

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
Total United States									
311 - 339	ALL MANUFACTURING INDUSTRIES								
	TOTAL FUEL CONSUMPTION	14,228	2,437	79	130	5,211	69	868	5,435
	Indirect Uses-Boiler Fuel	--	27	46	19	2,134	10	572	--
	Conventional Boiler Use	--	27	20	4	733	3	72	--
	CHP and/or Cogeneration Process	--	0	26	15	1,401	7	500	--
	Direct Uses-Total Process	--	1,912	26	54	2,623	29	289	--
	Process Heating	--	297	25	14	2,362	24	280	--
	Process Cooling and Refrigeration	--	182	*	Q	25	*	0	--
	Machine Drive	--	1,185	*	28	120	3	1	--
	Electro-Chemical Processes	--	189	--	--	--	--	--	--
	Other Process Use	--	59	*	10	117	1	8	--
	Direct Uses-Total Nonprocess	--	448	3	52	368	26	6	--
	Facility HVAC (g)	--	222	Q	4	306	4	3	--
	Facility Lighting	--	165	--	--	--	--	--	--
	Other Facility Support	--	47	*	1	36	3	*	--
	Onsite Transportation	--	5	--	39	1	17	--	--
	Conventional Electricity Generation	--	--	1	3	19	*	1	--
	Other Nonprocess Use	--	9	*	4	7	1	1	--
	End Use Not Reported	5,585	50	5	5	86	4	1	5,435
311	FOOD								
	TOTAL FUEL CONSUMPTION	1,158	257	12	22	579	6	182	101
	Indirect Uses-Boiler Fuel	--	7	10	3	334	2	162	--
	Conventional Boiler Use	--	7	5	1	164	*	25	--
	CHP and/or Cogeneration Process	--	0	4	2	170	1	137	--
	Direct Uses-Total Process	--	198	1	7	189	2	18	--
	Process Heating	--	12	1	Q	175	1	17	--
	Process Cooling and Refrigeration	--	72	0	Q	2	*	0	--
	Machine Drive	--	112	*	*	4	*	*	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	1	*	Q	7	*	1	--
	Direct Uses-Total Nonprocess	--	48	*	10	50	2	1	--
	Facility HVAC (g)	--	20	*	Q	33	*	*	--
	Facility Lighting	--	20	--	--	--	--	--	--
	Other Facility Support	--	6	*	*	16	*	*	--
	Onsite Transportation	--	1	--	5	*	1	--	--
	Conventional Electricity Generation	--	--	*	2	*	*	1	--
	Other Nonprocess Use	--	1	0	3	1	*	0	--
	End Use Not Reported	116	5	1	2	7	*	1	101
3112	Grain and Oilseed Milling								
	TOTAL FUEL CONSUMPTION	350	56	*	1	121	*	126	45
	Indirect Uses-Boiler Fuel	--	2	*	*	70	*	115	--
	Conventional Boiler Use	--	2	*	*	38	*	17	--
	CHP and/or Cogeneration Process	--	0	*	*	32	0	99	--
	Direct Uses-Total Process	--	47	*	*	47	*	9	--
	Process Heating	--	1	*	0	44	*	8	--
	Process Cooling and Refrigeration	--	6	0	0	*	0	0	--
	Machine Drive	--	40	*	*	1	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	0	1	--
	Direct Uses-Total Nonprocess	--	6	*	*	3	*	1	--
	Facility HVAC (g)	--	2	*	*	3	*	*	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	*	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	1	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
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 Column: Energy Sources, including Net Electricity;
 Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	48	Q	0	*	1	*	1	45
311221	Wet Corn Milling								
	TOTAL FUEL CONSUMPTION	214	25	*	*	53	*	110	25
	Indirect Uses-Boiler Fuel	--	1	0	*	23	0	102	--
	Conventional Boiler Use	--	1	0	0	15	0	13	--
	CHP and/or Cogeneration Process	--	0	0	*	8	0	90	--
	Direct Uses-Total Process	--	22	*	*	29	*	8	--
	Process Heating	--	*	*	0	29	*	8	--
	Process Cooling and Refrigeration	--	4	0	0	0	0	0	--
	Machine Drive	--	18	*	*	*	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	2	*	*	1	*	0	--
	Facility HVAC (g)	--	1	*	*	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	End Use Not Reported	25	0	0	0	0	*	0	25
31131	Sugar								
	TOTAL FUEL CONSUMPTION	107	4	1	1	15	*	49	37
	Indirect Uses-Boiler Fuel	--	*	1	*	12	*	40	--
	Conventional Boiler Use	--	*	*	0	3	*	3	--
	CHP and/or Cogeneration Process	--	0	1	*	9	*	37	--
	Direct Uses-Total Process	--	3	0	*	3	*	8	--
	Process Heating	--	*	0	0	3	0	8	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	3	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	1	*	1	*	*	*	--
	Facility HVAC (g)	--	*	0	0	*	*	*	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	*	*	*	*	*	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	37	0	0	*	0	*	0	37
3114	Fruit and Vegetable Preserving and Specialty Foods								
	TOTAL FUEL CONSUMPTION	143	31	1	Q	100	1	2	4
	Indirect Uses-Boiler Fuel	--	1	1	*	66	*	2	--
	Conventional Boiler Use	--	1	1	*	34	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	32	*	1	--
	Direct Uses-Total Process	--	24	*	Q	23	*	0	--
	Process Heating	--	1	*	Q	22	*	0	--
	Process Cooling and Refrigeration	--	12	0	*	*	*	0	--
	Machine Drive	--	11	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	6	*	1	9	1	0	--
	Facility HVAC (g)	--	2	*	*	8	*	0	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	1	*	1	--	--

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NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	6	*	0	*	1	*	0	4
3115	Dairy Products								
	TOTAL FUEL CONSUMPTION	105	33	2	2	66	1	*	2
	Indirect Uses-Boiler Fuel	--	1	1	1	41	*	*	--
	Conventional Boiler Use	--	1	1	*	17	*	*	--
	CHP and/or Cogeneration Process	--	0	*	1	24	*	0	--
	Direct Uses-Total Process	--	25	*	*	19	*	0	--
	Process Heating	--	1	*	*	16	*	0	--
	Process Cooling and Refrigeration	--	12	0	*	*	0	0	--
	Machine Drive	--	12	0	*	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	*	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	6	*	1	5	*	0	--
	Facility HVAC (g)	--	2	*	*	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	5	1	Q	*	2	*	0	2
3116	Animal Slaughtering and Processing								
	TOTAL FUEL CONSUMPTION	212	69	5	3	125	2	Q	8
	Indirect Uses-Boiler Fuel	--	2	4	1	80	Q	0	--
	Conventional Boiler Use	--	2	2	*	45	*	0	--
	CHP and/or Cogeneration Process	--	0	2	1	35	Q	0	--
	Direct Uses-Total Process	--	53	*	*	29	1	Q	--
	Process Heating	--	3	*	*	25	1	Q	--
	Process Cooling and Refrigeration	--	29	0	*	1	*	0	--
	Machine Drive	--	20	0	*	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	13	*	2	15	*	0	--
	Facility HVAC (g)	--	5	*	*	9	*	0	--
	Facility Lighting	--	6	--	--	--	--	--	--
	Other Facility Support	--	2	*	*	6	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	11	1	*	*	1	*	0	8
312	BEVERAGE AND TOBACCO PRODUCTS								
	TOTAL FUEL CONSUMPTION	86	29	1	1	38	1	10	7
	Indirect Uses-Boiler Fuel	--	1	*	*	24	*	5	--
	Conventional Boiler Use	--	1	*	*	9	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	15	*	4	--
	Direct Uses-Total Process	--	20	*	1	9	*	4	--
	Process Heating	--	2	*	*	9	*	4	--
	Process Cooling and Refrigeration	--	8	0	0	*	*	0	--
	Machine Drive	--	10	0	*	*	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	*	--
	Direct Uses-Total Nonprocess	--	6	*	*	4	1	1	--
	Facility HVAC (g)	--	3	*	*	3	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	*	--

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NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Onsite Transportation	--	*	--	*	*		1	--
	Conventional Electricity Generation	--	--	0	*	0		0	*
	Other Nonprocess Use	--	*	0	*	*		*	*
	End Use Not Reported	10	3	0	*	*		*	0
3121	Beverages								
	TOTAL FUEL CONSUMPTION	77	25	*	1	34		1	8
	Indirect Uses-Boiler Fuel	--	*	*	*	21		*	3
	Conventional Boiler Use	--	*	*	*	8		*	*
	CHP and/or Cogeneration Process	--	0	*	*	13		*	3
	Direct Uses-Total Process	--	17	*	1	9		*	4
	Process Heating	--	1	*	*	8		*	4
	Process Cooling and Refrigeration	--	7	0	0	*		*	0
	Machine Drive	--	9	0	*	*		*	*
	Electro-Chemical Processes	--	*	--	--	--		--	--
	Other Process Use	--	*	0	*	*		0	*
	Direct Uses-Total Nonprocess	--	5	*	*	4		1	1
	Facility HVAC (g)	--	2	*	*	3		*	*
	Facility Lighting	--	2	--	--	--		--	--
	Other Facility Support	--	*	0	*	*		*	*
	Onsite Transportation	--	*	--	*	*		1	--
	Conventional Electricity Generation	--	--	0	*	0		0	*
	Other Nonprocess Use	--	*	0	*	*		*	*
	End Use Not Reported	10	3	0	*	*		*	0
3122	Tobacco								
	TOTAL FUEL CONSUMPTION	9	3	*	*	4		*	2
	Indirect Uses-Boiler Fuel	--	*	*	*	3		*	2
	Conventional Boiler Use	--	*	*	*	1		*	1
	CHP and/or Cogeneration Process	--	0	0	*	2		*	1
	Direct Uses-Total Process	--	2	*	*	*		*	0
	Process Heating	--	*	*	*	*		*	0
	Process Cooling and Refrigeration	--	*	0	0	*		0	0
	Machine Drive	--	1	0	0	*		*	0
	Electro-Chemical Processes	--	0	--	--	--		--	--
	Other Process Use	--	*	0	0	*		0	0
	Direct Uses-Total Nonprocess	--	1	*	*	*		*	0
	Facility HVAC (g)	--	1	*	*	*		*	0
	Facility Lighting	--	*	--	--	--		--	--
	Other Facility Support	--	*	0	0	*		0	0
	Onsite Transportation	--	*	--	*	0		*	--
	Conventional Electricity Generation	--	--	0	*	0		0	0
	Other Nonprocess Use	--	*	0	*	*		*	0
	End Use Not Reported	*	0	0	0	0		0	0
313	TEXTILE MILLS								
	TOTAL FUEL CONSUMPTION	95	45	2	Q	31		1	8
	Indirect Uses-Boiler Fuel	--	1	1	*	17		*	7
	Conventional Boiler Use	--	1	*	*	8		*	Q
	CHP and/or Cogeneration Process	--	0	1	*	9		*	2
	Direct Uses-Total Process	--	34	Q	Q	11		*	Q
	Process Heating	--	3	Q	*	10		*	Q
	Process Cooling and Refrigeration	--	4	0	*	0		0	0
	Machine Drive	--	24	*	Q	*		*	*
	Electro-Chemical Processes	--	*	--	--	--		--	--
	Other Process Use	--	Q	*	*	*		*	0
	Direct Uses-Total Nonprocess	--	10	*	*	3		*	*
	Facility HVAC (g)	--	6	*	*	2		*	*
	Facility Lighting	--	4	--	--	--		--	--

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	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	8	1	0	0	1	*	0	6
314	TEXTILE PRODUCT MILLS								
	TOTAL FUEL CONSUMPTION	20	8	*	*	9	Q	Q	*
	Indirect Uses-Boiler Fuel	--	*	*	*	4	*	0	--
	Conventional Boiler Use	--	*	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	*	0	--
	Direct Uses-Total Process	--	5	0	*	3	*	Q	--
	Process Heating	--	1	0	*	3	*	Q	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	4	0	0	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	3	0	*	1	Q	*	--
	Facility HVAC (g)	--	1	0	*	1	*	*	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	0	0	*	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
315	APPAREL								
	TOTAL FUEL CONSUMPTION	6	4	0	*	2	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	*	1	*	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	Direct Uses-Total Process	--	2	0	0	1	*	0	--
	Process Heating	--	*	0	0	1	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	1	0	0	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	1	*	0	--
	Facility HVAC (g)	--	1	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	*	0	0	--
	Other Nonprocess Use	--	*	0	0	0	0	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
316	LEATHER AND ALLIED PRODUCTS								
	TOTAL FUEL CONSUMPTION	2	1	*	*	1	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	*	*	*	0	--
	Conventional Boiler Use	--	*	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	Direct Uses-Total Process	--	1	0	0	*	*	0	--
	Process Heating	--	*	0	0	*	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	*	0	0	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--

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	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	0	0	--
	Onsite Transportation	--	*	--	0	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--
	End Use Not Reported	*	*	*	0	*	*	0	*
321	WOOD PRODUCTS								
	TOTAL FUEL CONSUMPTION	470	52	*	22	34	3	1	357
	Indirect Uses-Boiler Fuel	--	1	*	Q	8	*	1	--
	Conventional Boiler Use	--	1	*	*	2	*	*	--
	CHP and/or Cogeneration Process	--	0	*	Q	6	*	*	--
	Direct Uses-Total Process	--	42	*	Q	22	1	*	--
	Process Heating	--	3	*	*	21	*	*	--
	Process Cooling and Refrigeration	--	1	0	0	*	*	0	--
	Machine Drive	--	38	0	Q	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	*	Q	*	*	0	--
	Direct Uses-Total Nonprocess	--	9	*	7	4	2	*	--
	Facility HVAC (g)	--	3	*	*	4	*	*	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	1	*	*	*	*	0	--
	Onsite Transportation	--	*	--	7	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	360	1	*	Q	*	*	0	357
321113	Sawmills								
	TOTAL FUEL CONSUMPTION	232	15	*	Q	5	*	0	195
	Indirect Uses-Boiler Fuel	--	*	*	*	1	*	0	--
	Conventional Boiler Use	--	*	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	*	0	--
	Direct Uses-Total Process	--	13	*	Q	4	*	0	--
	Process Heating	--	1	*	*	4	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	*	0	--
	Machine Drive	--	12	0	Q	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	*	Q	*	*	0	--
	Direct Uses-Total Nonprocess	--	2	*	2	*	*	0	--
	Facility HVAC (g)	--	1	*	*	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	2	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	196	*	*	Q	*	*	0	195
3212	Veneer, Plywood, and Engineered Woods								
	TOTAL FUEL CONSUMPTION	183	22	*	2	19	1	1	138
	Indirect Uses-Boiler Fuel	--	*	*	Q	4	*	1	--
	Conventional Boiler Use	--	*	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	Q	3	*	*	--
	Direct Uses-Total Process	--	18	*	*	14	*	*	--
	Process Heating	--	1	*	*	13	*	*	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	16	0	*	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	3	0	1	1	1	*	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Facility HVAC (g)	--	1	0	*	1	*	*	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	139	1	0	*	*	*	0	138
321219	Reconstituted Wood Products								
	TOTAL FUEL CONSUMPTION	82	14	*	Q	14	*	1	52
	Indirect Uses-Boiler Fuel	--	*	*	Q	3	*	1	--
	Conventional Boiler Use	--	*	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	Q	2	0	*	--
	Direct Uses-Total Process	--	11	*	*	11	*	*	--
	Process Heating	--	1	*	*	11	*	*	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	10	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	1	*	0	--
	Facility HVAC (g)	--	1	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	52	*	0	0	*	*	0	52
3219	Other Wood Products								
	TOTAL FUEL CONSUMPTION	48	14	*	5	7	2	*	20
	Indirect Uses-Boiler Fuel	--	*	0	*	2	*	0	--
	Conventional Boiler Use	--	*	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	Direct Uses-Total Process	--	10	0	1	3	*	*	--
	Process Heating	--	1	0	*	3	*	*	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	9	0	1	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	3	*	4	2	1	0	--
	Facility HVAC (g)	--	1	*	*	2	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	3	0	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	20	*	*	*	*	*	0	20
322	PAPER								
	TOTAL FUEL CONSUMPTION	2,110	206	35	6	399	4	207	1,253
	Indirect Uses-Boiler Fuel	--	4	23	3	240	*	201	--
	Conventional Boiler Use	--	4	7	*	50	*	7	--
	CHP and/or Cogeneration Process	--	0	17	2	190	*	194	--
	Direct Uses-Total Process	--	174	11	1	132	1	6	--
	Process Heating	--	6	10	1	120	*	4	--
	Process Cooling and Refrigeration	--	3	0	0	*	0	0	--
	Machine Drive	--	155	*	*	10	*	*	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	9	0	*	2	*	1	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Direct Uses-Total Nonprocess	--	20	1	2	17	3	*	--
	Facility HVAC (g)	--	9	*	*	14	*	*	--
	Facility Lighting	--	9	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	2	*	2	--	--
	Conventional Electricity Generation	--	--	1	*	2	0	*	--
	Other Nonprocess Use	--	*	*	*	*	*	0	--
	End Use Not Reported	1,271	9	*	*	9	*	0	1,253
322110	Pulp Mills								
	TOTAL FUEL CONSUMPTION	249	7	8	1	19	*	*	214
	Indirect Uses-Boiler Fuel	--	*	6	1	11	*	*	--
	Conventional Boiler Use	--	*	0	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	6	1	9	*	*	--
	Direct Uses-Total Process	--	6	2	*	9	*	0	--
	Process Heating	--	1	2	*	8	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	5	0	*	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	0	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	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								
	TOTAL FUEL CONSUMPTION	822	62	13	2	172	1	113	458
	Indirect Uses-Boiler Fuel	--	1	8	1	104	*	107	--
	Conventional Boiler Use	--	1	3	*	25	*	2	--
	CHP and/or Cogeneration Process	--	0	5	1	79	*	105	--
	Direct Uses-Total Process	--	51	5	*	60	*	6	--
	Process Heating	--	2	5	*	54	*	4	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	48	*	*	5	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	0	1	--
	Direct Uses-Total Nonprocess	--	5	1	1	3	1	*	--
	Facility HVAC (g)	--	2	*	*	3	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	1	0	1	--	--
	Conventional Electricity Generation	--	--	1	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	469	5	*	*	5	*	0	458
322122	Newsprint Mills								
	TOTAL FUEL CONSUMPTION	101	38	1	1	3	*	23	35
	Indirect Uses-Boiler Fuel	--	*	1	*	1	0	23	--
	Conventional Boiler Use	--	*	1	*	1	0	2	--
	CHP and/or Cogeneration Process	--	0	1	*	*	0	20	--
	Direct Uses-Total Process	--	36	0	*	2	*	0	--
	Process Heating	--	*	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	28	0	*	0	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Process Use	--	8	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	0	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	0	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	35	*	0	0	0	*	0	35
322130	Paperboard Mills								
	TOTAL FUEL CONSUMPTION	824	59	11	2	142	*	67	542
	Indirect Uses-Boiler Fuel	--	2	8	1	96	*	67	--
	Conventional Boiler Use	--	2	2	*	15	*	1	--
	CHP and/or Cogeneration Process	--	0	5	1	81	*	65	--
	Direct Uses-Total Process	--	52	3	*	39	*	0	--
	Process Heating	--	1	3	*	34	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	49	0	*	4	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	1	0	0	1	0	0	--
	Direct Uses-Total Nonprocess	--	4	*	1	5	*	*	--
	Facility HVAC (g)	--	1	*	*	2	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	2	0	*	--
	Other Nonprocess Use	--	*	*	*	0	*	0	--
	End Use Not Reported	546	1	*	*	2	*	0	542
323	PRINTING AND RELATED SUPPORT								
	TOTAL FUEL CONSUMPTION	83	47	Q	*	34	1	0	*
	Indirect Uses-Boiler Fuel	--	1	0	*	7	*	0	--
	Conventional Boiler Use	--	1	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	5	*	0	--
	Direct Uses-Total Process	--	27	0	*	16	*	0	--
	Process Heating	--	2	0	*	12	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	Q	0	0	--
	Machine Drive	--	22	0	0	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	18	Q	*	9	*	0	--
	Facility HVAC (g)	--	11	Q	*	9	*	0	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	3	2	0	*	Q	*	0	*
324	PETROLEUM AND COAL PRODUCTS								
	TOTAL FUEL CONSUMPTION	3,319	160	17	24	918	26	11	2,162
	Indirect Uses-Boiler Fuel	--	1	4	7	298	7	3	--
	Conventional Boiler Use	--	1	4	*	102	2	1	--
	CHP and/or Cogeneration Process	--	0	1	7	196	5	2	--
	Direct Uses-Total Process	--	144	10	11	567	18	9	--
	Process Heating	--	-4	10	7	516	18	4	--
	Process Cooling and Refrigeration	--	8	0	*	6	*	0	--
	Machine Drive	--	136	0	2	16	*	0	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	4	0	2	28	*	5	--
	Direct Uses-Total Nonprocess	--	13	*	6	19	1	*	--
	Facility HVAC (g)	--	6	*	1	3	*	*	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	5	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	15	*	0	--
	Other Nonprocess Use	--	1	*	*	*	*	0	--
	End Use Not Reported	2,202	3	2	1	34	1	0	2,162
324110	Petroleum Refineries								
	TOTAL FUEL CONSUMPTION	3,176	153	14	11	859	25	1	2,113
	Indirect Uses-Boiler Fuel	--	1	4	6	286	7	1	--
	Conventional Boiler Use	--	1	4	*	98	2	1	--
	CHP and/or Cogeneration Process	--	0	*	6	188	5	0	--
	Direct Uses-Total Process	--	138	7	2	524	17	0	--
	Process Heating	--	-5	7	1	475	17	0	--
	Process Cooling and Refrigeration	--	7	0	*	6	*	0	--
	Machine Drive	--	132	0	1	14	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	3	0	*	28	*	0	--
	Direct Uses-Total Nonprocess	--	12	0	2	17	*	0	--
	Facility HVAC (g)	--	5	0	*	2	*	0	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	2	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	15	*	0	--
	Other Nonprocess Use	--	1	0	*	*	0	0	--
	End Use Not Reported	2,152	2	2	*	33	1	0	2,113
324121	Asphalt Paving Mixture and Block								
	TOTAL FUEL CONSUMPTION	65	4	3	12	39	1	Q	6
	Indirect Uses-Boiler Fuel	--	*	*	*	5	*	0	--
	Conventional Boiler Use	--	*	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	Direct Uses-Total Process	--	3	3	8	33	1	Q	--
	Process Heating	--	*	3	6	30	1	Q	--
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--
	Machine Drive	--	2	0	1	2	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	2	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	*	3	1	*	0	--
	Facility HVAC (g)	--	*	*	1	1	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	3	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	*	*	*	*	0	--
	End Use Not Reported	8	*	*	*	Q	*	0	6
324199	Other Petroleum and Coal Products								
	TOTAL FUEL CONSUMPTION	55	*	*	*	5	*	9	41
	Indirect Uses-Boiler Fuel	--	*	*	0	1	0	1	--
	Conventional Boiler Use	--	*	*	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	*	0	1	0	1	--
	Direct Uses-Total Process	--	*	0	*	4	*	8	--
	Process Heating	--	*	0	*	4	*	3	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Machine Drive	--	-1	0	*	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	*	5	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	*	--
	Facility HVAC (g)	--	*	0	*	*	*	*	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	41	0	0	0	0	*	0	41
325	CHEMICALS								
	TOTAL FUEL CONSUMPTION	3,222	450	7	8	1,784	7	200	765
	Indirect Uses-Boiler Fuel	--	5	4	2	1,000	1	187	--
	Conventional Boiler Use	--	5	2	1	302	1	29	--
	CHP and/or Cogeneration Process	--	0	3	1	697	*	158	--
	Direct Uses-Total Process	--	390	2	2	750	1	13	--
	Process Heating	--	18	2	1	624	*	13	--
	Process Cooling and Refrigeration	--	34	0	*	9	*	0	--
	Machine Drive	--	266	*	1	68	*	0	--
	Electro-Chemical Processes	--	67	--	--	--	--	--	--
	Other Process Use	--	4	0	*	49	*	0	--
	Direct Uses-Total Nonprocess	--	53	*	4	32	4	1	--
	Facility HVAC (g)	--	28	0	*	24	*	1	--
	Facility Lighting	--	18	--	--	--	--	--	--
	Other Facility Support	--	6	0	*	4	Q	0	--
	Onsite Transportation	--	*	--	3	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	1	*	0	--
	Other Nonprocess Use	--	1	*	*	2	*	0	--
	End Use Not Reported	773	3	*	*	3	1	0	765
325110	Petrochemicals								
	TOTAL FUEL CONSUMPTION	568	22	1	*	248	1	0	295
	Indirect Uses-Boiler Fuel	--	*	1	*	67	0	0	--
	Conventional Boiler Use	--	*	1	*	22	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	45	0	0	--
	Direct Uses-Total Process	--	21	0	*	180	*	0	--
	Process Heating	--	*	0	*	W	0	0	--
	Process Cooling and Refrigeration	--	4	0	0	3	*	0	--
	Machine Drive	--	15	0	*	W	0	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	1	0	0	*	0	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	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	*	0	*	*	1	0	295
325120	Industrial Gases								
	TOTAL FUEL CONSUMPTION	96	66	0	*	27	*	0	3
	Indirect Uses-Boiler Fuel	--	*	0	*	Q	0	0	--
	Conventional Boiler Use	--	*	0	*	2	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	Q	0	0	--
	Direct Uses-Total Process	--	64	0	*	12	*	0	--
	Process Heating	--	1	0	*	3	0	0	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	42	0	*	0	*	0	--
	Electro-Chemical Processes	--	20	--	--	--	--	--	--
	Other Process Use	--	*	0	0	8	*	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	*	*	0	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	0	0	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--
	End Use Not Reported	3	1	0	*	0	*	0	3
325181	Alkalies and Chlorine								
	TOTAL FUEL CONSUMPTION	W	32	0	*	W	*	39	17
	Indirect Uses-Boiler Fuel	--	*	0	*	76	*	35	--
	Conventional Boiler Use	--	*	0	*	6	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	69	*	35	--
	Direct Uses-Total Process	--	31	0	*	W	*	4	--
	Process Heating	--	*	0	0	W	*	4	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	7	0	*	W	0	0	--
	Electro-Chemical Processes	--	23	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	End Use Not Reported	17	*	0	0	0	*	0	17
325182	Carbon Black								
	TOTAL FUEL CONSUMPTION	W	1	*	*	11	*	0	W
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	1	*	*	11	0	0	--
	Process Heating	--	*	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	1	*	*	2	0	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	0	*	0	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	*	0	0	--
	End Use Not Reported	W	0	0	0	0	0	0	W
325188	Other Basic Inorganic Chemicals								
	TOTAL FUEL CONSUMPTION	214	84	1	1	49	*	17	62
	Indirect Uses-Boiler Fuel	--	*	*	*	18	*	17	--
	Conventional Boiler Use	--	*	*	*	8	*	1	--
	CHP and/or Cogeneration Process	--	0	0	*	10	0	16	--
	Direct Uses-Total Process	--	82	1	*	30	*	*	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Process Heating	--	5	1	*	29	*	*	--
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	58	0	*	*	0	0	--
	Electro-Chemical Processes	--	17	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	3	0	*	2	*	0	--
	Facility HVAC (g)	--	1	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	63	*	0	*	*	*	0	62
325192	Cyclic Crudes and Intermediates								
	TOTAL FUEL CONSUMPTION	52	9	2	*	22	*	0	18
	Indirect Uses-Boiler Fuel	--	*	1	*	13	*	0	--
	Conventional Boiler Use	--	*	*	*	9	*	0	--
	CHP and/or Cogeneration Process	--	0	1	*	4	0	0	--
	Direct Uses-Total Process	--	8	0	*	9	*	0	--
	Process Heating	--	1	0	*	9	*	0	--
	Process Cooling and Refrigeration	--	2	0	*	0	0	0	--
	Machine Drive	--	5	0	*	0	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	0	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	0	0	0	0	--
	End Use Not Reported	19	0	*	0	0	0	0	18
325193	Ethyl Alcohol								
	TOTAL FUEL CONSUMPTION	307	25	0	*	252	*	25	4
	Indirect Uses-Boiler Fuel	--	1	0	*	146	*	18	--
	Conventional Boiler Use	--	1	0	*	74	*	3	--
	CHP and/or Cogeneration Process	--	0	0	*	72	*	15	--
	Direct Uses-Total Process	--	22	0	*	101	*	7	--
	Process Heating	--	1	0	*	91	*	7	--
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--
	Machine Drive	--	18	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	9	*	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	3	*	0	--
	Facility HVAC (g)	--	1	0	*	2	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	7	*	0	*	3	*	0	4
325199	Other Basic Organic Chemicals								
	TOTAL FUEL CONSUMPTION	634	33	*	1	378	*	59	164
	Indirect Uses-Boiler Fuel	--	1	*	*	258	*	59	--
	Conventional Boiler Use	--	1	*	*	63	0	3	--
	CHP and/or Cogeneration Process	--	0	0	*	195	*	56	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Direct Uses-Total Process	--	26	0	*	116	*	0	--
	Process Heating	--	1	0	*	87	*	0	--
	Process Cooling and Refrigeration	--	3	0	*	4	*	0	--
	Machine Drive	--	25	0	*	5	*	0	--
	Electro-Chemical Processes	--	-5	--	--	--	--	--	--
	Other Process Use	--	1	0	*	19	*	0	--
	Direct Uses-Total Nonprocess	--	5	0	*	5	*	0	--
	Facility HVAC (g)	--	2	0	*	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	163	*	0	*	*	*	0	164
325211	Plastics Materials and Resins								
	TOTAL FUEL CONSUMPTION	462	67	Q	1	307	1	12	73
	Indirect Uses-Boiler Fuel	--	1	*	*	233	1	12	--
	Conventional Boiler Use	--	1	*	*	41	1	10	--
	CHP and/or Cogeneration Process	--	0	0	*	192	*	3	--
	Direct Uses-Total Process	--	59	Q	*	70	*	0	--
	Process Heating	--	2	Q	*	61	*	0	--
	Process Cooling and Refrigeration	--	5	0	*	1	*	0	--
	Machine Drive	--	42	0	*	3	*	0	--
	Electro-Chemical Processes	--	9	--	--	--	--	--	--
	Other Process Use	--	*	0	*	5	*	0	--
	Direct Uses-Total Nonprocess	--	7	0	*	4	*	0	--
	Facility HVAC (g)	--	3	0	*	2	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	73	*	0	*	*	*	0	73
325212	Synthetic Rubber								
	TOTAL FUEL CONSUMPTION	39	6	0	*	22	*	3	8
	Indirect Uses-Boiler Fuel	--	*	0	*	19	0	3	--
	Conventional Boiler Use	--	*	0	*	6	0	1	--
	CHP and/or Cogeneration Process	--	0	0	*	14	0	2	--
	Direct Uses-Total Process	--	4	0	*	2	*	0	--
	Process Heating	--	*	0	0	W	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	3	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	0	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	9	1	0	*	0	*	0	8
325222	Noncellulosic Organic Fibers								
	TOTAL FUEL CONSUMPTION	36	10	*	*	10	*	3	13
	Indirect Uses-Boiler Fuel	--	*	*	*	6	*	3	--
	Conventional Boiler Use	--	*	*	*	4	0	2	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	CHP and/or Cogeneration Process	--	0	*	*	2	*	1	--
	Direct Uses-Total Process	--	8	*	*	3	*	0	--
	Process Heating	--	1	*	0	W	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	5	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	0	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	13	0	0	0	0	*	0	13
325311	Nitrogenous Fertilizers								
	TOTAL FUEL CONSUMPTION	166	12	*	*	152	*	0	2
	Indirect Uses-Boiler Fuel	--	*	*	*	49	*	0	--
	Conventional Boiler Use	--	*	0	*	30	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	19	*	0	--
	Direct Uses-Total Process	--	11	0	*	102	*	0	--
	Process Heating	--	*	0	*	97	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	0	0	0	--
	Machine Drive	--	9	0	*	3	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	3	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	*	0	*	1	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	2	0	0	*	-1	*	0	2
325312	Phosphatic Fertilizers								
	TOTAL FUEL CONSUMPTION	35	4	*	1	27	*	2	*
	Indirect Uses-Boiler Fuel	--	*	*	*	3	0	0	--
	Conventional Boiler Use	--	*	0	0	2	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	0	0	--
	Direct Uses-Total Process	--	4	*	*	24	*	2	--
	Process Heating	--	*	*	*	24	0	2	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	4	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	1	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	0	0	--
	End Use Not Reported	*	*	0	0	*	0	0	*
3254	Pharmaceuticals and Medicines								
	TOTAL FUEL CONSUMPTION	91	31	*	1	49	*	4	7
	Indirect Uses-Boiler Fuel	--	*	*	*	38	*	3	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Conventional Boiler Use	--	*	*	*	17	*	3	--
	CHP and/or Cogeneration Process	--	0	*	*	21	*	0	--
	Direct Uses-Total Process	--	16	*	*	5	*	0	--
	Process Heating	--	2	*	0	4	*	0	--
	Process Cooling and Refrigeration	--	5	0	*	*	0	0	--
	Machine Drive	--	8	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	15	*	*	6	*	1	--
	Facility HVAC (g)	--	10	0	*	5	*	1	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	*	*	*	*	0	--
	End Use Not Reported	7	*	0	*	*	*	0	7
325412	Pharmaceutical Preparation								
	TOTAL FUEL CONSUMPTION	51	19	*	*	24	*	4	4
	Indirect Uses-Boiler Fuel	--	*	*	*	17	*	3	--
	Conventional Boiler Use	--	*	*	*	8	*	3	--
	CHP and/or Cogeneration Process	--	0	*	*	8	*	0	--
	Direct Uses-Total Process	--	10	*	*	3	*	0	--
	Process Heating	--	1	*	0	2	*	0	--
	Process Cooling and Refrigeration	--	3	0	0	*	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	9	0	*	4	*	1	--
	Facility HVAC (g)	--	5	0	*	3	*	1	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	4	*	0	*	*	*	0	4
325992	Photographic Film, Paper, Plate, and Chemicals								
	TOTAL FUEL CONSUMPTION	20	5	*	*	6	*	9	*
	Indirect Uses-Boiler Fuel	--	*	*	*	5	0	9	--
	Conventional Boiler Use	--	*	0	*	3	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	2	0	9	--
	Direct Uses-Total Process	--	3	0	*	1	*	0	--
	Process Heating	--	*	0	0	1	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	1	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	1	*	0	0	*	0	0	*
326	PLASTICS AND RUBBER PRODUCTS								
	TOTAL FUEL CONSUMPTION	272	156	*	2	103	2	Q	Q

Table 5.2 End Uses of Fuel Consumption, 2010;

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

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	TOTAL FUEL CONSUMPTION	44	5	*	*	39	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	1	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	4	0	*	36	*	0	--
	Process Heating	--	*	0	*	35	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	4	0	*	1	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	*	*	2	*	0	--
	Facility HVAC (g)	--	*	*	*	2	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	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	*	*	0	0	0	0	0	*
327993	Mineral Wool								
	TOTAL FUEL CONSUMPTION	39	12	0	*	24	*	0	3
	Indirect Uses-Boiler Fuel	--	*	0	*	1	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	10	0	*	21	*	0	--
	Process Heating	--	5	0	*	21	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	2	*	0	--
	Facility HVAC (g)	--	1	0	*	2	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	3	0	0	0	0	0	0	3
331	PRIMARY METALS								
	TOTAL FUEL CONSUMPTION	1,655	400	1	9	537	3	23	682
	Indirect Uses-Boiler Fuel	--	1	1	*	63	*	0	--
	Conventional Boiler Use	--	1	*	*	22	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	42	*	0	--
	Direct Uses-Total Process	--	363	*	3	434	1	21	--
	Process Heating	--	128	*	*	403	1	21	--
	Process Cooling and Refrigeration	--	5	0	*	3	*	0	--
	Machine Drive	--	111	*	1	12	*	0	--
	Electro-Chemical Processes	--	106	--	--	--	--	--	--
	Other Process Use	--	13	0	1	16	*	1	--
	Direct Uses-Total Nonprocess	--	35	*	6	38	1	1	--
	Facility HVAC (g)	--	15	*	*	33	*	0	--
	Facility Lighting	--	14	--	--	--	--	--	--
	Other Facility Support	--	4	0	*	3	*	0	--
	Onsite Transportation	--	*	--	6	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	2	0	*	1	*	1	--
	End Use Not Reported	686	2	0	*	Q	*	0	682

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
331111	Iron and Steel Mills								
	TOTAL FUEL CONSUMPTION	1,158	172	*	5	325	*	23	633
	Indirect Uses-Boiler Fuel	--	*	*	*	38	*	0	--
	Conventional Boiler Use	--	*	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	W	*	0	--
	Direct Uses-Total Process	--	154	0	2	272	*	21	--
	Process Heating	--	80	0	*	252	*	21	--
	Process Cooling and Refrigeration	--	2	0	*	2	*	0	--
	Machine Drive	--	63	0	*	6	*	0	--
	Electro-Chemical Processes	--	4	--	--	--	--	--	--
	Other Process Use	--	4	0	1	11	*	1	--
	Direct Uses-Total Nonprocess	--	16	0	3	16	*	1	--
	Facility HVAC (g)	--	7	0	*	13	*	0	--
	Facility Lighting	--	6	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	2	*	0	--
	Onsite Transportation	--	*	--	3	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	1	0	*	1	*	1	--
	End Use Not Reported	634	2	0	*	*	*	0	633
331112	Electrometallurgical Ferroalloy Products								
	TOTAL FUEL CONSUMPTION	13	11	0	*	1	*	0	1
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	10	0	*	1	*	0	--
	Process Heating	--	5	0	*	1	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	1	0	*	0	*	0	--
	Electro-Chemical Processes	--	5	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	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								
	TOTAL FUEL CONSUMPTION	44	18	*	*	18	*	0	7
	Indirect Uses-Boiler Fuel	--	*	0	*	2	*	0	--
	Conventional Boiler Use	--	*	0	0	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	15	*	*	13	*	0	--
	Process Heating	--	4	0	*	12	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	9	*	*	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	3	0	*	4	*	0	--
	Facility HVAC (g)	--	1	0	*	3	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	8	*	0	0	*	*	0	7

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
3313	Alumina and Aluminum								
	TOTAL FUEL CONSUMPTION	219	116	*	2	96	1	0	5
	Indirect Uses-Boiler Fuel	--	*	*	*	13	*	0	--
	Conventional Boiler Use	--	*	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	112	*	1	78	*	0	--
	Process Heating	--	4	*	*	73	*	0	--
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	17	0	*	5	*	0	--
	Electro-Chemical Processes	--	90	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	1	5	*	0	--
	Facility HVAC (g)	--	2	0	*	4	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	0	1	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	5	*	0	*	*	*	0	5
331314	Secondary Smelting and Alloying of Aluminum								
	TOTAL FUEL CONSUMPTION	24	9	*	*	14	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	1	0	0	--
	Conventional Boiler Use	--	*	0	0	0	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	9	*	*	13	*	0	--
	Process Heating	--	1	*	*	13	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	1	0	*	0	*	0	--
	Electro-Chemical Processes	--	7	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	*	*	0	*	*	*	0	*
331315	Aluminum Sheet, Plate and Foils								
	TOTAL FUEL CONSUMPTION	57	14	*	*	40	*	0	2
	Indirect Uses-Boiler Fuel	--	*	*	0	W	0	0	--
	Conventional Boiler Use	--	*	*	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	13	*	*	37	*	0	--
	Process Heating	--	2	*	0	37	*	0	--
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--
	Machine Drive	--	10	0	*	0	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	W	*	0	--
	Facility HVAC (g)	--	1	0	*	W	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	0	0	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	End Use Not Reported	2	*	0	0	*	*	0	2
331316	Aluminum Extruded Products								
	TOTAL FUEL CONSUMPTION	16	5	0	*	11	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	W	*	0	--
	Conventional Boiler Use	--	*	0	0	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	4	0	*	W	*	0	--
	Process Heating	--	1	0	0	W	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	3	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	*	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	*	0	0	0	0	*	0	*
3314	Nonferrous Metals, except Aluminum								
	TOTAL FUEL CONSUMPTION	123	45	*	*	51	1	0	25
	Indirect Uses-Boiler Fuel	--	*	0	*	9	*	0	--
	Conventional Boiler Use	--	*	0	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	5	*	0	--
	Direct Uses-Total Process	--	41	0	*	37	1	0	--
	Process Heating	--	17	0	*	33	1	0	--
	Process Cooling and Refrigeration	--	1	0	*	*	*	0	--
	Machine Drive	--	11	0	*	*	*	0	--
	Electro-Chemical Processes	--	6	--	--	--	--	--	--
	Other Process Use	--	6	0	*	3	*	0	--
	Direct Uses-Total Nonprocess	--	4	*	*	4	*	0	--
	Facility HVAC (g)	--	2	*	*	4	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	26	*	0	0	Q	*	0	25
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum								
	TOTAL FUEL CONSUMPTION	59	25	0	*	12	*	0	22
	Indirect Uses-Boiler Fuel	--	*	0	*	1	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	24	0	*	11	*	0	--
	Process Heating	--	12	0	*	8	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	*	0	--
	Machine Drive	--	2	0	*	0	*	0	--
	Electro-Chemical Processes	--	4	--	--	--	--	--	--
	Other Process Use	--	5	0	*	3	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	22	*	0	0	*	*	0	22
3315	Foundries								
	TOTAL FUEL CONSUMPTION	97	38	0	1	46	1	0	11
	Indirect Uses-Boiler Fuel	--	*	0	*	1	*	0	--
	Conventional Boiler Use	--	*	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	Direct Uses-Total Process	--	31	0	*	34	*	0	--
	Process Heating	--	17	0	*	32	*	0	--
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	11	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	2	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	7	0	1	10	*	0	--
	Facility HVAC (g)	--	4	0	*	9	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	12	*	0	0	*	*	0	11
331511	Iron Foundries								
	TOTAL FUEL CONSUMPTION	45	19	0	*	14	*	0	11
	Indirect Uses-Boiler Fuel	--	*	0	*	*	*	0	--
	Conventional Boiler Use	--	*	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	0	0	--
	Direct Uses-Total Process	--	15	0	*	9	*	0	--
	Process Heating	--	10	0	*	8	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	*	5	*	0	--
	Facility HVAC (g)	--	2	0	*	4	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	11	*	0	0	0	*	0	11
331521	Aluminum Die-Casting Foundries								
	TOTAL FUEL CONSUMPTION	16	4	0	*	11	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	*	0	--
	Direct Uses-Total Process	--	3	0	*	9	*	0	--
	Process Heating	--	1	0	0	8	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	2	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--
	Facility HVAC (g)	--	*	0	*	2	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
331524	Aluminum Foundries, except Die-Casting								
	TOTAL FUEL CONSUMPTION	11	3	0	*	8	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--
	Conventional Boiler Use	--	*	0	0	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	2	0	*	7	*	0	--
	Process Heating	--	1	0	*	6	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	1	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	*	0	*	1	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
332	FABRICATED METAL PRODUCTS								
	TOTAL FUEL CONSUMPTION	301	127	*	3	163	5	Q	Q
	Indirect Uses-Boiler Fuel	--	*	0	*	21	*	0	--
	Conventional Boiler Use	--	*	0	0	11	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	10	*	0	--
	Direct Uses-Total Process	--	89	0	*	94	1	0	--
	Process Heating	--	27	0	*	92	1	0	--
	Process Cooling and Refrigeration	--	4	0	0	*	*	0	--
	Machine Drive	--	52	0	*	1	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	3	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	29	0	2	30	4	Q	--
	Facility HVAC (g)	--	12	0	Q	29	1	Q	--
	Facility Lighting	--	14	--	--	--	--	--	--
	Other Facility Support	--	3	0	*	2	*	0	--
	Onsite Transportation	--	*	--	1	*	3	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	Q	8	*	*	Q	*	0	Q
333	MACHINERY								
	TOTAL FUEL CONSUMPTION	148	70	*	3	71	2	0	1
	Indirect Uses-Boiler Fuel	--	Q	*	*	6	*	0	--
	Conventional Boiler Use	--	Q	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	Direct Uses-Total Process	--	40	0	3	30	1	0	--
	Process Heating	--	8	0	*	28	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--
	Machine Drive	--	28	0	Q	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	2	0	2	Q	*	0	--
	Direct Uses-Total Nonprocess	--	28	0	1	35	1	0	--
	Facility HVAC (g)	--	14	0	*	33	*	0	--
	Facility Lighting	--	10	--	--	--	--	--	--
	Other Facility Support	--	3	0	*	1	*	0	--

Table 5.2 End Uses of Fuel Consumption, 2010;

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

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Onsite Transportation	--	*	--	*	*		1	--
	Conventional Electricity Generation	--	--	0	*	*		0	--
	Other Nonprocess Use	--	Q	0	*	*		0	--
	End Use Not Reported	3	1	0	0	Q		*	0
334	COMPUTER AND ELECTRONIC PRODUCTS								
	TOTAL FUEL CONSUMPTION	144	101	*	*	42	*	0	*
	Indirect Uses-Boiler Fuel	--	1	*	*	14	0	0	--
	Conventional Boiler Use	--	1	0	*	12	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	Direct Uses-Total Process	--	48	0	*	6	*	0	--
	Process Heating	--	10	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	9	0	0	0	0	0	--
	Machine Drive	--	23	0	*	*	*	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	5	0	*	1	0	0	--
	Direct Uses-Total Nonprocess	--	48	*	*	19	*	0	--
	Facility HVAC (g)	--	30	*	*	18	*	0	--
	Facility Lighting	--	12	--	--	--	--	--	--
	Other Facility Support	--	5	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	1	0	*	*	*	0	--
	End Use Not Reported	6	4	0	0	3	*	0	*
334413	Semiconductors and Related Devices								
	TOTAL FUEL CONSUMPTION	57	37	*	*	20	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	*	9	0	0	--
	Conventional Boiler Use	--	*	0	*	8	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	22	0	*	3	*	0	--
	Process Heating	--	4	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	4	0	0	0	0	0	--
	Machine Drive	--	9	0	*	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	4	0	*	1	0	0	--
	Direct Uses-Total Nonprocess	--	12	*	*	6	*	0	--
	Facility HVAC (g)	--	9	*	*	5	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	1	0	*	*	*	0	--
	End Use Not Reported	5	3	0	0	3	*	0	*
335	ELEC. EQUIP., APPLIANCES, COMPONENTS								
	TOTAL FUEL CONSUMPTION	74	36	*	1	36	1	0	*
	Indirect Uses-Boiler Fuel	--	*	*	*	6	*	0	--
	Conventional Boiler Use	--	*	*	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	3	*	0	--
	Direct Uses-Total Process	--	24	*	*	20	*	0	--
	Process Heating	--	5	0	*	19	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--
	Machine Drive	--	14	*	*	*	*	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	12	0	1	8	1	0	--
	Facility HVAC (g)	--	6	0	*	8	*	0	--
	Facility Lighting	--	4	--	--	--	--	--	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	1	*	0	0	1	*	0	*
336	TRANSPORTATION EQUIPMENT								
	TOTAL FUEL CONSUMPTION	275	132	2	3	127	3	3	5
	Indirect Uses-Boiler Fuel	--	1	2	*	30	*	3	--
	Conventional Boiler Use	--	1	2	*	13	*	3	--
	CHP and/or Cogeneration Process	--	0	0	*	16	*	0	--
	Direct Uses-Total Process	--	76	*	1	52	1	0	--
	Process Heating	--	14	*	*	43	*	0	--
	Process Cooling and Refrigeration	--	6	*	*	*	0	0	--
	Machine Drive	--	48	0	Q	*	Q	0	--
	Electro-Chemical Processes	--	3	--	--	--	--	--	--
	Other Process Use	--	5	0	*	8	*	0	--
	Direct Uses-Total Nonprocess	--	51	*	1	44	2	0	--
	Facility HVAC (g)	--	25	*	*	41	*	0	--
	Facility Lighting	--	19	--	--	--	--	--	--
	Other Facility Support	--	5	*	*	3	*	0	--
	Onsite Transportation	--	1	--	1	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	1	0	*	*	*	0	--
	End Use Not Reported	12	5	1	*	1	*	0	5
336111	Automobiles								
	TOTAL FUEL CONSUMPTION	28	10	0	*	15	*	1	1
	Indirect Uses-Boiler Fuel	--	*	0	*	3	*	1	--
	Conventional Boiler Use	--	*	0	*	2	*	1	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	6	0	*	8	*	0	--
	Process Heating	--	1	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	4	0	*	0	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	*	4	*	0	--
	Facility HVAC (g)	--	2	0	0	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	1	0	0	0	0	0	0	1
336112	Light Trucks and Utility Vehicles								
	TOTAL FUEL CONSUMPTION	38	12	0	*	23	*	1	1
	Indirect Uses-Boiler Fuel	--	*	0	*	5	0	1	--
	Conventional Boiler Use	--	*	0	0	2	0	1	--
	CHP and/or Cogeneration Process	--	0	0	*	3	0	0	--
	Direct Uses-Total Process	--	8	0	*	12	*	0	--
	Process Heating	--	1	0	0	11	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	*	6	*	0	--
	Facility HVAC (g)	--	2	0	0	5	*	0	--

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Electricity;

Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	--	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	1	0	0	0	0	0	0	1
3364	Aerospace Products								
	TOTAL FUEL CONSUMPTION	67	32	1	1	30	*	*	2
	Indirect Uses-Boiler Fuel	--	*	*	*	14	*	*	--
	Conventional Boiler Use	--	*	*	*	7	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	7	*	0	--
	Direct Uses-Total Process	--	15	*	*	5	*	0	--
	Process Heating	--	4	*	*	5	*	0	--
	Process Cooling and Refrigeration	--	2	*	*	*	0	0	--
	Machine Drive	--	7	0	*	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	17	*	*	10	*	0	--
	Facility HVAC (g)	--	9	*	*	9	*	0	--
	Facility Lighting	--	6	--	--	--	--	--	--
	Other Facility Support	--	2	*	*	1	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	Q	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	4	1	1	0	*	*	0	2
336411	Aircraft								
	TOTAL FUEL CONSUMPTION	19	9	*	*	10	*	0	*
	Indirect Uses-Boiler Fuel	--	*	*	*	5	*	0	--
	Conventional Boiler Use	--	*	*	*	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	0	0	--
	Direct Uses-Total Process	--	3	*	*	1	*	0	--
	Process Heating	--	*	*	*	1	*	0	--
	Process Cooling and Refrigeration	--	1	*	0	*	0	0	--
	Machine Drive	--	1	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	6	*	*	4	*	0	--
	Facility HVAC (g)	--	3	*	*	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	*	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	1	1	0	0	0	*	0	*
337	FURNITURE AND RELATED PRODUCTS								
	TOTAL FUEL CONSUMPTION	36	17	0	*	13	1	Q	4
	Indirect Uses-Boiler Fuel	--	*	0	0	1	0	*	--
	Conventional Boiler Use	--	*	0	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	9	0	*	5	*	0	--
	Process Heating	--	1	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	8	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	7	0	*	6	1	*	--

Table 5.2 End Uses of Fuel Consumption, 2010;

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

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Facility HVAC (g)	--	3	0	*	6	*	*	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	1	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	5	1	0	*	*	*	0	4
339	MISCELLANEOUS								
	TOTAL FUEL CONSUMPTION	43	26	*	1	16	*	*	*
	Indirect Uses-Boiler Fuel	--	*	0	*	5	*	0	--
	Conventional Boiler Use	--	*	0	*	3	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	Direct Uses-Total Process	--	14	0	*	5	*	0	--
	Process Heating	--	3	0	*	4	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	8	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	12	*	*	6	*	*	--
	Facility HVAC (g)	--	7	*	*	6	*	*	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	*	*	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 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

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
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NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
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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.'