use Not Reported	183	0	*	*	*	0
339	MISCELLANEOUS						
	TOTAL FUEL CONSUMPTION	7,728	*	*	15	*	*
	Indirect Uses-Boiler Fuel	55	0	*	5	*	0
	Conventional Boiler Use	55	0	*	2	0	0
	CHP and/or Cogeneration Process	--	0	*	3	*	0
	Direct Uses-Total Process	4,113	0	*	4	*	0

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Heating	832	0	*	4	*	0
	Process Cooling and Refrigeration	388	0	0	*	0	0
	Machine Drive	2,274	0	*	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	215	0	*	*	*	0
	Direct Uses-Total Nonprocess	3,399	*	*	6	*	*
	Facility HVAC (g)	1,944	*	*	6	*	*
	Facility Lighting	1,081	--	--	--	--	--
	Other Facility Support	328	0	*	*	*	0
	Onsite Transportation	Q	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	160	0	0	*	*	0

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

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

(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) 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: 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: U.S. Energy Information Administration, Office of Energy Consumption

Released: March 2013

Next MECS will be fielded in 2015

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
--------------------------	----------------	--	--	---	---	---	---

and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy
Consumption Survey.'