

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
<b>Total United States</b>									
<b>311 - 339</b>	<b>ALL MANUFACTURING INDUSTRIES</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	14,228	714,166	13	22	5,064	18	39	5,435
	<b>Indirect Uses-Boiler Fuel</b>	--	7,788	7	3	2,074	3	26	--
	Conventional Boiler Use	--	7,788	3	1	712	1	3	--
	CHP and/or Cogeneration Process	--	0	4	3	1,362	2	23	--
	<b>Direct Uses-Total Process</b>	--	560,347	4	9	2,549	7	13	--
	Process Heating	--	87,131	4	2	2,295	6	13	--
	Process Cooling and Refrigeration	--	53,400	*	*	24	*	0	--
	Machine Drive	--	347,224	*	5	116	1	*	--
	Electro-Chemical Processes	--	55,414	--	--	--	--	--	--
	Other Process Use	--	17,179	*	2	113	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	131,437	1	9	358	7	*	--
	Facility HVAC (g)	--	64,945	*	1	297	1	*	--
	Facility Lighting	--	48,453	--	--	--	--	--	--
	Other Facility Support	--	13,896	*	*	35	1	*	--
	Onsite Transportation	--	1,389	--	7	1	5	--	--
	Conventional Electricity Generation	--	--	*	1	18	*	*	--
	Other Nonprocess Use	--	2,754	*	1	7	*	*	--
	<b>End Use Not Reported</b>	5,585	14,594	1	1	83	1	*	5,435
<b>311</b>	<b>FOOD</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	1,158	75,407	2	4	563	1	8	101
	<b>Indirect Uses-Boiler Fuel</b>	--	2,151	2	*	325	*	7	--
	Conventional Boiler Use	--	2,151	1	*	160	*	1	--
	CHP and/or Cogeneration Process	--	0	1	*	165	*	6	--
	<b>Direct Uses-Total Process</b>	--	57,955	*	1	183	*	1	--
	Process Heating	--	3,465	*	Q	170	*	1	--
	Process Cooling and Refrigeration	--	21,173	0	*	2	*	0	--
	Machine Drive	--	32,764	*	*	4	*	*	--
	Electro-Chemical Processes	--	158	--	--	--	--	--	--
	Other Process Use	--	395	*	*	7	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	13,932	*	2	49	1	*	--
	Facility HVAC (g)	--	5,949	*	*	32	*	*	--
	Facility Lighting	--	5,809	--	--	--	--	--	--
	Other Facility Support	--	1,699	*	*	15	*	*	--
	Onsite Transportation	--	214	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	*	*	--
	Other Nonprocess Use	--	261	0	*	1	*	0	--
	<b>End Use Not Reported</b>	116	1,369	*	*	6	*	*	101
<b>3112</b>	<b>Grain and Oilseed Milling</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	350	16,479	*	*	118	*	6	45
	<b>Indirect Uses-Boiler Fuel</b>	--	615	*	*	68	*	5	--
	Conventional Boiler Use	--	615	*	*	37	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	31	0	4	--
	<b>Direct Uses-Total Process</b>	--	13,769	*	*	45	*	*	--
	Process Heating	--	226	*	0	43	*	*	--

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	Process Cooling and Refrigeration	--	1,652	0	0	*	0	0	--
	Machine Drive	--	11,849	*	*	1	*	*	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	34	0	*	1	0	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,823	*	*	3	*	*	--
	Facility HVAC (g)	--	722	*	*	2	*	*	--
	Facility Lighting	--	872	--	--	--	--	--	--
	Other Facility Support	--	181	0	*	1	*	*	--
	Onsite Transportation	--	29	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	*	--
	Other Nonprocess Use	--	20	0	*	*	*	0	--
	<b>End Use Not Reported</b>	48	Q	0	*	1	*	*	45
<b>311221</b>	<b>Wet Corn Milling</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	214	7,467	*	*	51	*	5	25
	<b>Indirect Uses-Boiler Fuel</b>	--	422	0	*	22	0	5	--
	Conventional Boiler Use	--	422	0	0	14	0	1	--
	CHP and/or Cogeneration Process	--	0	0	*	8	0	4	--
	<b>Direct Uses-Total Process</b>	--	6,443	*	*	29	*	*	--
	Process Heating	--	3	*	0	28	*	*	--
	Process Cooling and Refrigeration	--	1,128	0	0	0	0	0	--
	Machine Drive	--	5,308	*	*	*	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	4	0	*	0	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	602	*	*	1	*	0	--
	Facility HVAC (g)	--	219	*	*	*	*	0	--
	Facility Lighting	--	335	--	--	--	--	--	--
	Other Facility Support	--	41	0	*	*	*	0	--
	Onsite Transportation	--	8	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	<b>End Use Not Reported</b>	25	0	0	0	0	*	0	25
<b>31131</b>	<b>Sugar</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	107	1,218	*	*	15	*	2	37
	<b>Indirect Uses-Boiler Fuel</b>	--	80	*	*	12	*	2	--
	Conventional Boiler Use	--	80	*	0	3	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	9	*	2	--
	<b>Direct Uses-Total Process</b>	--	988	0	*	3	*	*	--
	Process Heating	--	15	0	0	3	0	*	--
	Process Cooling and Refrigeration	--	28	0	0	0	0	0	--
	Machine Drive	--	940	0	*	*	*	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	2	0	*	0	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	151	*	*	*	*	*	--
	Facility HVAC (g)	--	67	0	0	*	*	*	--
	Facility Lighting	--	88	--	--	--	--	--	--
	Other Facility Support	--	17	*	*	*	*	*	--
	Onsite Transportation	--	1	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	-23	0	*	0	*	0	--

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	End Use Not Reported	37	0	0	*	0	*	0	37
3114	Fruit and Vegetable Preserving and Specialty Foods								
	<b>TOTAL FUEL CONSUMPTION</b>	143	9,203	*	Q	97	*	*	4
	<b>Indirect Uses-Boiler Fuel</b>	--	196	*	*	65	*	*	--
	Conventional Boiler Use	--	196	*	*	33	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	31	*	*	--
	<b>Direct Uses-Total Process</b>	--	6,999	*	Q	22	*	0	--
	Process Heating	--	320	*	*	21	*	0	--
	Process Cooling and Refrigeration	--	3,525	0	*	*	*	0	--
	Machine Drive	--	3,109	0	*	*	*	0	--
	Electro-Chemical Processes	--	10	--	--	--	--	--	--
	Other Process Use	--	36	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,862	*	*	9	*	0	--
	Facility HVAC (g)	--	730	*	*	7	*	0	--
	Facility Lighting	--	858	--	--	--	--	--	--
	Other Facility Support	--	191	0	*	1	*	0	--
	Onsite Transportation	--	56	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	27	0	*	*	*	0	--
	End Use Not Reported	6	146	0	*	1	*	0	4
3115	Dairy Products								
	<b>TOTAL FUEL CONSUMPTION</b>	105	9,565	*	*	65	*	*	2
	<b>Indirect Uses-Boiler Fuel</b>	--	199	*	*	40	*	*	--
	Conventional Boiler Use	--	199	*	*	17	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	23	*	0	--
	<b>Direct Uses-Total Process</b>	--	7,417	*	*	19	*	0	--
	Process Heating	--	401	*	*	16	*	0	--
	Process Cooling and Refrigeration	--	3,422	0	*	*	0	0	--
	Machine Drive	--	3,494	0	*	1	*	0	--
	Electro-Chemical Processes	--	26	--	--	--	--	--	--
	Other Process Use	--	75	*	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,696	*	*	5	*	0	--
	Facility HVAC (g)	--	717	*	*	3	*	0	--
	Facility Lighting	--	713	--	--	--	--	--	--
	Other Facility Support	--	210	0	*	1	*	0	--
	Onsite Transportation	--	27	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	29	0	*	*	*	0	--
	End Use Not Reported	5	253	*	*	2	*	0	2
3116	Animal Slaughtering and Processing								
	<b>TOTAL FUEL CONSUMPTION</b>	212	20,138	1	1	122	*	*	8
	<b>Indirect Uses-Boiler Fuel</b>	--	633	1	*	78	*	0	--
	Conventional Boiler Use	--	633	*	*	43	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	34	*	0	--
	<b>Direct Uses-Total Process</b>	--	15,513	*	*	28	*	*	--
	Process Heating	--	989	*	*	24	*	*	--

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	Process Cooling and Refrigeration	--	8,519	0	*	1	*	0	--
	Machine Drive	--	5,729	0	*	1	*	0	--
	Electro-Chemical Processes	--	83	--	--	--	--	--	--
	Other Process Use	--	192	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	3,679	*	*	15	*	0	--
	Facility HVAC (g)	--	1,504	*	*	9	*	0	--
	Facility Lighting	--	1,653	--	--	--	--	--	--
	Other Facility Support	--	453	*	*	6	*	0	--
	Onsite Transportation	--	36	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	0	0	--
	Other Nonprocess Use	--	33	0	*	*	*	0	--
	<b>End Use Not Reported</b>	11	313	*	*	1	*	0	8
<b>312</b>	<b>BEVERAGE AND TOBACCO PRODUCTS</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	86	8,449	*	*	37	*	*	7
	<b>Indirect Uses-Boiler Fuel</b>	--	157	*	*	24	*	*	--
	Conventional Boiler Use	--	157	*	*	9	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	15	*	*	--
	<b>Direct Uses-Total Process</b>	--	5,740	*	*	9	*	*	--
	Process Heating	--	478	*	*	8	*	*	--
	Process Cooling and Refrigeration	--	2,222	0	0	*	*	0	--
	Machine Drive	--	2,882	0	*	*	*	*	--
	Electro-Chemical Processes	--	24	--	--	--	--	--	--
	Other Process Use	--	134	0	*	*	0	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,813	*	*	4	*	*	--
	Facility HVAC (g)	--	851	*	*	3	*	*	--
	Facility Lighting	--	702	--	--	--	--	--	--
	Other Facility Support	--	185	0	*	*	*	*	--
	Onsite Transportation	--	34	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	*	--
	Other Nonprocess Use	--	41	0	*	*	*	*	--
	<b>End Use Not Reported</b>	10	739	0	*	*	*	0	7
<b>3121</b>	<b>Beverages</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	77	7,472	*	*	33	*	*	7
	<b>Indirect Uses-Boiler Fuel</b>	--	143	*	*	21	*	*	--
	Conventional Boiler Use	--	143	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	13	*	*	--
	<b>Direct Uses-Total Process</b>	--	5,111	*	*	9	*	*	--
	Process Heating	--	348	*	*	8	*	*	--
	Process Cooling and Refrigeration	--	2,094	0	0	*	*	0	--
	Machine Drive	--	2,516	0	*	*	*	*	--
	Electro-Chemical Processes	--	24	--	--	--	--	--	--
	Other Process Use	--	128	0	*	*	0	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,478	*	*	4	*	*	--
	Facility HVAC (g)	--	657	*	*	3	*	*	--
	Facility Lighting	--	616	--	--	--	--	--	--
	Other Facility Support	--	132	0	*	*	*	*	--
	Onsite Transportation	--	32	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	*	--
	Other Nonprocess Use	--	41	0	*	*	*	*	--

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	End Use Not Reported	10	739	0	*	*	*	0	7
3122	Tobacco								
	<b>TOTAL FUEL CONSUMPTION</b>	9	977	*	*	4	*	*	*
	<b>Indirect Uses-Boiler Fuel</b>	--	14	*	*	3	*	*	--
	Conventional Boiler Use	--	14	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	2	*	*	--
	<b>Direct Uses-Total Process</b>	--	629	*	*	*	*	0	--
	Process Heating	--	129	*	*	*	*	0	--
	Process Cooling and Refrigeration	--	128	0	0	*	0	0	--
	Machine Drive	--	366	0	0	*	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	6	0	0	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	334	*	*	*	*	0	--
	Facility HVAC (g)	--	194	*	*	*	*	0	--
	Facility Lighting	--	86	--	--	--	--	--	--
	Other Facility Support	--	53	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								
	<b>TOTAL FUEL CONSUMPTION</b>	95	13,240	*	*	31	*	*	6
	<b>Indirect Uses-Boiler Fuel</b>	--	177	*	*	17	*	*	--
	Conventional Boiler Use	--	177	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	9	*	*	--
	<b>Direct Uses-Total Process</b>	--	9,819	*	*	11	*	*	--
	Process Heating	--	991	*	*	10	*	*	--
	Process Cooling and Refrigeration	--	1,129	0	*	0	0	0	--
	Machine Drive	--	7,153	*	*	*	*	*	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	Q	*	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	2,897	*	*	2	*	*	--
	Facility HVAC (g)	--	1,617	*	*	2	*	*	--
	Facility Lighting	--	1,039	--	--	--	--	--	--
	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	8	347	0	0	1	*	0	6
314	TEXTILE PRODUCT MILLS								
	<b>TOTAL FUEL CONSUMPTION</b>	20	2,458	*	*	9	*	*	*
	<b>Indirect Uses-Boiler Fuel</b>	--	27	*	*	4	*	0	--
	Conventional Boiler Use	--	27	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	*	0	--
	<b>Direct Uses-Total Process</b>	--	1,567	0	*	3	*	*	--
	Process Heating	--	231	0	*	3	*	*	--

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	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	--
	<b>End Use Not Reported</b>	*	Q	0	0	*	*	0	*
<b>315</b>	<b>APPAREL</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	6	1,069	0	*	2	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	Q	0	*	1	*	0	--
	Conventional Boiler Use	--	Q	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	513	0	*	1	*	0	--
	Facility HVAC (g)	--	282	0	*	1	*	0	--
	Facility Lighting	--	179	--	--	--	--	--	--
	Other Facility Support	--	52	0	*	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	*	0	0	--
	Other Nonprocess Use	--	*	0	0	0	0	0	--
	<b>End Use Not Reported</b>	*	Q	0	0	*	*	0	*
<b>316</b>	<b>LEATHER AND ALLIED PRODUCTS</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	2	243	*	*	1	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	1	0	*	*	*	0	--
	Conventional Boiler Use	--	1	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	*	3	*	0	*	*	0	*
321	WOOD PRODUCTS								
	<b>TOTAL FUEL CONSUMPTION</b>	470	15,323	*	4	33	1	*	357
	<b>Indirect Uses-Boiler Fuel</b>	--	167	*	*	8	*	*	--
	Conventional Boiler Use	--	167	*	*	2	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	6	*	*	--
	<b>Direct Uses-Total Process</b>	--	12,304	*	Q	22	*	*	--
	Process Heating	--	903	*	*	21	*	*	--
	Process Cooling and Refrigeration	--	205	0	0	*	*	0	--
	Machine Drive	--	11,024	0	Q	1	*	0	--
	Electro-Chemical Processes	--	77	--	--	--	--	--	--
	Other Process Use	--	94	*	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	2,558	*	1	4	*	*	--
	Facility HVAC (g)	--	956	*	*	4	*	*	--
	Facility Lighting	--	1,183	--	--	--	--	--	--
	Other Facility Support	--	266	*	*	*	*	0	--
	Onsite Transportation	--	16	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	136	0	*	*	*	0	--
	End Use Not Reported	360	295	*	*	*	*	0	357
321113	Sawmills								
	<b>TOTAL FUEL CONSUMPTION</b>	232	4,463	*	Q	5	*	0	195
	<b>Indirect Uses-Boiler Fuel</b>	--	-57	*	*	1	*	0	--
	Conventional Boiler Use	--	-57	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	*	0	--
	<b>Direct Uses-Total Process</b>	--	3,835	*	Q	4	*	0	--
	Process Heating	--	316	*	*	4	*	0	--
	Process Cooling and Refrigeration	--	66	0	0	*	*	0	--
	Machine Drive	--	3,449	0	Q	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	2	*	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	636	*	*	*	*	0	--
	Facility HVAC (g)	--	218	*	*	*	*	0	--
	Facility Lighting	--	326	--	--	--	--	--	--
	Other Facility Support	--	62	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	29	0	*	0	*	0	--
	End Use Not Reported	196	49	*	*	*	*	0	195
3212	Veneer, Plywood, and Engineered Woods								
	<b>TOTAL FUEL CONSUMPTION</b>	183	6,374	*	*	18	*	*	138
	<b>Indirect Uses-Boiler Fuel</b>	--	142	*	*	3	*	*	--
	Conventional Boiler Use	--	142	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	*	--
	<b>Direct Uses-Total Process</b>	--	5,185	*	*	14	*	*	--
	Process Heating	--	334	*	*	13	*	*	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	102	0	0	*	0	0	--
	Machine Drive	--	4,655	0	*	1	*	0	--
	Electro-Chemical Processes	--	64	--	--	--	--	--	--
	Other Process Use	--	29	0	*	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	874	0	*	1	*	*	--
	Facility HVAC (g)	--	356	0	*	1	*	*	--
	Facility Lighting	--	390	--	--	--	--	--	--
	Other Facility Support	--	95	0	*	*	*	0	--
	Onsite Transportation	--	7	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	26	0	*	*	*	0	--
	<b>End Use Not Reported</b>	139	174	0	*	*	*	0	138
<b>321219</b>	<b>Reconstituted Wood Products</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	82	4,052	*	*	14	*	*	52
	<b>Indirect Uses-Boiler Fuel</b>	--	82	*	*	3	*	*	--
	Conventional Boiler Use	--	82	*	*	*	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	2	0	*	--
	<b>Direct Uses-Total Process</b>	--	3,329	*	*	11	*	*	--
	Process Heating	--	228	*	*	10	*	*	--
	Process Cooling and Refrigeration	--	78	0	0	*	0	0	--
	Machine Drive	--	2,951	0	*	*	*	0	--
	Electro-Chemical Processes	--	61	--	--	--	--	--	--
	Other Process Use	--	10	0	*	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	514	0	*	1	*	0	--
	Facility HVAC (g)	--	215	0	*	1	*	0	--
	Facility Lighting	--	219	--	--	--	--	--	--
	Other Facility Support	--	52	0	0	*	*	0	--
	Onsite Transportation	--	5	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	22	0	*	0	*	0	--
	<b>End Use Not Reported</b>	52	127	0	0	*	*	0	52
<b>3219</b>	<b>Other Wood Products</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	48	4,162	*	1	7	*	*	20
	<b>Indirect Uses-Boiler Fuel</b>	--	92	0	*	2	*	0	--
	Conventional Boiler Use	--	92	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	<b>Direct Uses-Total Process</b>	--	3,000	0	*	3	*	*	--
	Process Heating	--	206	0	*	3	*	*	--
	Process Cooling and Refrigeration	--	34	0	0	0	0	0	--
	Machine Drive	--	2,686	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	62	0	*	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	999	*	1	2	*	0	--
	Facility HVAC (g)	--	356	*	*	2	*	0	--
	Facility Lighting	--	447	--	--	--	--	--	--
	Other Facility Support	--	106	0	*	*	*	0	--
	Onsite Transportation	--	9	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	81	0	*	*	*	0	--



**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	20	71	*	*	*	*	0	20
322	PAPER								
	<b>TOTAL FUEL CONSUMPTION</b>	2,110	60,497	6	1	387	1	9	1,253
	<b>Indirect Uses-Boiler Fuel</b>	--	1,091	4	*	234	*	9	--
	Conventional Boiler Use	--	1,091	1	*	49	*	*	--
	CHP and/or Cogeneration Process	--	0	3	*	184	*	9	--
	<b>Direct Uses-Total Process</b>	--	50,943	2	*	129	*	*	--
	Process Heating	--	1,638	2	*	117	*	*	--
	Process Cooling and Refrigeration	--	905	0	0	*	0	0	--
	Machine Drive	--	45,374	*	*	10	*	*	--
	Electro-Chemical Processes	--	414	--	--	--	--	--	--
	Other Process Use	--	2,612	0	*	2	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	5,884	*	*	17	1	*	--
	Facility HVAC (g)	--	2,657	*	*	14	*	*	--
	Facility Lighting	--	2,566	--	--	--	--	--	--
	Other Facility Support	--	489	0	*	1	*	0	--
	Onsite Transportation	--	114	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	*	*	2	0	*	--
	Other Nonprocess Use	--	58	*	*	*	*	0	--
	End Use Not Reported	1,271	2,578	*	*	8	*	0	1,253
322110	Pulp Mills								
	<b>TOTAL FUEL CONSUMPTION</b>	249	2,032	1	*	19	*	*	214
	<b>Indirect Uses-Boiler Fuel</b>	--	122	1	*	10	*	*	--
	Conventional Boiler Use	--	122	0	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	1	*	9	*	*	--
	<b>Direct Uses-Total Process</b>	--	1,782	*	*	8	*	0	--
	Process Heating	--	233	*	*	8	*	0	--
	Process Cooling and Refrigeration	--	27	0	0	0	0	0	--
	Machine Drive	--	1,528	0	*	*	0	0	--
	Electro-Chemical Processes	--	-7	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	129	0	*	*	*	0	--
	Facility HVAC (g)	--	62	0	0	*	*	0	--
	Facility Lighting	--	57	--	--	--	--	--	--
	Other Facility Support	--	10	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	214	0	0	0	0	*	0	214
322121	Paper Mills, except Newsprint								
	<b>TOTAL FUEL CONSUMPTION</b>	822	18,146	2	*	167	*	5	458
	<b>Indirect Uses-Boiler Fuel</b>	--	231	1	*	101	*	5	--
	Conventional Boiler Use	--	231	1	*	24	*	*	--
	CHP and/or Cogeneration Process	--	0	1	*	77	*	5	--
	<b>Direct Uses-Total Process</b>	--	15,058	1	*	58	*	*	--
	Process Heating	--	562	1	*	53	*	*	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	258	0	0	0	0	0	--
	Machine Drive	--	14,119	*	*	5	*	*	--
	Electro-Chemical Processes	--	45	--	--	--	--	--	--
	Other Process Use	--	73	0	*	1	0	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,373	*	*	3	*	*	--
	Facility HVAC (g)	--	660	*	*	3	*	*	--
	Facility Lighting	--	526	--	--	--	--	--	--
	Other Facility Support	--	143	0	*	*	*	0	--
	Onsite Transportation	--	38	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	0	0	--
	Other Nonprocess Use	--	7	0	*	*	*	0	--
	<b>End Use Not Reported</b>	469	1,484	*	*	5	*	0	458
<b>322122</b>	<b>Newsprint Mills</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	101	11,180	*	*	3	*	1	35
	<b>Indirect Uses-Boiler Fuel</b>	--	44	*	*	1	0	1	--
	Conventional Boiler Use	--	44	*	*	1	0	*	--
	CHP and/or Cogeneration Process	--	0	*	*	*	0	1	--
	<b>Direct Uses-Total Process</b>	--	10,622	0	*	2	*	0	--
	Process Heating	--	20	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	31	0	0	0	0	0	--
	Machine Drive	--	8,212	0	*	0	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	2,358	0	0	0	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	514	0	*	*	*	0	--
	Facility HVAC (g)	--	294	0	0	*	*	0	--
	Facility Lighting	--	161	--	--	--	--	--	--
	Other Facility Support	--	30	0	0	0	0	0	--
	Onsite Transportation	--	8	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	20	0	*	0	*	0	--
	<b>End Use Not Reported</b>	35	*	0	0	0	*	0	35
<b>322130</b>	<b>Paperboard Mills</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	824	17,219	2	*	138	*	3	542
	<b>Indirect Uses-Boiler Fuel</b>	--	482	1	*	94	*	3	--
	Conventional Boiler Use	--	482	*	*	15	*	*	--
	CHP and/or Cogeneration Process	--	0	1	*	79	*	3	--
	<b>Direct Uses-Total Process</b>	--	15,291	1	*	38	*	0	--
	Process Heating	--	159	1	*	33	*	0	--
	Process Cooling and Refrigeration	--	153	0	0	0	0	0	--
	Machine Drive	--	14,474	0	*	4	*	0	--
	Electro-Chemical Processes	--	343	--	--	--	--	--	--
	Other Process Use	--	163	0	0	1	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,060	*	*	4	*	*	--
	Facility HVAC (g)	--	393	*	*	2	*	*	--
	Facility Lighting	--	572	--	--	--	--	--	--
	Other Facility Support	--	61	0	*	*	*	0	--
	Onsite Transportation	--	4	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	2	0	*	--
	Other Nonprocess Use	--	30	*	*	0	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	546	384	*	*	2	*	0	542
323	PRINTING AND RELATED SUPPORT								
	<b>TOTAL FUEL CONSUMPTION</b>	83	13,704	*	*	33	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	191	0	*	7	*	0	--
	Conventional Boiler Use	--	191	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	4	*	0	--
	<b>Direct Uses-Total Process</b>	--	7,837	0	*	15	*	0	--
	Process Heating	--	557	0	*	12	*	0	--
	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	3	506	0	*	Q	*	0	*
324	PETROLEUM AND COAL PRODUCTS								
	<b>TOTAL FUEL CONSUMPTION</b>	3,319	47,014	3	4	892	7	1	2,162
	<b>Indirect Uses-Boiler Fuel</b>	--	422	1	1	289	2	*	--
	Conventional Boiler Use	--	422	1	*	99	*	*	--
	CHP and/or Cogeneration Process	--	0	*	1	190	1	*	--
	<b>Direct Uses-Total Process</b>	--	42,058	2	2	551	5	*	--
	Process Heating	--	-1,098	2	1	501	4	*	--
	Process Cooling and Refrigeration	--	2,237	0	*	6	*	0	--
	Machine Drive	--	39,755	0	*	16	*	0	--
	Electro-Chemical Processes	--	77	--	--	--	--	--	--
	Other Process Use	--	1,086	0	*	28	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	3,725	*	1	19	*	*	--
	Facility HVAC (g)	--	1,763	*	*	3	*	*	--
	Facility Lighting	--	1,300	--	--	--	--	--	--
	Other Facility Support	--	475	0	*	1	*	0	--
	Onsite Transportation	--	8	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	14	*	0	--
	Other Nonprocess Use	--	179	*	*	*	*	0	--
	End Use Not Reported	2,202	810	*	*	33	*	0	2,162
324110	Petroleum Refineries								
	<b>TOTAL FUEL CONSUMPTION</b>	3,176	44,882	2	2	835	7	*	2,113
	<b>Indirect Uses-Boiler Fuel</b>	--	363	1	1	278	2	*	--
	Conventional Boiler Use	--	363	1	*	95	*	*	--
	CHP and/or Cogeneration Process	--	0	*	1	182	1	0	--
	<b>Direct Uses-Total Process</b>	--	40,450	1	*	509	4	0	--
	Process Heating	--	-1,381	1	*	462	4	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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 Column: Energy Sources, including Net Electricity;  
 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	2,145	0	*	6	*	0	--
	Machine Drive	--	38,613	0	*	14	*	0	--
	Electro-Chemical Processes	--	77	--	--	--	--	--	--
	Other Process Use	--	997	0	*	27	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	3,389	0	*	17	*	0	--
	Facility HVAC (g)	--	1,596	0	*	2	*	0	--
	Facility Lighting	--	1,180	--	--	--	--	--	--
	Other Facility Support	--	432	0	*	*	*	0	--
	Onsite Transportation	--	5	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	14	*	0	--
	Other Nonprocess Use	--	177	0	*	*	0	0	--
	<b>End Use Not Reported</b>	2,152	681	*	*	32	*	0	2,113
<b>324121</b>	<b>Asphalt Paving Mixture and Block</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	65	1,068	*	2	38	*	*	6
	<b>Indirect Uses-Boiler Fuel</b>	--	19	*	*	5	*	0	--
	Conventional Boiler Use	--	19	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	<b>Direct Uses-Total Process</b>	--	772	*	1	32	*	*	--
	Process Heating	--	141	*	1	29	*	*	--
	Process Cooling and Refrigeration	--	4	0	*	*	0	0	--
	Machine Drive	--	598	0	*	2	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	29	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	148	*	1	1	*	0	--
	Facility HVAC (g)	--	68	*	*	1	*	0	--
	Facility Lighting	--	59	--	--	--	--	--	--
	Other Facility Support	--	16	0	*	*	*	0	--
	Onsite Transportation	--	2	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	2	*	*	*	*	0	--
	<b>End Use Not Reported</b>	8	130	*	*	Q	*	0	6
<b>324199</b>	<b>Other Petroleum and Coal Products</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	55	-82	*	*	5	*	*	41
	<b>Indirect Uses-Boiler Fuel</b>	--	8	*	0	1	0	*	--
	Conventional Boiler Use	--	8	*	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	*	0	1	0	*	--
	<b>Direct Uses-Total Process</b>	--	-60	0	*	4	*	*	--
	Process Heating	--	94	0	*	4	*	*	--
	Process Cooling and Refrigeration	--	28	0	0	0	0	0	--
	Machine Drive	--	-182	0	*	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	-31	0	*	*	*	*	--
	Facility HVAC (g)	--	9	0	*	*	*	*	--
	Facility Lighting	--	-40	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	41	0	0	0	0	*	0	41
325	CHEMICALS								
	<b>TOTAL FUEL CONSUMPTION</b>	3,222	131,932	1	1	1,734	2	9	765
	<b>Indirect Uses-Boiler Fuel</b>	--	1,491	1	*	971	*	8	--
	Conventional Boiler Use	--	1,491	*	*	294	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	678	*	7	--
	<b>Direct Uses-Total Process</b>	--	114,185	*	*	729	*	1	--
	Process Heating	--	5,414	*	*	607	*	1	--
	Process Cooling and Refrigeration	--	10,059	0	*	8	*	0	--
	Machine Drive	--	77,843	*	*	66	*	0	--
	Electro-Chemical Processes	--	19,654	--	--	--	--	--	--
	Other Process Use	--	1,216	0	*	48	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	15,394	*	1	31	1	*	--
	Facility HVAC (g)	--	8,114	0	*	23	*	*	--
	Facility Lighting	--	5,147	--	--	--	--	--	--
	Other Facility Support	--	1,778	0	*	4	Q	0	--
	Onsite Transportation	--	83	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	*	0	--
	Other Nonprocess Use	--	272	*	*	2	*	0	--
	End Use Not Reported	773	862	*	*	3	*	0	765
325110	Petrochemicals								
	<b>TOTAL FUEL CONSUMPTION</b>	568	6,543	*	*	241	*	0	295
	<b>Indirect Uses-Boiler Fuel</b>	--	20	*	*	65	0	0	--
	Conventional Boiler Use	--	20	*	*	21	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	44	0	0	--
	<b>Direct Uses-Total Process</b>	--	6,201	0	*	175	*	0	--
	Process Heating	--	36	0	*	W	0	0	--
	Process Cooling and Refrigeration	--	1,248	0	0	3	*	0	--
	Machine Drive	--	4,370	0	*	W	0	0	--
	Electro-Chemical Processes	--	536	--	--	--	--	--	--
	Other Process Use	--	12	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	314	0	*	1	*	0	--
	Facility HVAC (g)	--	149	0	0	*	0	0	--
	Facility Lighting	--	130	--	--	--	--	--	--
	Other Facility Support	--	34	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	1	0	0	--
	End Use Not Reported	296	9	0	*	*	*	0	295
325120	Industrial Gases								
	<b>TOTAL FUEL CONSUMPTION</b>	96	19,401	0	*	26	*	0	3
	<b>Indirect Uses-Boiler Fuel</b>	--	11	0	*	Q	0	0	--
	Conventional Boiler Use	--	11	0	*	2	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	Q	0	0	--
	<b>Direct Uses-Total Process</b>	--	18,711	0	*	11	*	0	--
	Process Heating	--	306	0	*	3	0	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

Level: National Data;  
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 Column: Energy Sources, including Net Electricity;  
 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	--
	<b>End Use Not Reported</b>	3	166	0	*	0	*	0	3
<b>325181</b>	<b>Alkalies and Chlorine</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	W	9,405	0	*	W	*	2	17
	<b>Indirect Uses-Boiler Fuel</b>	--	28	0	*	73	*	2	--
	Conventional Boiler Use	--	28	0	*	6	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	67	*	2	--
	<b>Direct Uses-Total Process</b>	--	9,154	0	*	W	*	*	--
	Process Heating	--	77	0	0	W	*	*	--
	Process Cooling and Refrigeration	--	103	0	0	0	0	0	--
	Machine Drive	--	2,099	0	*	W	0	0	--
	Electro-Chemical Processes	--	6,875	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	223	0	*	*	*	0	--
	Facility HVAC (g)	--	68	0	*	*	*	0	--
	Facility Lighting	--	161	--	--	--	--	--	--
	Other Facility Support	--	-6	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	<b>End Use Not Reported</b>	17	*	0	0	0	*	0	17
<b>325182</b>	<b>Carbon Black</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	W	234	*	*	11	*	0	W
	<b>Indirect Uses-Boiler Fuel</b>	--	-1	0	0	*	0	0	--
	Conventional Boiler Use	--	-1	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	177	*	*	10	0	0	--
	Process Heating	--	19	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	3	0	0	0	0	0	--
	Machine Drive	--	150	*	*	2	0	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	5	0	0	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	58	0	*	*	*	0	--
	Facility HVAC (g)	--	29	0	0	*	0	0	--
	Facility Lighting	--	22	--	--	--	--	--	--
	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	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	W	0	0	0	0	0	0	W
325188	Other Basic Inorganic Chemicals								
	<b>TOTAL FUEL CONSUMPTION</b>	214	24,730	*	*	48	*	1	62
	<b>Indirect Uses-Boiler Fuel</b>	--	30	*	*	17	*	1	--
	Conventional Boiler Use	--	30	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	9	0	1	--
	<b>Direct Uses-Total Process</b>	--	23,896	*	*	29	*	*	--
	Process Heating	--	1,484	*	*	28	*	*	--
	Process Cooling and Refrigeration	--	390	0	*	*	0	0	--
	Machine Drive	--	17,074	0	*	*	0	0	--
	Electro-Chemical Processes	--	4,890	--	--	--	--	--	--
	Other Process Use	--	58	0	0	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	768	0	*	2	*	0	--
	Facility HVAC (g)	--	393	0	*	1	*	0	--
	Facility Lighting	--	275	--	--	--	--	--	--
	Other Facility Support	--	80	0	*	*	*	0	--
	Onsite Transportation	--	4	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	16	0	*	*	*	0	--
	End Use Not Reported	63	Q	0	*	*	*	0	62
325192	Cyclic Crudes and Intermediates								
	<b>TOTAL FUEL CONSUMPTION</b>	52	2,673	*	*	22	*	0	18
	<b>Indirect Uses-Boiler Fuel</b>	--	31	*	*	13	*	0	--
	Conventional Boiler Use	--	31	*	*	9	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	4	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	19	0	*	0	0	0	0	18
325193	Ethyl Alcohol								
	<b>TOTAL FUEL CONSUMPTION</b>	307	7,392	0	*	245	*	1	4
	<b>Indirect Uses-Boiler Fuel</b>	--	423	0	*	142	*	1	--
	Conventional Boiler Use	--	423	0	*	72	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	70	*	1	--
	<b>Direct Uses-Total Process</b>	--	6,325	0	*	98	*	*	--
	Process Heating	--	394	0	*	88	*	*	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

Level: National Data;  
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 Column: Energy Sources, including Net Electricity;  
 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	616	0	0	*	0	0	--
	Machine Drive	--	5,239	0	*	*	*	0	--
	Electro-Chemical Processes	--	63	--	--	--	--	--	--
	Other Process Use	--	12	0	*	9	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	532	0	*	3	*	0	--
	Facility HVAC (g)	--	195	0	*	2	*	0	--
	Facility Lighting	--	245	--	--	--	--	--	--
	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	--
	<b>End Use Not Reported</b>	7	113	0	*	3	*	0	4
<b>325199</b>	<b>Other Basic Organic Chemicals</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	634	9,608	*	*	367	*	3	164
	<b>Indirect Uses-Boiler Fuel</b>	--	280	*	*	250	*	3	--
	Conventional Boiler Use	--	280	*	*	61	0	*	--
	CHP and/or Cogeneration Process	--	0	0	*	189	*	3	--
	<b>Direct Uses-Total Process</b>	--	7,726	0	*	112	*	0	--
	Process Heating	--	405	0	*	85	*	0	--
	Process Cooling and Refrigeration	--	1,002	0	*	4	*	0	--
	Machine Drive	--	7,290	0	*	5	*	0	--
	Electro-Chemical Processes	--	-1,397	--	--	--	--	--	--
	Other Process Use	--	426	0	*	19	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,584	0	*	5	*	0	--
	Facility HVAC (g)	--	670	0	*	3	*	0	--
	Facility Lighting	--	617	--	--	--	--	--	--
	Other Facility Support	--	210	0	*	1	*	0	--
	Onsite Transportation	--	14	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	74	0	*	*	*	0	--
	<b>End Use Not Reported</b>	163	Q	0	*	*	*	0	164
<b>325211</b>	<b>Plastics Materials and Resins</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	462	19,606	*	*	298	*	1	73
	<b>Indirect Uses-Boiler Fuel</b>	--	299	*	*	226	*	1	--
	Conventional Boiler Use	--	299	*	*	39	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	187	*	*	--
	<b>Direct Uses-Total Process</b>	--	17,367	*	*	68	*	0	--
	Process Heating	--	704	*	*	59	*	0	--
	Process Cooling and Refrigeration	--	1,565	0	*	1	*	0	--
	Machine Drive	--	12,387	0	*	3	*	0	--
	Electro-Chemical Processes	--	2,669	--	--	--	--	--	--
	Other Process Use	--	40	0	*	5	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,911	0	*	3	*	0	--
	Facility HVAC (g)	--	875	0	*	2	*	0	--
	Facility Lighting	--	706	--	--	--	--	--	--
	Other Facility Support	--	283	0	*	1	*	0	--
	Onsite Transportation	--	6	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	42	0	*	*	*	0	--



**Table 5.1 End Uses of Fuel Consumption, 2010;**

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NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	73	30	0	*	*	*	0	73
325212	Synthetic Rubber								
	<b>TOTAL FUEL CONSUMPTION</b>	39	1,645	0	*	21	*	*	8
	<b>Indirect Uses-Boiler Fuel</b>	--	16	0	*	19	0	*	--
	Conventional Boiler Use	--	16	0	*	5	0	*	--
	CHP and/or Cogeneration Process	--	0	0	*	13	0	*	--
	<b>Direct Uses-Total Process</b>	--	1,117	0	*	2	*	0	--
	Process Heating	--	98	0	0	W	0	0	--
	Process Cooling and Refrigeration	--	166	0	0	*	0	0	--
	Machine Drive	--	847	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	5	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	224	0	*	*	*	0	--
	Facility HVAC (g)	--	120	0	0	*	*	0	--
	Facility Lighting	--	75	--	--	--	--	--	--
	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	9	287	0	*	0	*	0	8
325222	Noncellulosic Organic Fibers								
	<b>TOTAL FUEL CONSUMPTION</b>	36	2,791	*	*	9	*	*	13
	<b>Indirect Uses-Boiler Fuel</b>	--	74	*	*	6	*	*	--
	Conventional Boiler Use	--	74	*	*	4	0	*	--
	CHP and/or Cogeneration Process	--	0	*	*	2	*	*	--
	<b>Direct Uses-Total Process</b>	--	2,241	*	*	3	*	0	--
	Process Heating	--	395	*	0	W	*	0	--
	Process Cooling and Refrigeration	--	348	0	0	*	0	0	--
	Machine Drive	--	1,345	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	154	0	*	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	476	0	*	*	*	0	--
	Facility HVAC (g)	--	248	0	0	*	*	0	--
	Facility Lighting	--	149	--	--	--	--	--	--
	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	13	0	0	0	0	*	0	13
325311	Nitrogenous Fertilizers								
	<b>TOTAL FUEL CONSUMPTION</b>	166	3,388	*	*	147	*	0	2
	<b>Indirect Uses-Boiler Fuel</b>	--	16	*	*	48	*	0	--
	Conventional Boiler Use	--	16	0	*	29	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	19	*	0	--
	<b>Direct Uses-Total Process</b>	--	3,152	0	*	99	*	0	--
	Process Heating	--	41	0	*	94	*	0	--

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 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	583	0	0	0	0	0	--
	Machine Drive	--	2,521	0	*	3	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	6	0	0	3	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	220	0	*	1	*	0	--
	Facility HVAC (g)	--	98	0	*	1	*	0	--
	Facility Lighting	--	94	--	--	--	--	--	--
	Other Facility Support	--	25	0	*	*	*	0	--
	Onsite Transportation	--	1	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	2	0	*	*	*	0	--
	<b>End Use Not Reported</b>	2	0	0	*	*	*	0	2
<b>325312</b>	<b>Phosphatic Fertilizers</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	35	1,251	*	*	26	*	*	*
	<b>Indirect Uses-Boiler Fuel</b>	--	1	*	*	3	0	0	--
	Conventional Boiler Use	--	1	0	0	2	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	1,175	*	*	23	*	*	--
	Process Heating	--	3	*	*	23	0	*	--
	Process Cooling and Refrigeration	--	14	0	0	0	0	0	--
	Machine Drive	--	1,154	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	3	0	*	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	72	0	*	*	*	0	--
	Facility HVAC (g)	--	19	0	*	*	*	0	--
	Facility Lighting	--	53	--	--	--	--	--	--
	Other Facility Support	--	-2	0	0	*	0	0	--
	Onsite Transportation	--	2	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	0	0	--
	<b>End Use Not Reported</b>	*	4	0	0	*	0	0	*
<b>3254</b>	<b>Pharmaceuticals and Medicines</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	91	9,170	*	*	48	*	*	7
	<b>Indirect Uses-Boiler Fuel</b>	--	100	*	*	37	*	*	--
	Conventional Boiler Use	--	100	*	*	17	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	21	*	0	--
	<b>Direct Uses-Total Process</b>	--	4,603	*	*	5	*	0	--
	Process Heating	--	460	*	0	4	*	0	--
	Process Cooling and Refrigeration	--	1,441	0	*	*	0	0	--
	Machine Drive	--	2,430	0	*	*	*	0	--
	Electro-Chemical Processes	--	41	--	--	--	--	--	--
	Other Process Use	--	231	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	4,430	*	*	5	*	*	--
	Facility HVAC (g)	--	2,814	0	*	5	*	*	--
	Facility Lighting	--	1,019	--	--	--	--	--	--
	Other Facility Support	--	498	0	*	1	*	0	--
	Onsite Transportation	--	14	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	85	*	*	*	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	7	37	0	*	*	*	0	7
325412	Pharmaceutical Preparation								
	<b>TOTAL FUEL CONSUMPTION</b>	51	5,619	*	*	23	*	*	4
	<b>Indirect Uses-Boiler Fuel</b>	--	76	*	*	16	*	*	--
	Conventional Boiler Use	--	76	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	8	*	0	--
	<b>Direct Uses-Total Process</b>	--	2,950	*	*	3	*	0	--
	Process Heating	--	339	*	0	2	*	0	--
	Process Cooling and Refrigeration	--	835	0	0	*	0	0	--
	Machine Drive	--	1,597	0	*	*	*	0	--
	Electro-Chemical Processes	--	13	--	--	--	--	--	--
	Other Process Use	--	166	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	2,557	0	*	4	*	*	--
	Facility HVAC (g)	--	1,590	0	*	3	*	*	--
	Facility Lighting	--	618	--	--	--	--	--	--
	Other Facility Support	--	260	0	*	*	*	0	--
	Onsite Transportation	--	11	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	79	0	*	*	*	0	--
	End Use Not Reported	4	35	0	*	*	*	0	4
325992	Photographic Film, Paper, Plate, and Chemicals								
	<b>TOTAL FUEL CONSUMPTION</b>	20	1,377	*	*	6	*	*	*
	<b>Indirect Uses-Boiler Fuel</b>	--	19	*	*	5	0	*	--
	Conventional Boiler Use	--	19	0	*	3	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	2	0	*	--
	<b>Direct Uses-Total Process</b>	--	784	0	*	1	*	0	--
	Process Heating	--	42	0	0	1	0	0	--
	Process Cooling and Refrigeration	--	225	0	0	0	0	0	--
	Machine Drive	--	413	0	*	*	*	0	--
	Electro-Chemical Processes	--	79	--	--	--	--	--	--
	Other Process Use	--	24	0	*	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	517	0	*	*	*	0	--
	Facility HVAC (g)	--	324	0	*	*	*	0	--
	Facility Lighting	--	141	--	--	--	--	--	--
	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	1	56	0	0	*	0	0	*
326	PLASTICS AND RUBBER PRODUCTS								
	<b>TOTAL FUEL CONSUMPTION</b>	272	45,797	*	*	101	1	*	Q
	<b>Indirect Uses-Boiler Fuel</b>	--	431	*	*	43	*	*	--
	Conventional Boiler Use	--	431	*	*	19	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	23	*	*	--
	<b>Direct Uses-Total Process</b>	--	34,983	0	*	36	*	0	--
	Process Heating	--	8,430	0	0	33	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	5,139	0	0	*	*	0	--
	Machine Drive	--	19,822	0	*	Q	*	0	--
	Electro-Chemical Processes	--	178	--	--	--	--	--	--
	Other Process Use	--	1,415	0	0	Q	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	9,535	0	*	23	*	0	--
	Facility HVAC (g)	--	4,543	0	*	21	*	0	--
	Facility Lighting	--	3,853	--	--	--	--	--	--
	Other Facility Support	--	898	0	*	1	*	0	--
	Onsite Transportation	--	135	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	106	0	*	Q	*	0	--
	<b>End Use Not Reported</b>	Q	Q	0	*	*	*	0	Q
<b>327</b>	<b>NONMETALLIC MINERAL PRODUCTS</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	711	32,576	*	4	265	1	10	83
	<b>Indirect Uses-Boiler Fuel</b>	--	113	*	*	10	*	*	--
	Conventional Boiler Use	--	113	0	*	3	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	7	*	*	--
	<b>Direct Uses-Total Process</b>	--	27,942	*	2	232	*	10	--
	Process Heating	--	8,617	*	*	229	*	10	--
	Process Cooling and Refrigeration	--	950	0	*	Q	0	0	--
	Machine Drive	--	17,510	*	2	2	*	0	--
	Electro-Chemical Processes	--	274	--	--	--	--	--	--
	Other Process Use	--	591	0	*	*	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	4,168	*	2	17	*	*	--
	Facility HVAC (g)	--	1,913	*	*	15	*	*	--
	Facility Lighting	--	1,766	--	--	--	--	--	--
	Other Facility Support	--	413	*	*	1	*	0	--
	Onsite Transportation	--	32	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	*	0	--
	Other Nonprocess Use	--	44	0	*	*	*	*	--
	<b>End Use Not Reported</b>	91	354	0	*	6	*	0	83
<b>327121</b>	<b>Brick and Structural Clay Tile</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	20	576	*	*	15	*	*	1
	<b>Indirect Uses-Boiler Fuel</b>	--	1	0	0	*	0	0	--
	Conventional Boiler Use	--	1	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	2	Q	0	0	*	*	0	1
327211	Flat Glass								
	<b>TOTAL FUEL CONSUMPTION</b>	49	1,660	0	*	42	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	5	0	0	*	0	0	--
	Conventional Boiler Use	--	5	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	--
	End Use Not Reported	*	*	0	0	0	*	0	*
327212	Other Pressed and Blown Glass and Glassware								
	<b>TOTAL FUEL CONSUMPTION</b>	37	2,563	0	*	27	*	0	Q
	<b>Indirect Uses-Boiler Fuel</b>	--	3	0	*	1	*	0	--
	Conventional Boiler Use	--	3	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	*	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	2	1	0	0	1	*	0	Q
327213	Glass Containers								
	<b>TOTAL FUEL CONSUMPTION</b>	59	3,604	0	*	45	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	3	0	0	*	0	0	--
	Conventional Boiler Use	--	3	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	3,268	0	*	42	*	0	--
	Process Heating	--	1,417	0	*	42	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

Level: National Data;  
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 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	61	0	0	*	0	0	--
	Machine Drive	--	1,734	0	*	*	*	0	--
	Electro-Chemical Processes	--	17	--	--	--	--	--	--
	Other Process Use	--	39	0	0	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	*
<b>327215</b>	<b>Glass Products from Purchased Glass</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	14	2,642	0	*	4	*	*	*
	<b>Indirect Uses-Boiler Fuel</b>	--	6	0	0	*	0	0	--
	Conventional Boiler Use	--	6	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	2,012	0	*	3	*	0	--
	Process Heating	--	1,016	0	*	3	*	0	--
	Process Cooling and Refrigeration	--	137	0	0	*	0	0	--
	Machine Drive	--	707	0	*	*	*	0	--
	Electro-Chemical Processes	--	24	--	--	--	--	--	--
	Other Process Use	--	128	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	*
<b>327310</b>	<b>Cements</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	246	9,205	*	*	12	*	6	63
	<b>Indirect Uses-Boiler Fuel</b>	--	16	0	0	*	*	0	--
	Conventional Boiler Use	--	16	0	0	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	<b>Direct Uses-Total Process</b>	--	8,576	*	*	12	*	6	--
	Process Heating	--	1,832	*	*	12	*	6	--
	Process Cooling and Refrigeration	--	132	0	0	0	0	0	--
	Machine Drive	--	6,427	0	*	*	*	0	--
	Electro-Chemical Processes	--	39	--	--	--	--	--	--
	Other Process Use	--	146	0	*	0	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	607	0	*	*	*	0	--
	Facility HVAC (g)	--	315	0	*	*	*	0	--
	Facility Lighting	--	219	--	--	--	--	--	--
	Other Facility Support	--	65	0	*	*	*	0	--
	Onsite Transportation	--	1	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	6	0	*	*	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	63	6	0	0	0	*	0	63
327410	Lime								
	<b>TOTAL FUEL CONSUMPTION</b>	101	1,502	*	1	3	*	3	11
	<b>Indirect Uses-Boiler Fuel</b>	--	5	0	0	*	0	0	--
	Conventional Boiler Use	--	5	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--	--	--	--	--	--
	Other Process Use	--	43	0	*	0	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	11	1	0	0	0	*	0	11
327420	Gypsum								
	<b>TOTAL FUEL CONSUMPTION</b>	44	1,384	*	*	38	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	1	0	0	1	0	0	--
	Conventional Boiler Use	--	1	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	1,181	0	*	35	*	0	--
	Process Heating	--	54	0	*	34	*	0	--
	Process Cooling and Refrigeration	--	14	0	0	0	0	0	--
	Machine Drive	--	1,111	0	*	1	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	4	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	189	*	*	2	*	0	--
	Facility HVAC (g)	--	63	*	*	2	*	0	--
	Facility Lighting	--	96	--	--	--	--	--	--
	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								
	<b>TOTAL FUEL CONSUMPTION</b>	39	3,419	0	*	24	*	0	3
	<b>Indirect Uses-Boiler Fuel</b>	--	2	0	*	1	0	0	--
	Conventional Boiler Use	--	2	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	2,947	0	*	20	*	0	--
	Process Heating	--	1,439	0	*	20	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	<b>End Use Not Reported</b>	3	0	0	0	0	0	0	3
<b>331</b>	<b>PRIMARY METALS</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	1,655	117,284	*	2	522	1	1	682
	<b>Indirect Uses-Boiler Fuel</b>	--	290	*	*	62	*	0	--
	Conventional Boiler Use	--	290	*	*	21	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	40	*	0	--
	<b>Direct Uses-Total Process</b>	--	106,334	*	*	422	*	1	--
	Process Heating	--	37,624	*	*	392	*	1	--
	Process Cooling and Refrigeration	--	1,390	0	*	3	*	0	--
	Machine Drive	--	32,532	*	*	12	*	0	--
	Electro-Chemical Processes	--	31,070	--	--	--	--	--	--
	Other Process Use	--	3,718	0	*	16	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	10,119	*	1	37	*	*	--
	Facility HVAC (g)	--	4,380	*	*	32	*	0	--
	Facility Lighting	--	4,027	--	--	--	--	--	--
	Other Facility Support	--	1,105	0	*	3	*	0	--
	Onsite Transportation	--	75	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	532	0	*	1	*	*	--
	<b>End Use Not Reported</b>	686	540	0	*	Q	*	0	682
<b>331111</b>	<b>Iron and Steel Mills</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	1,158	50,360	*	1	316	*	1	633
	<b>Indirect Uses-Boiler Fuel</b>	--	51	*	*	37	*	0	--
	Conventional Boiler Use	--	51	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	W	*	0	--
	<b>Direct Uses-Total Process</b>	--	45,213	0	*	264	*	1	--
	Process Heating	--	23,547	0	*	245	*	1	--
	Process Cooling and Refrigeration	--	598	0	*	2	*	0	--
	Machine Drive	--	18,479	0	*	6	*	0	--
	Electro-Chemical Processes	--	1,274	--	--	--	--	--	--
	Other Process Use	--	1,315	0	*	11	*	*	--
	<b>Direct Uses-Total Nonprocess</b>	--	4,648	0	1	15	*	*	--
	Facility HVAC (g)	--	1,930	0	*	12	*	0	--
	Facility Lighting	--	1,868	--	--	--	--	--	--
	Other Facility Support	--	495	0	*	2	*	0	--
	Onsite Transportation	--	10	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	346	0	*	1	*	*	--



**Table 5.1 End Uses of Fuel Consumption, 2010;**

Level: National Data;  
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 Column: Energy Sources, including Net Electricity;  
 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	634	448	0	*	*	*	0	633
331112	Electrometallurgical Ferroalloy Products								
	<b>TOTAL FUEL CONSUMPTION</b>	13	3,158	0	*	1	*	0	1
	<b>Indirect Uses-Boiler Fuel</b>	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	1	*	0	0	0	*	0	1
3312	Steel Products from Purchased Steel								
	<b>TOTAL FUEL CONSUMPTION</b>	44	5,270	*	*	18	*	0	7
	<b>Indirect Uses-Boiler Fuel</b>	--	13	0	*	2	*	0	--
	Conventional Boiler Use	--	13	0	0	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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	8	Q	0	0	*	*	0	7
3313	Alumina and Aluminum								
	<b>TOTAL FUEL CONSUMPTION</b>	219	34,041	*	*	93	*	0	5
	<b>Indirect Uses-Boiler Fuel</b>	--	45	*	*	12	*	0	--
	Conventional Boiler Use	--	45	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	<b>Direct Uses-Total Process</b>	--	32,736	*	*	76	*	0	--
	Process Heating	--	1,244	*	*	71	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	163	0	*	*	0	0	--
	Machine Drive	--	4,961	0	*	5	*	0	--
	Electro-Chemical Processes	--	26,268	--	--	--	--	--	--
	Other Process Use	--	101	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,259	0	*	4	*	0	--
	Facility HVAC (g)	--	449	0	*	4	*	0	--
	Facility Lighting	--	570	--	--	--	--	--	--
	Other Facility Support	--	189	0	0	*	*	0	--
	Onsite Transportation	--	49	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	2	0	*	*	*	0	--
	<b>End Use Not Reported</b>	5	1	0	*	*	*	0	5
<b>331314</b>	<b>Secondary Smelting and Alloying of Aluminum</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	24	2,638	*	*	14	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	1	0	0	1	0	0	--
	Conventional Boiler Use	--	1	0	0	0	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	94	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	--
	<b>End Use Not Reported</b>	*	*	0	*	*	*	0	*
<b>331315</b>	<b>Aluminum Sheet, Plate and Foils</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	57	4,134	*	*	39	*	0	2
	<b>Indirect Uses-Boiler Fuel</b>	--	2	*	0	W	0	0	--
	Conventional Boiler Use	--	2	*	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	394	0	*	W	*	0	--
	Facility HVAC (g)	--	161	0	*	W	*	0	--
	Facility Lighting	--	163	--	--	--	--	--	--
	Other Facility Support	--	64	0	0	*	*	0	--
	Onsite Transportation	--	6	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	1	0	*	0	0	0	--

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 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	2	*	0	0	*	*	0	2
331316	Aluminum Extruded Products								
	<b>TOTAL FUEL CONSUMPTION</b>	16	1,411	0	*	11	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	3	0	0	W	*	0	--
	Conventional Boiler Use	--	3	0	0	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	<b>Direct Uses-Total Process</b>	--	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	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								
	<b>TOTAL FUEL CONSUMPTION</b>	123	13,301	*	*	50	*	0	25
	<b>Indirect Uses-Boiler Fuel</b>	--	121	0	*	9	*	0	--
	Conventional Boiler Use	--	121	0	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	5	*	0	--
	<b>Direct Uses-Total Process</b>	--	12,001	0	*	36	*	0	--
	Process Heating	--	5,122	0	*	33	*	0	--
	Process Cooling and Refrigeration	--	314	0	*	*	*	0	--
	Machine Drive	--	3,103	0	*	*	*	0	--
	Electro-Chemical Processes	--	1,768	--	--	--	--	--	--
	Other Process Use	--	1,693	0	*	3	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,157	*	*	4	*	0	--
	Facility HVAC (g)	--	558	*	*	4	*	0	--
	Facility Lighting	--	406	--	--	--	--	--	--
	Other Facility Support	--	96	0	0	*	*	0	--
	Onsite Transportation	--	5	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	91	0	*	0	*	0	--
	End Use Not Reported	26	21	0	0	Q	*	0	25
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum								
	<b>TOTAL FUEL CONSUMPTION</b>	59	7,341	0	*	12	*	0	22
	<b>Indirect Uses-Boiler Fuel</b>	--	29	0	*	1	0	0	--
	Conventional Boiler Use	--	29	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	6,971	0	*	10	*	0	--
	Process Heating	--	3,506	0	*	8	*	0	--

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 Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	185	0	0	*	*	0	--
	Machine Drive	--	453	0	*	0	*	0	--
	Electro-Chemical Processes	--	1,293	--	--	--	--	--	--
	Other Process Use	--	1,534	0	*	3	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	339	0	*	*	*	0	--
	Facility HVAC (g)	--	144	0	*	*	*	0	--
	Facility Lighting	--	91	--	--	--	--	--	--
	Other Facility Support	--	13	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	91	0	*	0	*	0	--
	<b>End Use Not Reported</b>	22	1	0	0	*	*	0	22
<b>3315</b>	<b>Foundries</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	97	11,154	0	*	45	*	0	11
	<b>Indirect Uses-Boiler Fuel</b>	--	60	0	*	1	*	0	--
	Conventional Boiler Use	--	60	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	<b>Direct Uses-Total Process</b>	--	8,979	0	*	33	*	0	--
	Process Heating	--	5,039	0	*	31	*	0	--
	Process Cooling and Refrigeration	--	210	0	*	*	0	0	--
	Machine Drive	--	3,102	0	*	*	*	0	--
	Electro-Chemical Processes	--	81	--	--	--	--	--	--
	Other Process Use	--	546	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	2,054	0	*	10	*	0	--
	Facility HVAC (g)	--	1,094	0	*	9	*	0	--
	Facility Lighting	--	702	--	--	--	--	--	--
	Other Facility Support	--	189	0	*	1	*	0	--
	Onsite Transportation	--	7	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	61	0	*	*	*	0	--
	<b>End Use Not Reported</b>	12	61	0	0	*	*	0	11
<b>331511</b>	<b>Iron Foundries</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	45	5,675	0	*	14	*	0	11
	<b>Indirect Uses-Boiler Fuel</b>	--	36	0	*	*	*	0	--
	Conventional Boiler Use	--	36	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	4,478	0	*	9	*	0	--
	Process Heating	--	2,972	0	*	8	*	0	--
	Process Cooling and Refrigeration	--	53	0	0	0	0	0	--
	Machine Drive	--	1,376	0	*	*	*	0	--
	Electro-Chemical Processes	--	17	--	--	--	--	--	--
	Other Process Use	--	60	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,133	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	--

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	End Use Not Reported	11	28	0	0	0	*	0	11
331521	Aluminum Die-Casting Foundries								
	<b>TOTAL FUEL CONSUMPTION</b>	16	1,285	0	*	11	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	*	0	0	*	*	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	*	0	--
	<b>Direct Uses-Total Process</b>	--	995	0	*	8	*	0	--
	Process Heating	--	310	0	0	8	*	0	--
	Process Cooling and Refrigeration	--	31	0	0	0	0	0	--
	Machine Drive	--	612	0	*	*	*	0	--
	Electro-Chemical Processes	--	4	--	--	--	--	--	--
	Other Process Use	--	39	0	*	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	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								
	<b>TOTAL FUEL CONSUMPTION</b>	11	857	0	*	8	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	10	0	0	*	*	0	--
	Conventional Boiler Use	--	10	0	0	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	<b>Direct Uses-Total Process</b>	--	649	0	*	6	*	0	--
	Process Heating	--	299	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	--
	<b>Direct Uses-Total Nonprocess</b>	--	193	0	*	1	*	0	--
	Facility HVAC (g)	--	100	0	*	1	*	0	--
	Facility Lighting	--	75	--	--	--	--	--	--
	Other Facility Support	--	19	0	*	*	*	0	--
	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								
	<b>TOTAL FUEL CONSUMPTION</b>	301	37,206	*	*	158	1	*	Q
	<b>Indirect Uses-Boiler Fuel</b>	--	108	0	*	20	*	0	--
	Conventional Boiler Use	--	108	0	0	11	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	10	*	0	--
	<b>Direct Uses-Total Process</b>	--	26,179	0	*	91	*	0	--
	Process Heating	--	7,788	0	*	89	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	1,243	0	0	*	*	0	--
	Machine Drive	--	15,142	0	*	1	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	989	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	8,625	0	*	29	1	*	--
	Facility HVAC (g)	--	3,531	0	*	28	*	*	--
	Facility Lighting	--	4,012	--	--	--	--	--	--
	Other Facility Support	--	889	0	*	2	*	0	--
	Onsite Transportation	--	140	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	Q	0	*	0	*	0	--
	<b>End Use Not Reported</b>	Q	2,292	*	*	Q	*	0	Q
<b>333</b>	<b>MACHINERY</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	148	20,386	*	1	69	1	0	1
	<b>Indirect Uses-Boiler Fuel</b>	--	Q	*	*	6	*	0	--
	Conventional Boiler Use	--	Q	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	<b>Direct Uses-Total Process</b>	--	11,660	0	*	29	*	0	--
	Process Heating	--	2,318	0	*	28	*	0	--
	Process Cooling and Refrigeration	--	545	0	0	*	0	0	--
	Machine Drive	--	8,176	0	*	1	*	0	--
	Electro-Chemical Processes	--	76	--	--	--	--	--	--
	Other Process Use	--	545	0	*	Q	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	8,241	0	*	34	*	0	--
	Facility HVAC (g)	--	4,121	0	*	32	*	0	--
	Facility Lighting	--	3,013	--	--	--	--	--	--
	Other Facility Support	--	809	0	*	1	*	0	--
	Onsite Transportation	--	90	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	Q	0	*	*	*	0	--
	<b>End Use Not Reported</b>	3	289	0	0	Q	*	0	1
<b>334</b>	<b>COMPUTER AND ELECTRONIC PRODUCTS</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	144	29,503	*	*	41	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	211	*	*	14	0	0	--
	Conventional Boiler Use	--	211	0	*	11	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	<b>Direct Uses-Total Process</b>	--	14,132	0	*	6	*	0	--
	Process Heating	--	2,861	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	2,575	0	0	0	0	0	--
	Machine Drive	--	6,771	0	*	*	*	0	--
	Electro-Chemical Processes	--	456	--	--	--	--	--	--
	Other Process Use	--	1,469	0	*	1	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	14,096	*	*	19	*	0	--
	Facility HVAC (g)	--	8,770	*	*	17	*	0	--
	Facility Lighting	--	3,539	--	--	--	--	--	--
	Other Facility Support	--	1,486	0	*	1	*	0	--
	Onsite Transportation	--	20	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	281	0	*	*	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	6	1,063	0	0	2	*	0	*
334413	Semiconductors and Related Devices								
	<b>TOTAL FUEL CONSUMPTION</b>	57	10,808	*	*	19	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	64	0	*	8	0	0	--
	Conventional Boiler Use	--	64	0	*	8	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	6,341	0	*	3	*	0	--
	Process Heating	--	1,163	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	1,167	0	0	0	0	0	--
	Machine Drive	--	2,522	0	*	*	*	0	--
	Electro-Chemical Processes	--	378	--	--	--	--	--	--
	Other Process Use	--	1,111	0	*	1	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	3,589	*	*	6	*	0	--
	Facility HVAC (g)	--	2,535	*	*	5	*	0	--
	Facility Lighting	--	616	--	--	--	--	--	--
	Other Facility Support	--	276	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	163	0	*	*	*	0	--
	End Use Not Reported	5	813	0	0	2	*	0	*
335	ELEC. EQUIP., APPLIANCES, COMPONENTS								
	<b>TOTAL FUEL CONSUMPTION</b>	74	10,689	*	*	35	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	119	*	*	6	*	0	--
	Conventional Boiler Use	--	119	*	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	3	*	0	--
	<b>Direct Uses-Total Process</b>	--	7,055	*	*	20	*	0	--
	Process Heating	--	1,611	0	*	19	*	0	--
	Process Cooling and Refrigeration	--	468	0	0	*	0	0	--
	Machine Drive	--	4,005	*	*	*	*	0	--
	Electro-Chemical Processes	--	571	--	--	--	--	--	--
	Other Process Use	--	400	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	3,506	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	1	Q	0	0	1	*	0	*
336	TRANSPORTATION EQUIPMENT								
	<b>TOTAL FUEL CONSUMPTION</b>	275	38,832	*	*	123	1	*	5
	<b>Indirect Uses-Boiler Fuel</b>	--	277	*	*	29	*	*	--
	Conventional Boiler Use	--	277	*	*	13	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	16	*	0	--
	<b>Direct Uses-Total Process</b>	--	22,236	*	*	50	*	0	--
	Process Heating	--	4,127	*	*	42	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Cooling and Refrigeration	--	1,899	*	*	*	0	0	--
	Machine Drive	--	13,937	0	*	*	*	0	--
	Electro-Chemical Processes	--	799	--	--	--	--	--	--
	Other Process Use	--	1,475	0	*	7	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	14,959	*	*	43	*	0	--
	Facility HVAC (g)	--	7,262	*	*	39	*	0	--
	Facility Lighting	--	5,674	--	--	--	--	--	--
	Other Facility Support	--	1,352	*	*	2	*	0	--
	Onsite Transportation	--	233	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	438	0	*	*	*	0	--
	<b>End Use Not Reported</b>	12	1,360	*	*	1	*	0	5
<b>336111</b>	<b>Automobiles</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	28	3,027	0	*	15	*	*	1
	<b>Indirect Uses-Boiler Fuel</b>	--	24	0	*	3	*	*	--
	Conventional Boiler Use	--	24	0	*	2	*	*	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	1,828	0	*	8	*	0	--
	Process Heating	--	243	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	171	0	0	0	0	0	--
	Machine Drive	--	1,215	0	*	0	*	0	--
	Electro-Chemical Processes	--	53	--	--	--	--	--	--
	Other Process Use	--	146	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,175	0	*	4	*	0	--
	Facility HVAC (g)	--	591	0	0	3	*	0	--
	Facility Lighting	--	455	--	--	--	--	--	--
	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	--
	<b>End Use Not Reported</b>	1	0	0	0	0	0	0	1
<b>336112</b>	<b>Light Trucks and Utility Vehicles</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	38	3,620	0	*	22	*	*	1
	<b>Indirect Uses-Boiler Fuel</b>	--	48	0	*	5	0	*	--
	Conventional Boiler Use	--	48	0	0	2	0	*	--
	CHP and/or Cogeneration Process	--	0	0	*	3	0	0	--
	<b>Direct Uses-Total Process</b>	--	2,324	0	*	12	*	0	--
	Process Heating	--	219	0	0	10	0	0	--
	Process Cooling and Refrigeration	--	337	0	0	*	0	0	--
	Machine Drive	--	1,581	0	*	*	*	0	--
	Electro-Chemical Processes	--	32	--	--	--	--	--	--
	Other Process Use	--	155	0	*	1	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,248	0	*	6	*	0	--
	Facility HVAC (g)	--	695	0	0	5	*	0	--
	Facility Lighting	--	405	--	--	--	--	--	--
	Other Facility Support	--	94	0	*	*	*	0	--
	Onsite Transportation	--	28	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	26	0	*	0	*	0	--



**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	End Use Not Reported	1	0	0	0	0	0	0	1
3364	Aerospace Products								
	<b>TOTAL FUEL CONSUMPTION</b>	67	9,501	*	*	29	*	*	2
	<b>Indirect Uses-Boiler Fuel</b>	--	78	*	*	14	*	*	--
	Conventional Boiler Use	--	78	*	*	7	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	7	*	0	--
	<b>Direct Uses-Total Process</b>	--	4,265	*	*	5	*	0	--
	Process Heating	--	1,197	*	*	5	*	0	--
	Process Cooling and Refrigeration	--	600	*	*	*	0	0	--
	Machine Drive	--	2,090	0	*	*	*	0	--
	Electro-Chemical Processes	--	178	--	--	--	--	--	--
	Other Process Use	--	199	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	4,958	*	*	10	*	0	--
	Facility HVAC (g)	--	2,492	*	*	9	*	0	--
	Facility Lighting	--	1,823	--	--	--	--	--	--
	Other Facility Support	--	555	*	*	1	*	0	--
	Onsite Transportation	--	36	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	Q	0	0	--
	Other Nonprocess Use	--	52	0	*	*	*	0	--
	End Use Not Reported	4	199	*	0	*	*	0	2
336411	Aircraft								
	<b>TOTAL FUEL CONSUMPTION</b>	19	2,630	*	*	9	*	0	*
	<b>Indirect Uses-Boiler Fuel</b>	--	26	*	*	5	*	0	--
	Conventional Boiler Use	--	26	*	*	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	0	0	--
	<b>Direct Uses-Total Process</b>	--	751	*	*	1	*	0	--
	Process Heating	--	142	*	*	1	*	0	--
	Process Cooling and Refrigeration	--	153	*	0	*	0	0	--
	Machine Drive	--	419	0	*	*	*	0	--
	Electro-Chemical Processes	--	8	--	--	--	--	--	--
	Other Process Use	--	29	0	0	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,679	*	*	3	*	0	--
	Facility HVAC (g)	--	862	*	*	3	*	0	--
	Facility Lighting	--	632	--	--	--	--	--	--
	Other Facility Support	--	146	*	0	*	*	0	--
	Onsite Transportation	--	24	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	16	0	*	0	*	0	--
	End Use Not Reported	1	174	0	0	0	*	0	*
337	FURNITURE AND RELATED PRODUCTS								
	<b>TOTAL FUEL CONSUMPTION</b>	36	4,960	0	*	13	*	*	4
	<b>Indirect Uses-Boiler Fuel</b>	--	51	0	0	1	0	*	--
	Conventional Boiler Use	--	51	0	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	<b>Direct Uses-Total Process</b>	--	2,738	0	*	5	*	0	--

**Table 5.1 End Uses of Fuel Consumption, 2010;**

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

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
	Process Heating	--	246	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	62	0	0	0	0	0	--
	Machine Drive	--	2,310	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	91	0	0	*	0	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	1,988	0	*	6	*	*	--
	Facility HVAC (g)	--	883	0	*	6	*	*	--
	Facility Lighting	--	829	--	--	--	--	--	--
	Other Facility Support	--	213	0	0	*	*	0	--
	Onsite Transportation	--	35	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	27	0	*	0	*	0	--
	<b>End Use Not Reported</b>	5	183	0	*	*	*	0	4
<b>339</b>	<b>MISCELLANEOUS</b>								
	<b>TOTAL FUEL CONSUMPTION</b>	43	7,598	*	*	15	*	*	*
	<b>Indirect Uses-Boiler Fuel</b>	--	55	0	*	5	*	0	--
	Conventional Boiler Use	--	55	0	*	2	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	<b>Direct Uses-Total Process</b>	--	4,056	0	*	4	*	0	--
	Process Heating	--	829	0	*	4	*	0	--
	Process Cooling and Refrigeration	--	353	0	0	*	0	0	--
	Machine Drive	--	2,254	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	215	0	*	*	*	0	--
	<b>Direct Uses-Total Nonprocess</b>	--	3,380	*	*	6	*	*	--
	Facility HVAC (g)	--	1,932	*	*	6	*	*	--
	Facility Lighting	--	1,074	--	--	--	--	--	--
	Other Facility Support	--	328	0	*	*	*	0	--
	Onsite Transportation	--	Q	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	Q	0	*	*	*	0	--
	<b>End Use Not Reported</b>	*	Q	0	0	*	*	0	*

(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).

(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

**Table 5.1 End Uses of Fuel Consumption, 2010;**

**Level: National Data;**  
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**Column: Energy Sources, including Net Electricity;**  
**Unit: Physical Units or Btu.**

NAICS Code(a)	End Use	Total (trillion Btu)	Net 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(f) (trillion Btu)
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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: 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 and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'