

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
<b>Total United States</b>							
<b>311 - 339</b>	<b>ALL MANUFACTURING INDUSTRIES</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	3,335	251	129	5,512	79	1,016
	<b>Indirect Uses-Boiler Fuel</b>	84	133	23	2,119	8	547
	Conventional Boiler Use	84	71	17	1,281	8	129
	CHP and/or Cogeneration Process	0	62	6	838	1	417
	<b>Direct Uses-Total Process</b>	2,639	62	52	2,788	39	412
	Process Heating	379	59	19	2,487	32	345
	Process Cooling and Refrigeration	226	*	1	32	*	*
	Machine Drive	1,731	2	24	129	2	56
	Electro-Chemical Processes	255	--	--	--	--	--
	Other Process Use	48	Q	8	140	5	10
	<b>Direct Uses-Total Nonprocess</b>	582	6	50	438	27	6
	Facility HVAC (g)	285	4	4	378	5	2
	Facility Lighting	215	--	--	--	--	--
	Other Facility Support	65	1	*	30	*	*
	Onsite Transportation	8	--	35	3	20	--
	Conventional Electricity Generation	--	*	4	19	*	3
	Other Nonprocess Use	9	*	6	8	1	*
	<b>End Use Not Reported</b>	29	49	4	168	5	52
<b>311</b>	<b>FOOD</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	266	26	16	635	3	147
	<b>Indirect Uses-Boiler Fuel</b>	7	24	4	354	1	129
	Conventional Boiler Use	7	16	3	328	1	25
	CHP and/or Cogeneration Process	0	8	1	26	*	104
	<b>Direct Uses-Total Process</b>	208	1	5	231	1	11
	Process Heating	16	1	1	209	*	11
	Process Cooling and Refrigeration	69	*	1	2	0	0
	Machine Drive	121	*	3	11	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	2	*	1	10	*	0
	<b>Direct Uses-Total Nonprocess</b>	48	*	6	40	2	*
	Facility HVAC (g)	21	*	*	30	1	*
	Facility Lighting	19	--	--	--	--	--
	Other Facility Support	6	*	*	9	*	0
	Onsite Transportation	1	--	2	*	1	--
	Conventional Electricity Generation	--	0	2	*	*	0
	Other Nonprocess Use	1	0	Q	1	*	0
	<b>End Use Not Reported</b>	3	*	*	10	*	7
<b>3112</b>	<b>Grain and Oilseed Milling</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	62	2	1	118	*	114
	<b>Indirect Uses-Boiler Fuel</b>	2	2	*	64	*	100
	Conventional Boiler Use	2	2	*	56	*	21
	CHP and/or Cogeneration Process	0	0	*	9	0	79

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>Direct Uses-Total Process</b>	54	0	*	49	*	8
	Process Heating	1	0	*	45	*	8
	Process Cooling and Refrigeration	5	0	0	0	0	0
	Machine Drive	47	0	*	2	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	0	0
	<b>Direct Uses-Total Nonprocess</b>	5	0	1	4	*	*
	Facility HVAC (g)	2	0	*	3	*	*
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	1	0	*	1	*	6
311221	<b>Wet Corn Milling</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	31	*	*	52	*	95
	<b>Indirect Uses-Boiler Fuel</b>	2	*	*	24	*	82
	Conventional Boiler Use	2	*	0	17	*	16
	CHP and/or Cogeneration Process	0	0	*	7	0	66
	<b>Direct Uses-Total Process</b>	27	0	*	28	*	7
	Process Heating	*	0	*	28	*	7
	Process Cooling and Refrigeration	4	0	0	0	0	0
	Machine Drive	23	0	*	0	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	*	0	0	0
	<b>Direct Uses-Total Nonprocess</b>	1	0	*	1	*	0
	Facility HVAC (g)	1	0	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
	<b>End Use Not Reported</b>	1	0	0	0	*	6
31131	<b>Sugar</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	7	9	1	18	*	31
	<b>Indirect Uses-Boiler Fuel</b>	*	8	1	13	*	28
	Conventional Boiler Use	*	0	*	2	0	3
	CHP and/or Cogeneration Process	0	8	1	10	*	26
	<b>Direct Uses-Total Process</b>	5	*	*	4	*	3
	Process Heating	*	*	*	4	0	3
	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
	<b>Direct Uses-Total Nonprocess</b>	1	0	*	1	*	*
	Facility HVAC (g)	*	0	0	*	*	*
	Facility Lighting	*	--	--	--	--	--

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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 Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	0	0	0	0	*	0
<b>3114</b>	<b>Fruit and Vegetable Preserving and Specialty Foods</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	34	2	1	126	1	1
	<b>Indirect Uses-Boiler Fuel</b>	1	2	Q	91	*	1
	Conventional Boiler Use	1	2	Q	87	*	1
	CHP and/or Cogeneration Process	0	0	0	4	0	0
	<b>Direct Uses-Total Process</b>	27	*	*	27	*	0
	Process Heating	3	*	*	26	*	0
	Process Cooling and Refrigeration	13	0	*	*	0	0
	Machine Drive	12	0	*	1	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	*	0	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	6	*	*	8	1	0
	Facility HVAC (g)	2	*	*	6	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	2	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	0	*	*	0	0
<b>3115</b>	<b>Dairy Products</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	35	1	1	83	*	*
	<b>Indirect Uses-Boiler Fuel</b>	1	Q	1	37	*	0
	Conventional Boiler Use	1	Q	1	36	*	0
	CHP and/or Cogeneration Process	0	0	*	1	0	0
	<b>Direct Uses-Total Process</b>	27	*	Q	38	*	0
	Process Heating	2	*	*	31	*	0
	Process Cooling and Refrigeration	11	0	*	*	0	0
	Machine Drive	14	0	*	2	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	Q	0	*	5	0	0
	<b>Direct Uses-Total Nonprocess</b>	7	*	*	5	*	0
	Facility HVAC (g)	3	*	*	4	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	*	*	1	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	0	*	2	*	*
<b>3116</b>	<b>Animal Slaughtering and Processing</b>						

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for 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)
	<b>TOTAL FUEL CONSUMPTION</b>	60	3	5	145	1	0
	<b>Indirect Uses-Boiler Fuel</b>	1	3	1	98	*	0
	Conventional Boiler Use	1	3	1	98	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	48	Q	1	36	*	0
	Process Heating	3	*	*	29	*	0
	Process Cooling and Refrigeration	25	*	*	1	0	0
	Machine Drive	18	*	*	3	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	Q	3	*	0
	<b>Direct Uses-Total Nonprocess</b>	10	*	2	11	*	0
	Facility HVAC (g)	4	*	*	8	*	0
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	1	*	*	3	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	Q	*	*	0
	<b>End Use Not Reported</b>	*	*	*	*	*	0
<b>312</b>	<b>BEVERAGE AND TOBACCO PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	32	3	1	41	1	20
	<b>Indirect Uses-Boiler Fuel</b>	*	2	*	30	*	18
	Conventional Boiler Use	*	2	*	27	*	3
	CHP and/or Cogeneration Process	0	0	*	3	0	15
	<b>Direct Uses-Total Process</b>	23	*	*	7	*	2
	Process Heating	1	*	0	4	*	0
	Process Cooling and Refrigeration	8	0	0	*	0	0
	Machine Drive	13	0	*	1	*	1
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	2	*	1
	<b>Direct Uses-Total Nonprocess</b>	9	*	*	4	*	*
	Facility HVAC (g)	4	*	*	4	*	*
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	*
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	*	*	*
	<b>End Use Not Reported</b>	*	0	*	*	*	0
<b>3121</b>	<b>Beverages</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	28	2	1	38	1	16
	<b>Indirect Uses-Boiler Fuel</b>	*	2	*	28	*	14
	Conventional Boiler Use	*	2	*	25	*	Q
	CHP and/or Cogeneration Process	0	0	*	3	0	13
	<b>Direct Uses-Total Process</b>	21	0	*	6	*	2
	Process Heating	1	0	0	4	*	0
	Process Cooling and Refrigeration	8	0	0	*	0	0
	Machine Drive	11	0	*	1	*	1
	Electro-Chemical Processes	*	--	--	--	--	--

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NAICS Code(a)	End Use	Net Demand for 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 Process Use	1	0	*	2	*	1
	<b>Direct Uses-Total Nonprocess</b>	7	0	*	4	*	*
	Facility HVAC (g)	2	0	*	4	*	*
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	*
	<b>End Use Not Reported</b>	*	0	*	*	*	0
<b>3122</b>	<b>Tobacco</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	5	1	*	3	*	4
	<b>Indirect Uses-Boiler Fuel</b>	*	1	*	2	*	4
	Conventional Boiler Use	*	1	*	2	*	2
	CHP and/or Cogeneration Process	0	0	0	0	0	2
	<b>Direct Uses-Total Process</b>	2	*	*	*	*	0
	Process Heating	*	*	0	*	0	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	2	*	*	*	*	*
	Facility HVAC (g)	2	*	*	*	*	*
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	*
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	0	0	*	*	*	0
	<b>End Use Not Reported</b>	0	0	0	0	*	0
<b>313</b>	<b>TEXTILE MILLS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	67	2	*	65	*	32
	<b>Indirect Uses-Boiler Fuel</b>	1	*	*	34	*	32
	Conventional Boiler Use	1	*	*	34	*	17
	CHP and/or Cogeneration Process	0	0	*	*	0	Q
	<b>Direct Uses-Total Process</b>	52	2	*	23	*	0
	Process Heating	7	Q	0	21	*	0
	Process Cooling and Refrigeration	9	*	0	0	0	0
	Machine Drive	36	*	*	Q	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	Q	*	0	Q	0	0
	<b>Direct Uses-Total Nonprocess</b>	15	*	*	8	*	0
	Facility HVAC (g)	8	*	*	7	*	0
	Facility Lighting	6	--	--	--	--	--
	Other Facility Support	1	*	*	*	0	0
	Onsite Transportation	*	--	*	Q	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	<b>End Use Not Reported</b>	0	0	0	*	*	0

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for 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)
314	<b>TEXTILE PRODUCT MILLS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	20	Q	*	46	1	3
	<b>Indirect Uses-Boiler Fuel</b>	*	Q	*	16	*	Q
	Conventional Boiler Use	*	Q	*	16	*	Q
	CHP and/or Cogeneration Process	0	0	*	*	0	0
	<b>Direct Uses-Total Process</b>	13	0	0	Q	*	Q
	Process Heating	2	0	0	Q	*	Q
	Process Cooling and Refrigeration	2	0	0	Q	0	0
	Machine Drive	9	0	0	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	0	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	6	0	*	3	*	*
	Facility HVAC (g)	3	0	*	3	*	*
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	0	*	0	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	0	0	Q	*	*
315	<b>APPAREL</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	7	*	*	7	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	*	*	4	*	0
	Conventional Boiler Use	*	*	*	4	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	3	0	0	2	*	0
	Process Heating	*	0	0	Q	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	2	0	0	Q	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	4	0	*	1	*	0
	Facility HVAC (g)	2	0	0	1	0	0
	Facility Lighting	1	--	--	--	--	--
	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
	<b>End Use Not Reported</b>	*	0	*	*	*	0
316	<b>LEATHER AND ALLIED PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	1	*	*	1	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	*	*	*	0	0
	Conventional Boiler Use	*	*	*	*	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	1	0	0	1	*	0

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	Process Heating	*	0	0	1	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	1	0	0	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	0	0	0
	<b>Direct Uses-Total Nonprocess</b>	*	0	*	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	0	*	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	<b>End Use Not Reported</b>	*	0	0	*	0	0
<b>321</b>	<b>WOOD PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	99	4	15	86	5	Q
	<b>Indirect Uses-Boiler Fuel</b>	2	Q	1	25	*	1
	Conventional Boiler Use	2	Q	1	16	*	1
	CHP and/or Cogeneration Process	0	0	*	9	*	*
	<b>Direct Uses-Total Process</b>	81	1	3	52	1	Q
	Process Heating	7	*	*	47	1	Q
	Process Cooling and Refrigeration	1	0	*	*	0	0
	Machine Drive	72	*	2	Q	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	*	*	*	3	*	0
	<b>Direct Uses-Total Nonprocess</b>	13	*	11	7	3	0
	Facility HVAC (g)	5	*	*	6	*	0
	Facility Lighting	7	--	--	--	--	--
	Other Facility Support	1	*	*	*	*	0
	Onsite Transportation	*	--	10	*	3	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	1	*	*	0
	<b>End Use Not Reported</b>	2	2	*	2	1	*
<b>321113</b>	<b>Sawmills</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	30	*	8	12	*	0
	<b>Indirect Uses-Boiler Fuel</b>	1	*	1	Q	*	0
	Conventional Boiler Use	1	*	1	Q	*	0
	CHP and/or Cogeneration Process	0	0	*	*	0	0
	<b>Direct Uses-Total Process</b>	25	*	2	5	*	0
	Process Heating	3	*	*	4	*	0
	Process Cooling and Refrigeration	*	0	*	0	0	0
	Machine Drive	22	0	1	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	0	*	0
	<b>Direct Uses-Total Nonprocess</b>	3	*	6	*	*	0
	Facility HVAC (g)	1	*	*	*	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0

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	Onsite Transportation	*	--	5	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>1</b>	<b>*</b>	<b>0</b>
<b>3212</b>	<b>Veneer, Plywood, and Engineered Woods</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>34</b>	<b>*</b>	<b>1</b>	<b>45</b>	<b>3</b>	<b>2</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>15</b>	<b>*</b>	<b>1</b>
	Conventional Boiler Use	1	*	*	6	*	1
	CHP and/or Cogeneration Process	0	0	0	9	0	*
	<b>Direct Uses-Total Process</b>	<b>28</b>	<b>*</b>	<b>*</b>	<b>27</b>	<b>*</b>	<b>1</b>
	Process Heating	2	*	*	23	*	1
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	25	0	*	Q	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	3	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>
	Facility HVAC (g)	2	0	*	1	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	1	0	2	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	0	0
	<b>End Use Not Reported</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>1</b>	<b>*</b>	<b>*</b>
<b>3219</b>	<b>Other Wood Products</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>33</b>	<b>*</b>	<b>5</b>	<b>28</b>	<b>1</b>	<b>Q</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>3</b>	<b>*</b>	<b>0</b>
	Conventional Boiler Use	*	*	*	3	*	0
	CHP and/or Cogeneration Process	0	0	0	0	*	0
	<b>Direct Uses-Total Process</b>	<b>27</b>	<b>*</b>	<b>*</b>	<b>Q</b>	<b>*</b>	<b>Q</b>
	Process Heating	2	0	*	Q	*	Q
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	24	*	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>5</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>0</b>
	Facility HVAC (g)	2	0	*	5	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	4	0	1	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>0</b>
<b>322</b>	<b>PAPER</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>417</b>	<b>91</b>	<b>13</b>	<b>474</b>	<b>5</b>	<b>221</b>



**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>Indirect Uses-Boiler Fuel</b>	31	W	5	277	*	194
	Conventional Boiler Use	31	W	2	120	*	11
	CHP and/or Cogeneration Process	0	45	3	157	*	183
	<b>Direct Uses-Total Process</b>	342	25	3	142	1	W
	Process Heating	18	23	3	124	1	W
	Process Cooling and Refrigeration	7	*	0	2	0	*
	Machine Drive	309	2	*	12	*	2
	Electro-Chemical Processes	4	--	--	--	--	--
	Other Process Use	4	0	*	4	*	0
	<b>Direct Uses-Total Nonprocess</b>	40	3	3	18	3	1
	Facility HVAC (g)	18	1	*	14	*	1
	Facility Lighting	16	--	--	--	--	--
	Other Facility Support	4	1	*	1	*	*
	Onsite Transportation	1	--	3	*	3	--
	Conventional Electricity Generation	--	*	*	3	*	*
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	4	W	2	37	Q	W
<b>322110</b>	<b>Pulp Mills</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	21	11	4	13	*	6
	<b>Indirect Uses-Boiler Fuel</b>	1	5	1	8	*	6
	Conventional Boiler Use	1	*	*	4	*	0
	CHP and/or Cogeneration Process	0	5	*	3	0	6
	<b>Direct Uses-Total Process</b>	16	4	2	5	*	0
	Process Heating	1	4	2	5	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	15	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	0	0	*	0	*	0
	<b>Direct Uses-Total Nonprocess</b>	2	*	*	*	*	0
	Facility HVAC (g)	1	*	0	*	0	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	<b>End Use Not Reported</b>	2	2	1	1	0	0
<b>322121</b>	<b>Paper Mills, except Newsprint</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	158	47	2	174	1	122
	<b>Indirect Uses-Boiler Fuel</b>	7	33	1	95	*	117
	Conventional Boiler Use	7	7	*	39	*	9
	CHP and/or Cogeneration Process	0	26	1	56	*	108
	<b>Direct Uses-Total Process</b>	135	14	*	66	*	5
	Process Heating	8	13	*	55	*	2
	Process Cooling and Refrigeration	2	*	0	2	0	*
	Machine Drive	123	1	*	9	*	2
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	*	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>Direct Uses-Total Nonprocess</b>	16	1	1	6	1	1
	Facility HVAC (g)	7	*	*	4	*	1
	Facility Lighting	7	--	--	--	--	--
	Other Facility Support	2	*	*	*	*	*
	Onsite Transportation	*	--	1	*	1	--
	Conventional Electricity Generation	--	*	0	1	0	*
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	0	0	*	7	*	0
<b>322122</b>	<b>Newsprint Mills</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	37	2	*	8	*	14
	<b>Indirect Uses-Boiler Fuel</b>	*	1	*	6	*	14
	Conventional Boiler Use	*	*	*	*	*	0
	CHP and/or Cogeneration Process	0	*	*	6	0	14
	<b>Direct Uses-Total Process</b>	34	0	*	2	*	0
	Process Heating	1	0	0	1	*	0
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	30	0	*	0	*	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	0	0	*	1	0	0
	<b>Direct Uses-Total Nonprocess</b>	3	2	*	*	*	0
	Facility HVAC (g)	1	1	0	*	0	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	1	*	*	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	0	*	0	0
<b>322130</b>	<b>Paperboard Mills</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	134	29	6	142	*	73
	<b>Indirect Uses-Boiler Fuel</b>	16	W	3	103	0	52
	Conventional Boiler Use	16	W	2	40	0	2
	CHP and/or Cogeneration Process	0	15	2	62	0	50
	<b>Direct Uses-Total Process</b>	110	6	1	31	*	W
	Process Heating	5	6	1	26	*	W
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	100	*	*	3	*	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	3	0	*	2	*	0
	<b>Direct Uses-Total Nonprocess</b>	7	*	1	4	*	*
	Facility HVAC (g)	3	*	*	1	*	*
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	0
	Onsite Transportation	*	--	1	0	*	--
	Conventional Electricity Generation	--	*	*	1	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	1	W	*	5	*	W

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
323	<b>PRINTING AND RELATED SUPPORT</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	44	*	*	39	1	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	0	5	*	0
	Conventional Boiler Use	*	0	0	5	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	27	0	*	26	*	0
	Process Heating	1	0	0	25	*	0
	Process Cooling and Refrigeration	3	0	0	*	0	0
	Machine Drive	23	0	*	Q	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	16	*	*	8	1	0
	Facility HVAC (g)	8	*	*	7	*	0
	Facility Lighting	5	--	--	--	--	--
	Other Facility Support	2	*	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	1	0	0	Q	*	0
324	<b>PETROLEUM AND COAL PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	205	58	25	849	29	53
	<b>Indirect Uses-Boiler Fuel</b>	3	W	4	280	3	2
	Conventional Boiler Use	3	W	2	120	3	1
	CHP and/or Cogeneration Process	0	*	2	160	1	*
	<b>Direct Uses-Total Process</b>	188	12	17	545	23	51
	Process Heating	8	12	11	504	21	1
	Process Cooling and Refrigeration	11	0	*	1	*	0
	Machine Drive	168	0	6	17	1	51
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	Q	0	*	23	1	0
	<b>Direct Uses-Total Nonprocess</b>	14	0	3	21	*	0
	Facility HVAC (g)	7	0	*	8	*	0
	Facility Lighting	5	--	--	--	--	--
	Other Facility Support	2	0	*	1	*	0
	Onsite Transportation	*	--	3	*	*	--
	Conventional Electricity Generation	--	0	*	12	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	W	1	Q	2	0
324110	<b>Petroleum Refineries</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	193	52	8	789	28	1
	<b>Indirect Uses-Boiler Fuel</b>	2	W	4	256	3	*
	Conventional Boiler Use	2	W	2	96	3	*
	CHP and/or Cogeneration Process	0	*	2	160	1	0
	<b>Direct Uses-Total Process</b>	179	7	2	515	23	1
	Process Heating	6	7	1	482	21	1

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Process Cooling and Refrigeration	11	0	*	1	*	0
	Machine Drive	162	0	1	15	1	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	17	1	0
	<b>Direct Uses-Total Nonprocess</b>	11	0	1	17	*	0
	Facility HVAC (g)	6	0	*	4	*	0
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	1	0	*	1	0	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	12	0	0
	Other Nonprocess Use	*	0	*	*	0	0
	<b>End Use Not Reported</b>	0	W	1	*	2	0
<b>324199</b>	<b>Other Petroleum and Coal Products</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	2	0	*	3	*	52
	<b>Indirect Uses-Boiler Fuel</b>	*	0	0	*	*	2
	Conventional Boiler Use	*	0	0	*	*	1
	CHP and/or Cogeneration Process	0	0	0	*	0	*
	<b>Direct Uses-Total Process</b>	2	0	*	3	*	51
	Process Heating	*	0	*	2	*	0
	Process Cooling and Refrigeration	*	0	*	*	0	0
	Machine Drive	1	0	*	*	0	51
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	0	0	*	0
	<b>Direct Uses-Total Nonprocess</b>	1	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
	<b>End Use Not Reported</b>	0	0	*	0	0	0
<b>325</b>	<b>CHEMICALS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	707	23	9	1,394	7	167
	<b>Indirect Uses-Boiler Fuel</b>	30	18	4	825	2	151
	Conventional Boiler Use	30	15	4	384	2	55
	CHP and/or Cogeneration Process	0	3	*	441	*	97
	<b>Direct Uses-Total Process</b>	590	5	2	510	4	8
	Process Heating	35	5	1	388	*	7
	Process Cooling and Refrigeration	56	0	*	17	*	0
	Machine Drive	397	0	1	65	*	1
	Electro-Chemical Processes	96	--	--	--	--	--
	Other Process Use	6	0	*	41	4	*
	<b>Direct Uses-Total Nonprocess</b>	81	*	3	33	1	*
	Facility HVAC (g)	42	*	1	23	*	*
	Facility Lighting	26	--	--	--	--	--
	Other Facility Support	10	0	*	2	*	0
	Onsite Transportation	1	--	2	*	1	--

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Conventional Electricity Generation	--	0	*	3	*	0
	Other Nonprocess Use	2	*	*	5	*	0
	<b>End Use Not Reported</b>	<b>5</b>	<b>0</b>	<b>*</b>	<b>25</b>	<b>*</b>	<b>7</b>
<b>325110</b>	<b>Petrochemicals</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>33</b>	<b>5</b>	<b>1</b>	<b>110</b>	<b>*</b>	<b>0</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>5</b>	<b>*</b>	<b>37</b>	<b>0</b>	<b>0</b>
	Conventional Boiler Use	*	5	*	19	0	0
	CHP and/or Cogeneration Process	0	0	*	18	0	0
	<b>Direct Uses-Total Process</b>	<b>29</b>	<b>0</b>	<b>*</b>	<b>72</b>	<b>0</b>	<b>0</b>
	Process Heating	4	0	*	W	0	0
	Process Cooling and Refrigeration	3	0	0	*	0	0
	Machine Drive	21	0	*	W	0	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>4</b>	<b>0</b>	<b>*</b>	<b>1</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	2	0	*	*	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	0	0	*	1	*	0
	<b>End Use Not Reported</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>
<b>325120</b>	<b>Industrial Gases</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>71</b>	<b>0</b>	<b>*</b>	<b>14</b>	<b>*</b>	<b>0</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>6</b>	<b>0</b>	<b>0</b>
	Conventional Boiler Use	*	0	*	6	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	<b>68</b>	<b>0</b>	<b>*</b>	<b>8</b>	<b>*</b>	<b>0</b>
	Process Heating	*	0	*	6	*	0
	Process Cooling and Refrigeration	2	0	*	*	0	0
	Machine Drive	66	0	*	0	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	0	0	0	2	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>3</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	2	0	*	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	0	0
	Onsite Transportation	0	--	0	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	0	0	0	0
	<b>End Use Not Reported</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>0</b>
<b>325181</b>	<b>Alkalies and Chlorine</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>55</b>	<b>0</b>	<b>*</b>	<b>106</b>	<b>*</b>	<b>16</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>58</b>	<b>0</b>	<b>15</b>

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Conventional Boiler Use	*	0	*	14	0	5
	CHP and/or Cogeneration Process	0	0	0	43	0	10
	<b>Direct Uses-Total Process</b>	<b>53</b>	<b>0</b>	<b>*</b>	<b>48</b>	<b>0</b>	<b>2</b>
	Process Heating	*	0	0	15	0	2
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	8	0	*	33	0	0
	Electro-Chemical Processes	41	--	--	--	--	--
	Other Process Use	3	0	0	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>2</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	1	0	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
	<b>End Use Not Reported</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>325182</b>	<b>Carbon Black</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>3</b>	<b>*</b>	<b>*</b>	<b>11</b>	<b>*</b>	<b>0</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>*</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>
	Conventional Boiler Use	*	*	0	2	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	<b>2</b>	<b>*</b>	<b>*</b>	<b>4</b>	<b>0</b>	<b>0</b>
	Process Heating	*	*	0	3	0	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	2	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	0	0	0	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	*	*	0	*	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	0	0	0
	<b>End Use Not Reported</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>
<b>325188</b>	<b>Other Basic Inorganic Chemicals</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>85</b>	<b>9</b>	<b>1</b>	<b>54</b>	<b>*</b>	<b>23</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>1</b>	<b>5</b>	<b>*</b>	<b>14</b>	<b>*</b>	<b>22</b>
	Conventional Boiler Use	1	5	*	14	*	3
	CHP and/or Cogeneration Process	0	0	0	1	0	19
	<b>Direct Uses-Total Process</b>	<b>76</b>	<b>3</b>	<b>*</b>	<b>33</b>	<b>*</b>	<b>1</b>
	Process Heating	2	3	*	30	*	1
	Process Cooling and Refrigeration	2	0	*	*	0	0
	Machine Drive	54	0	*	*	*	0
	Electro-Chemical Processes	17	--	--	--	--	--
	Other Process Use	1	0	*	2	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>7</b>	<b>0</b>	<b>*</b>	<b>2</b>	<b>*</b>	<b>0</b>

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Facility HVAC (g)	3	0	*	1	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	1	0	*	*	*	0
	<b>End Use Not Reported</b>	<b>2</b>	<b>0</b>	<b>*</b>	<b>5</b>	<b>*</b>	<b>0</b>
<b>325192</b>	<b>Cyclic Crudes and Intermediates</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>9</b>	<b>1</b>	<b>*</b>	<b>16</b>	<b>*</b>	<b>0</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>1</b>	<b>*</b>	<b>9</b>	<b>0</b>	<b>0</b>
	Conventional Boiler Use	*	1	*	9	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	<b>8</b>	<b>0</b>	<b>*</b>	<b>6</b>	<b>*</b>	<b>0</b>
	Process Heating	6	0	*	6	*	0
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	2	0	*	0	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	*	0	0	*	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
	<b>End Use Not Reported</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>0</b>
<b>325193</b>	<b>Ethyl Alcohol</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>11</b>	<b>0</b>	<b>*</b>	<b>82</b>	<b>*</b>	<b>19</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>49</b>	<b>*</b>	<b>12</b>
	Conventional Boiler Use	*	0	*	46	*	11
	CHP and/or Cogeneration Process	0	0	*	3	0	1
	<b>Direct Uses-Total Process</b>	<b>10</b>	<b>0</b>	<b>*</b>	<b>29</b>	<b>*</b>	<b>0</b>
	Process Heating	1	0	0	26	*	0
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	7	0	*	0	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	0	3	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>1</b>	<b>*</b>	<b>*</b>
	Facility HVAC (g)	*	0	0	1	*	*
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>3</b>	<b>0</b>	<b>7</b>
<b>325199</b>	<b>Other Basic Organic Chemicals</b>						

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>TOTAL FUEL CONSUMPTION</b>	109	2	2	306	*	54
	<b>Indirect Uses-Boiler Fuel</b>	1	1	2	206	*	50
	Conventional Boiler Use	1	1	2	116	*	8
	CHP and/or Cogeneration Process	0	*	*	90	*	42
	<b>Direct Uses-Total Process</b>	97	*	*	85	*	3
	Process Heating	4	*	*	66	*	3
	Process Cooling and Refrigeration	12	0	0	4	0	0
	Machine Drive	61	0	*	2	0	1
	Electro-Chemical Processes	20	--	--	--	--	--
	Other Process Use	*	0	*	13	*	0
	<b>Direct Uses-Total Nonprocess</b>	10	*	*	5	*	*
	Facility HVAC (g)	5	*	0	3	*	*
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	2	0	*	1	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	1	0	0
	Other Nonprocess Use	*	0	*	1	*	0
	<b>End Use Not Reported</b>	1	0	*	10	*	0
<b>325211</b>	<b>Plastics Materials and Resins</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	127	*	1	333	6	11
	<b>Indirect Uses-Boiler Fuel</b>	23	*	*	264	2	11
	Conventional Boiler Use	23	*	*	52	2	11
	CHP and/or Cogeneration Process	0	0	0	213	0	0
	<b>Direct Uses-Total Process</b>	93	*	Q	64	4	0
	Process Heating	3	*	*	W	*	0
	Process Cooling and Refrigeration	11	0	*	1	*	0
	Machine Drive	66	0	*	W	*	0
	Electro-Chemical Processes	13	--	--	--	--	--
	Other Process Use	*	0	*	8	4	0
	<b>Direct Uses-Total Nonprocess</b>	11	0	*	4	*	0
	Facility HVAC (g)	4	0	*	2	*	0
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	3	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	2	*	0
	<b>End Use Not Reported</b>	*	0	0	1	*	0
<b>325212</b>	<b>Synthetic Rubber</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	7	*	*	26	*	6
	<b>Indirect Uses-Boiler Fuel</b>	*	*	*	22	*	6
	Conventional Boiler Use	*	*	*	6	*	3
	CHP and/or Cogeneration Process	0	0	0	16	0	3
	<b>Direct Uses-Total Process</b>	6	0	*	4	*	0
	Process Heating	*	0	0	3	*	0
	Process Cooling and Refrigeration	1	0	0	*	0	0



**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Machine Drive	4	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	1	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	*	*	*	*	0
	<b>End Use Not Reported</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>
<b>325222</b>	<b>Noncellulosic Organic Fibers</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>19</b>	<b>3</b>	<b>*</b>	<b>34</b>	<b>*</b>	<b>9</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>3</b>	<b>2</b>	<b>*</b>	<b>20</b>	<b>*</b>	<b>8</b>
	Conventional Boiler Use	3	1	*	12	*	3
	CHP and/or Cogeneration Process	0	1	0	8	0	5
	<b>Direct Uses-Total Process</b>	<b>14</b>	<b>1</b>	<b>*</b>	<b>11</b>	<b>*</b>	<b>*</b>
	Process Heating	1	1	*	8	*	*
	Process Cooling and Refrigeration	3	0	0	*	0	0
	Machine Drive	10	0	*	3	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	*	*	0	*
	<b>Direct Uses-Total Nonprocess</b>	<b>2</b>	<b>*</b>	<b>*</b>	<b>3</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	1	*	*	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	0	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	2	0	0
	Other Nonprocess Use	*	0	*	*	0	0
	<b>End Use Not Reported</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>0</b>
<b>325311</b>	<b>Nitrogenous Fertilizers</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>9</b>	<b>0</b>	<b>*</b>	<b>117</b>	<b>*</b>	<b>0</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>28</b>	<b>*</b>	<b>0</b>
	Conventional Boiler Use	*	0	*	25	*	0
	CHP and/or Cogeneration Process	0	0	0	3	0	0
	<b>Direct Uses-Total Process</b>	<b>8</b>	<b>0</b>	<b>*</b>	<b>88</b>	<b>*</b>	<b>0</b>
	Process Heating	*	0	*	65	*	0
	Process Cooling and Refrigeration	1	0	0	12	0	0
	Machine Drive	7	0	*	6	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	4	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>1</b>	<b>*</b>	<b>0</b>
	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

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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 Nonprocess Use	*	0	*	0	0	0
	End Use Not Reported	0	0	0	*	*	0
<b>325312</b>	<b>Phosphatic Fertilizers</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	13	*	1	11	*	2
	<b>Indirect Uses-Boiler Fuel</b>	0	*	*	1	0	0
	Conventional Boiler Use	0	0	0	1	0	0
	CHP and/or Cogeneration Process	0	*	*	1	0	0
	<b>Direct Uses-Total Process</b>	12	*	*	10	*	2
	Process Heating	*	*	*	8	*	2
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	12	0	*	2	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	1	0	*	*	*	0
	Facility HVAC (g)	*	0	0	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	End Use Not Reported	0	0	0	0	*	0
<b>3254</b>	<b>Pharmaceuticals and Medicines</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	47	1	1	46	*	6
	<b>Indirect Uses-Boiler Fuel</b>	1	1	*	37	*	6
	Conventional Boiler Use	1	*	*	20	*	6
	CHP and/or Cogeneration Process	0	1	*	17	*	0
	<b>Direct Uses-Total Process</b>	26	0	*	3	*	*
	Process Heating	6	0	*	2	*	*
	Process Cooling and Refrigeration	6	0	*	*	0	0
	Machine Drive	13	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	20	0	1	6	*	0
	Facility HVAC (g)	12	0	*	5	*	0
	Facility Lighting	5	--	--	--	--	--
	Other Facility Support	2	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	1	0	*	1	*	0
	End Use Not Reported	1	0	*	*	*	0
<b>325412</b>	<b>Pharmaceutical Preparation</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	37	1	1	31	*	5
	<b>Indirect Uses-Boiler Fuel</b>	1	1	*	25	*	5
	Conventional Boiler Use	1	*	*	12	*	5

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	CHP and/or Cogeneration Process	0	1	*	13	*	0
	<b>Direct Uses-Total Process</b>	21	0	*	2	*	*
	Process Heating	6	0	*	2	0	*
	Process Cooling and Refrigeration	4	0	0	*	0	0
	Machine Drive	10	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	15	0	1	4	*	0
	Facility HVAC (g)	9	0	*	3	*	0
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	1	0	*	1	*	0
	<b>End Use Not Reported</b>	Q	0	*	*	*	0
<b>325992</b>	<b>Photographic Film, Paper, Plate, and Chemicals</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	7	*	*	7	*	16
	<b>Indirect Uses-Boiler Fuel</b>	1	*	*	4	0	16
	Conventional Boiler Use	1	*	*	1	0	0
	CHP and/or Cogeneration Process	0	*	*	3	0	16
	<b>Direct Uses-Total Process</b>	4	0	*	2	*	0
	Process Heating	*	0	*	1	*	0
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	3	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	2	*	*	1	*	0
	Facility HVAC (g)	1	*	*	1	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	0	0	0	*	*	0
<b>326</b>	<b>PLASTICS AND RUBBER PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	182	9	3	127	5	Q
	<b>Indirect Uses-Boiler Fuel</b>	1	6	Q	58	*	Q
	Conventional Boiler Use	1	6	Q	58	*	Q
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	139	Q	Q	37	Q	0
	Process Heating	28	Q	*	31	Q	0
	Process Cooling and Refrigeration	16	0	0	*	0	0
	Machine Drive	92	0	*	3	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	Q	Q	Q	3	*	0
	<b>Direct Uses-Total Nonprocess</b>	41	Q	Q	27	3	0
	Facility HVAC (g)	20	Q	*	24	Q	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Facility Lighting	16	--	--	--	--	--
	Other Facility Support	5	0	*	2	*	0
	Onsite Transportation	1	--	*	*	2	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	1	0	*	Q	*	0
<b>327</b>	<b>NONMETALLIC MINERAL PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	153	3	30	459	5	320
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	21	Q	*
	Conventional Boiler Use	*	0	*	20	Q	*
	CHP and/or Cogeneration Process	0	0	0	1	0	0
	<b>Direct Uses-Total Process</b>	130	3	18	364	Q	W
	Process Heating	33	3	2	357	Q	W
	Process Cooling and Refrigeration	4	0	*	*	0	0
	Machine Drive	88	0	12	6	*	2
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	5	0	4	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	21	*	11	19	2	0
	Facility HVAC (g)	10	*	*	17	*	0
	Facility Lighting	8	--	--	--	--	--
	Other Facility Support	3	*	*	1	*	0
	Onsite Transportation	1	--	8	*	1	--
	Conventional Electricity Generation	--	0	Q	*	*	0
	Other Nonprocess Use	*	0	2	*	*	0
	<b>End Use Not Reported</b>	1	0	1	55	*	W
<b>327211</b>	<b>Flat Glass</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	6	1	*	52	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	2	0	0
	Conventional Boiler Use	*	0	*	2	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	6	1	*	49	*	0
	Process Heating	3	1	*	49	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	3	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	1	0	*	1	*	0
	Facility HVAC (g)	*	0	*	1	*	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
	<b>End Use Not Reported</b>	0	0	0	*	0	0
<b>327212</b>	<b>Other Pressed and Blown Glass and Glassware</b>						

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>TOTAL FUEL CONSUMPTION</b>	17	0	*	Q	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	Q	*	0
	Conventional Boiler Use	*	0	*	Q	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	15	0	*	Q	*	0
	Process Heating	4	0	*	Q	*	0
	Process Cooling and Refrigeration	Q	0	0	0	0	0
	Machine Drive	Q	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	0	*	0
	<b>Direct Uses-Total Nonprocess</b>	2	0	*	3	*	0
	Facility HVAC (g)	Q	0	*	Q	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	0	0	*	0	*	0
	<b>End Use Not Reported</b>	*	0	0	3	*	0
<b>327213</b>	<b>Glass Containers</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	13	0	*	50	*	0
	<b>Indirect Uses-Boiler Fuel</b>	0	0	0	*	0	0
	Conventional Boiler Use	0	0	0	*	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	12	0	*	48	*	0
	Process Heating	5	0	*	48	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	7	0	*	0	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	1	0	*	2	*	0
	Facility HVAC (g)	1	0	*	2	*	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
	<b>End Use Not Reported</b>	0	0	0	0	0	0
<b>327215</b>	<b>Glass Products from Purchased Glass</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	13	0	*	52	*	*
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	9	*	*
	Conventional Boiler Use	*	0	*	9	*	*
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	10	0	*	5	*	0
	Process Heating	6	0	*	5	*	0
	Process Cooling and Refrigeration	1	0	*	0	0	0
	Machine Drive	3	0	*	*	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>2</b>	<b>0</b>	<b>*</b>	<b>2</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	1	0	*	2	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>Q</b>	<b>*</b>	<b>*</b>
<b>327310</b>	<b>Cements</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>46</b>	<b>1</b>	<b>3</b>	<b>20</b>	<b>*</b>	<b>235</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>1</b>	<b>*</b>	<b>0</b>
	Conventional Boiler Use	0	0	*	Q	*	0
	CHP and/or Cogeneration Process	0	0	0	1	0	0
	<b>Direct Uses-Total Process</b>	<b>39</b>	<b>1</b>	<b>1</b>	<b>18</b>	<b>*</b>	<b>232</b>
	Process Heating	4	1	1	17	*	231
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	34	0	*	Q	*	2
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>6</b>	<b>*</b>	<b>2</b>	<b>*</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	3	*	*	*	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	2	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	<b>End Use Not Reported</b>	<b>*</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>2</b>
<b>327410</b>	<b>Lime</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>5</b>	<b>*</b>	<b>1</b>	<b>5</b>	<b>*</b>	<b>78</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>
	Conventional Boiler Use	0	0	0	*	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	<b>4</b>	<b>*</b>	<b>*</b>	<b>5</b>	<b>*</b>	<b>W</b>
	Process Heating	1	*	*	5	*	W
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	4	0	*	0	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	0	0	0
	<b>Direct Uses-Total Nonprocess</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	0	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>End Use Not Reported</b>	0	0	*	*	*	W
<b>327420</b>	<b>Gypsum</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	6	*	1	76	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	2	0	0
	Conventional Boiler Use	*	0	*	2	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	6	0	*	71	*	0
	Process Heating	*	0	*	71	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	5	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	0	0	0	0	0	0
	<b>Direct Uses-Total Nonprocess</b>	1	*	1	1	*	0
	Facility HVAC (g)	*	*	0	1	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	*	*	*	0	0
	Onsite Transportation	*	--	1	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	0	0	*	0
	<b>End Use Not Reported</b>	*	0	0	3	*	0
<b>327993</b>	<b>Mineral Wool</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	14	0	*	34	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	*	*	0
	Conventional Boiler Use	*	0	*	*	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	12	0	*	27	*	0
	Process Heating	5	0	0	27	*	0
	Process Cooling and Refrigeration	*	0	*	*	0	0
	Machine Drive	5	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	2	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	1	0	*	2	*	0
	Facility HVAC (g)	*	0	*	2	*	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
	<b>End Use Not Reported</b>	0	0	*	5	*	0
<b>331</b>	<b>PRIMARY METALS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	478	19	6	585	4	21
	<b>Indirect Uses-Boiler Fuel</b>	1	4	*	57	*	2
	Conventional Boiler Use	1	*	*	30	*	*
	CHP and/or Cogeneration Process	0	4	0	28	0	2

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>Direct Uses-Total Process</b>	438	12	2	478	2	14
	Process Heating	135	12	1	458	2	5
	Process Cooling and Refrigeration	4	0	*	2	*	0
	Machine Drive	148	0	*	8	*	0
	Electro-Chemical Processes	146	--	--	--	--	--
	Other Process Use	4	0	*	10	*	9
	<b>Direct Uses-Total Nonprocess</b>	38	*	4	41	1	3
	Facility HVAC (g)	16	*	*	38	*	0
	Facility Lighting	16	--	--	--	--	--
	Other Facility Support	4	*	*	3	*	0
	Onsite Transportation	*	--	4	Q	1	--
	Conventional Electricity Generation	--	0	*	*	*	3
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	1	4	*	8	*	3
<b>33111</b>	<b>Iron and Steel Mills</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	189	19	3	326	*	14
	<b>Indirect Uses-Boiler Fuel</b>	1	4	*	27	0	1
	Conventional Boiler Use	1	*	*	14	0	0
	CHP and/or Cogeneration Process	0	4	0	13	0	1
	<b>Direct Uses-Total Process</b>	174	11	1	285	*	14
	Process Heating	77	11	*	272	*	4
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	89	0	*	5	*	0
	Electro-Chemical Processes	6	--	--	--	--	--
	Other Process Use	1	0	*	7	*	9
	<b>Direct Uses-Total Nonprocess</b>	14	0	2	15	*	0
	Facility HVAC (g)	5	0	*	14	*	0
	Facility Lighting	7	--	--	--	--	--
	Other Facility Support	1	0	0	1	*	0
	Onsite Transportation	*	--	2	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	4	0	*	*	0
<b>33112</b>	<b>Electrometallurgical Ferroalloy Products</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	11	0	*	1	*	2
	<b>Indirect Uses-Boiler Fuel</b>	0	0	0	1	0	0
	Conventional Boiler Use	0	0	0	1	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	10	0	0	1	0	0
	Process Heating	6	0	0	*	0	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	1	0	0	0	0	0
	Electro-Chemical Processes	3	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	<b>Direct Uses-Total Nonprocess</b>	*	0	*	*	*	0
	Facility HVAC (g)	*	0	0	*	0	0
	Facility Lighting	*	--	--	--	--	--



**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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 Facility Support	*	0	0	*	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	<b>End Use Not Reported</b>	0	0	0	0	0	2
<b>3312</b>	<b>Steel Products from Purchased Steel</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	15	0	*	26	*	*
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	3	0	*
	Conventional Boiler Use	*	0	*	3	0	*
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	13	0	*	18	*	0
	Process Heating	4	0	*	18	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	8	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	2	0	*	4	*	0
	Facility HVAC (g)	1	0	0	3	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	0	*	*	0
	<b>End Use Not Reported</b>	*	0	0	*	*	0
<b>3313</b>	<b>Alumina and Aluminum</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	153	*	1	116	1	*
	<b>Indirect Uses-Boiler Fuel</b>	*	*	*	18	*	0
	Conventional Boiler Use	*	*	*	4	*	0
	CHP and/or Cogeneration Process	0	0	0	14	0	0
	<b>Direct Uses-Total Process</b>	147	*	*	91	1	*
	Process Heating	7	*	*	87	1	*
	Process Cooling and Refrigeration	1	0	0	2	0	0
	Machine Drive	19	0	*	1	*	0
	Electro-Chemical Processes	120	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	6	0	1	5	*	0
	Facility HVAC (g)	2	0	*	4	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	*	0	0	2	*	0
<b>331314</b>	<b>Secondary Smelting and Alloying of Aluminum</b>						

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>TOTAL FUEL CONSUMPTION</b>	2	*	*	18	*	*
	<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	0
	<b>Direct Uses-Total Process</b>	2	*	*	18	*	*
	Process Heating	*	*	0	16	*	*
	Process Cooling and Refrigeration	*	0	0	1	0	0
	Machine Drive	1	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	0	0	0
	<b>Direct Uses-Total Nonprocess</b>	*	0	*	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	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	0	*	*	0
<b>331315</b>	<b>Aluminum Sheet, Plate and Foils</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	13	0	*	37	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	1	0	0
	Conventional Boiler Use	*	0	*	1	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	12	0	*	33	*	0
	Process Heating	3	0	*	32	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	9	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	2	0	*	2	*	0
	Facility HVAC (g)	1	0	*	1	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	*	0
	<b>End Use Not Reported</b>	*	0	0	1	0	0
<b>331316</b>	<b>Aluminum Extruded Products</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	7	*	*	17	1	0
	<b>Indirect Uses-Boiler Fuel</b>	*	*	0	1	*	0
	Conventional Boiler Use	*	*	0	1	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	6	0	*	15	1	0
	Process Heating	1	0	*	14	1	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	4	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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 Process Use	*	0	0	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	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	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	0	0	0	*	*	0
<b>3314</b>	<b>Nonferrous Metals, except Aluminum</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	53	*	1	43	1	4
	<b>Indirect Uses-Boiler Fuel</b>	1	*	*	5	*	1
	Conventional Boiler Use	1	*	*	5	*	0
	CHP and/or Cogeneration Process	0	0	0	*	0	1
	<b>Direct Uses-Total Process</b>	47	*	*	32	1	*
	Process Heating	17	*	*	30	1	*
	Process Cooling and Refrigeration	1	0	*	*	*	0
	Machine Drive	14	0	*	1	*	0
	Electro-Chemical Processes	14	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	5	*	*	3	*	3
	Facility HVAC (g)	2	*	*	3	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	3
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	0	0	3	*	1
<b>3315</b>	<b>Foundries</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	57	*	1	72	1	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	3	*	0
	Conventional Boiler Use	*	0	*	3	*	0
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	47	*	*	52	*	0
	Process Heating	26	*	*	50	*	0
	Process Cooling and Refrigeration	1	0	*	*	0	0
	Machine Drive	17	0	*	1	*	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	10	*	1	14	*	0
	Facility HVAC (g)	5	*	*	13	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	*	*	1	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	0	*	3	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
331511	<b>Iron Foundries</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	29	*	1	24	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	0	1	*	0
	Conventional Boiler Use	*	0	0	1	*	0
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	24	*	*	15	*	0
	Process Heating	14	*	*	13	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	8	0	*	*	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	5	0	1	7	*	0
	Facility HVAC (g)	3	0	*	7	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	0	0	*	*	*	0
331521	<b>Aluminum Die-Casting Foundries</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	7	0	*	15	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	1	*	0
	Conventional Boiler Use	*	0	*	1	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	5	0	*	12	*	0
	Process Heating	2	0	*	12	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	3	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	2	0	*	2	*	0
	Facility HVAC (g)	1	0	0	2	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	0	0	0	1	*	0
331524	<b>Aluminum Foundries, except Die-Casting</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	4	*	*	13	*	0
	<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	0
	<b>Direct Uses-Total Process</b>	3	*	*	11	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Process Heating	1	*	*	11	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	2	0	0	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>2</b>	<b>*</b>	<b>0</b>
	Facility HVAC (g)	*	*	*	2	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	*	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	0	0	*	0
	<b>End Use Not Reported</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>*</b>	<b>0</b>
<b>332</b>	<b>FABRICATED METAL PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>144</b>	<b>*</b>	<b>2</b>	<b>240</b>	<b>4</b>	<b>0</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>37</b>	<b>0</b>	<b>0</b>
	Conventional Boiler Use	1	*	*	35	0	0
	CHP and/or Cogeneration Process	0	0	0	Q	0	0
	<b>Direct Uses-Total Process</b>	<b>111</b>	<b>0</b>	<b>Q</b>	<b>158</b>	<b>1</b>	<b>0</b>
	Process Heating	28	0	Q	155	Q	0
	Process Cooling and Refrigeration	5	0	0	Q	0	0
	Machine Drive	71	0	*	1	*	0
	Electro-Chemical Processes	3	--	--	--	--	--
	Other Process Use	4	0	*	Q	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>31</b>	<b>*</b>	<b>2</b>	<b>38</b>	<b>3</b>	<b>0</b>
	Facility HVAC (g)	14	*	*	35	1	0
	Facility Lighting	14	--	--	--	--	--
	Other Facility Support	3	0	*	2	*	0
	Onsite Transportation	*	--	1	*	3	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>Q</b>	<b>*</b>	<b>0</b>
<b>333</b>	<b>MACHINERY</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	<b>112</b>	<b>Q</b>	<b>2</b>	<b>84</b>	<b>3</b>	<b>1</b>
	<b>Indirect Uses-Boiler Fuel</b>	<b>Q</b>	<b>Q</b>	<b>*</b>	<b>21</b>	<b>0</b>	<b>1</b>
	Conventional Boiler Use	Q	Q	*	16	0	0
	CHP and/or Cogeneration Process	0	0	0	Q	0	1
	<b>Direct Uses-Total Process</b>	<b>63</b>	<b>0</b>	<b>*</b>	<b>29</b>	<b>*</b>	<b>0</b>
	Process Heating	8	0	*	25	*	0
	Process Cooling and Refrigeration	3	0	*	*	0	0
	Machine Drive	50	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	2	0	*	Q	*	0
	<b>Direct Uses-Total Nonprocess</b>	<b>46</b>	<b>0</b>	<b>1</b>	<b>33</b>	<b>3</b>	<b>0</b>
	Facility HVAC (g)	25	0	*	31	Q	0
	Facility Lighting	16	--	--	--	--	--
	Other Facility Support	3	0	*	Q	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Onsite Transportation	1	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	1	*	*	0
	<b>End Use Not Reported</b>	Q	0	0	2	*	0
<b>334</b>	<b>COMPUTER AND ELECTRONIC PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	94	*	1	45	*	0
	<b>Indirect Uses-Boiler Fuel</b>	1	*	*	19	*	0
	Conventional Boiler Use	1	*	*	19	*	0
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	48	0	*	4	*	0
	Process Heating	10	0	*	3	*	0
	Process Cooling and Refrigeration	10	0	*	*	0	0
	Machine Drive	19	0	*	*	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	7	0	*	1	0	0
	<b>Direct Uses-Total Nonprocess</b>	45	*	1	18	*	0
	Facility HVAC (g)	26	*	*	17	*	0
	Facility Lighting	11	--	--	--	--	--
	Other Facility Support	6	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	2	0	*	1	*	0
	<b>End Use Not Reported</b>	*	0	*	Q	*	0
<b>334413</b>	<b>Semiconductors and Related Devices</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	44	*	*	19	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	0	*	9	0	0
	Conventional Boiler Use	*	0	*	9	0	0
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	28	0	*	2	*	0
	Process Heating	6	0	*	1	*	0
	Process Cooling and Refrigeration	6	0	*	*	0	0
	Machine Drive	9	0	0	*	0	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	6	0	*	1	0	0
	<b>Direct Uses-Total Nonprocess</b>	16	*	*	8	*	0
	Facility HVAC (g)	11	*	*	7	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	2	0	0	*	*	0
	Onsite Transportation	*	--	0	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	0	0	*	*	*	0
<b>335</b>	<b>ELEC. EQUIP., APPLIANCES, COMPONENTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	44	0	Q	41	1	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>Indirect Uses-Boiler Fuel</b>	*	0	0	7	0	0
	Conventional Boiler Use	*	0	0	7	0	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	30	0	*	25	*	0
	Process Heating	10	0	*	23	*	0
	Process Cooling and Refrigeration	2	0	*	Q	0	0
	Machine Drive	16	0	*	0	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	13	0	*	9	1	0
	Facility HVAC (g)	6	0	*	8	*	0
	Facility Lighting	5	--	--	--	--	--
	Other Facility Support	2	0	*	*	0	0
	Onsite Transportation	*	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	Q	0	*	Q	*	0
<b>336</b>	<b>TRANSPORTATION EQUIPMENT</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	197	7	3	249	4	5
	<b>Indirect Uses-Boiler Fuel</b>	2	6	*	42	*	5
	Conventional Boiler Use	2	4	*	37	*	5
	CHP and/or Cogeneration Process	0	2	*	4	0	*
	<b>Direct Uses-Total Process</b>	118	*	Q	114	1	0
	Process Heating	27	*	*	75	Q	0
	Process Cooling and Refrigeration	12	*	0	2	*	0
	Machine Drive	73	*	Q	3	*	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	5	0	*	Q	*	0
	<b>Direct Uses-Total Nonprocess</b>	76	Q	2	89	2	0
	Facility HVAC (g)	38	Q	*	85	*	0
	Facility Lighting	29	--	--	--	--	--
	Other Facility Support	7	*	*	Q	*	0
	Onsite Transportation	1	--	1	*	2	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	1	*	*	*	*	0
	<b>End Use Not Reported</b>	1	0	*	4	*	*
<b>336111</b>	<b>Automobiles</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	13	*	*	21	*	2
	<b>Indirect Uses-Boiler Fuel</b>	*	*	0	3	0	2
	Conventional Boiler Use	*	*	0	3	0	2
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	7	0	*	13	*	0
	Process Heating	1	0	0	11	*	0
	Process Cooling and Refrigeration	1	0	0	1	0	0
	Machine Drive	5	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	*	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	<b>Direct Uses-Total Nonprocess</b>	6	0	*	5	*	0
	Facility HVAC (g)	3	0	*	5	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	*	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	*	0	*	1	*	*
<b>336112</b>	<b>Light Trucks and Utility Vehicles</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	15	*	*	25	*	1
	<b>Indirect Uses-Boiler Fuel</b>	*	*	*	6	*	1
	Conventional Boiler Use	*	*	*	6	*	1
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	10	0	*	12	*	0
	Process Heating	*	0	0	11	*	0
	Process Cooling and Refrigeration	1	0	0	*	*	0
	Machine Drive	7	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	*	*	0
	<b>Direct Uses-Total Nonprocess</b>	6	0	*	7	*	0
	Facility HVAC (g)	3	0	*	7	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	0	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	*	0	*	*	*	0
<b>3364</b>	<b>Aerospace Products</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	41	3	1	30	*	*
	<b>Indirect Uses-Boiler Fuel</b>	1	3	*	14	*	*
	Conventional Boiler Use	1	1	*	10	*	*
	CHP and/or Cogeneration Process	0	2	*	4	0	0
	<b>Direct Uses-Total Process</b>	19	*	*	7	*	0
	Process Heating	5	*	*	4	*	0
	Process Cooling and Refrigeration	3	*	0	*	*	0
	Machine Drive	9	*	*	Q	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	21	*	*	8	*	0
	Facility HVAC (g)	11	*	*	7	*	0
	Facility Lighting	8	--	--	--	--	--
	Other Facility Support	2	*	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	<b>End Use Not Reported</b>	*	0	*	2	*	0



**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
336411	<b>Aircraft</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	12	*	*	8	*	0
	<b>Indirect Uses-Boiler Fuel</b>	*	*	*	5	*	0
	Conventional Boiler Use	*	*	*	5	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	5	0	*	2	*	0
	Process Heating	1	0	*	1	*	0
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	0	0	0
	<b>Direct Uses-Total Nonprocess</b>	7	0	*	2	*	0
	Facility HVAC (g)	3	0	*	2	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	0	*	0	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	*	0	*	0	*	0
337	<b>FURNITURE AND RELATED PRODUCTS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	32	*	Q	17	1	3
	<b>Indirect Uses-Boiler Fuel</b>	*	*	Q	1	*	1
	Conventional Boiler Use	*	*	Q	1	*	1
	CHP and/or Cogeneration Process	0	0	0	*	0	0
	<b>Direct Uses-Total Process</b>	15	0	*	7	*	0
	Process Heating	2	0	*	7	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	13	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	0	*	0
	<b>Direct Uses-Total Nonprocess</b>	10	*	Q	7	*	1
	Facility HVAC (g)	4	*	*	7	*	1
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	1	0	0	*	0	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	<b>End Use Not Reported</b>	Q	0	0	Q	*	Q
339	<b>MISCELLANEOUS</b>						
	<b>TOTAL FUEL CONSUMPTION</b>	33	Q	*	25	1	0
	<b>Indirect Uses-Boiler Fuel</b>	1	Q	0	4	*	0
	Conventional Boiler Use	1	Q	0	4	*	0
	CHP and/or Cogeneration Process	0	0	0	0	0	0
	<b>Direct Uses-Total Process</b>	17	*	*	6	*	0
	Process Heating	3	*	*	5	*	0

**Table 5.4 End Uses of Fuel Consumption, 2006;****Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Trillion Btu.**

NAICS Code(a)	End Use	Net Demand for 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)
	Process Cooling and Refrigeration	2	0	0	*	0	0
	Machine Drive	11	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	<b>Direct Uses-Total Nonprocess</b>	15	*	*	14	*	0
	Facility HVAC (g)	8	*	*	13	*	0
	Facility Lighting	6	--	--	--	--	--
	Other Facility Support	2	0	0	1	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	<b>End Use Not Reported</b>	*	0	*	Q	*	0

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

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

(c) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

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

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

(f) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.

\* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable.

S=Negative value.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.

Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing

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Next MECS will be conducted in 2010

**Table 5.4 End Uses of Fuel Consumption, 2006;**

**Level: National Data;**

**Row: End Uses within NAICS Codes;**

**Column: Energy Sources, including Net Demand for Electricity;**

**Unit: Trillion Btu.**

<b>NAICS Code(a)</b>	<b>End Use</b>	<b>Net Demand for Electricity(b)</b>	<b>Residual Fuel Oil</b>	<b>Distillate Fuel Oil and Diesel Fuel(c)</b>	<b>Natural Gas(d)</b>	<b>LPG and NGL(e)</b>	<b>Coal (excluding Coal Coke and Breeze)</b>
	Energy Consumption Survey. <sup>1</sup>						