Released: October 2017
Next MECS will be fielded in 2019

Table 5.2   End Uses of Fuel Consumption, 2014;

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)	HGL (excluding natural gasoline)(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Total United States								
311 - 339	**ALL MANUFACTURING INDUSTRIES**								
	TOTAL FUEL CONSUMPTION	14,903	2,600	30	99	5,858	84	776	5,455
	Indirect Uses-Boiler Fuel	--	33	21	12	2,305	8	393	--
	Conventional Boiler Use	--	33	11	4	756	4	48	--
	CHP and/or Cogeneration Process	--	--	10	9	1,549	3	344	--
	Direct Uses-Total Process	--	2,028	8	26	2,953	43	298	--
	Process Heating	--	342	7	5	2,590	37	280	--
	Process Cooling and Refrigeration	--	189	*	*	27	*	0	--
	Machine Drive	--	1,253	*	13	162	3	1	--
	Electro-Chemical Processes	--	176	--	--	--	--	--	--
	Other Process Use	--	66	*	8	173	3	17	--
	Direct Uses-Total Nonprocess	--	492	1	58	433	27	4	--
	Facility HVAC (g)	--	247	*	4	369	7	3	--
	Facility Lighting	--	170	--	--	--	--	--	--
	Other Facility Support	--	52	*	2	41	*	*	--
	Onsite Transportation	--	13	--	39	2	20	--	--
	Conventional Electricity Generation	--	--	*	3	12	*	2	--
	Other Nonprocess Use	--	11	*	11	8	*	*	--
	End Use Not Reported	5,761	48	*	3	168	5	81	5,455
311	**FOOD**								
	TOTAL FUEL CONSUMPTION	1,114	247	4	20	570	6	110	158
	Indirect Uses-Boiler Fuel	--	7	3	4	330	2	74	--
	Conventional Boiler Use	--	7	2	1	147	1	12	--
	CHP and/or Cogeneration Process	--	--	1	3	183	1	62	--
	Direct Uses-Total Process	--	189	*	3	181	2	14	--
	Process Heating	--	11	*	*	162	1	14	--
	Process Cooling and Refrigeration	--	66	*	*	3	*	0	--
	Machine Drive	--	106	*	1	4	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	5	0	Q	11	*	0	--
	Direct Uses-Total Nonprocess	--	46	*	12	49	2	*	--
	Facility HVAC (g)	--	20	*	1	33	1	*	--
	Facility Lighting	--	18	--	--	--	--	--	--
	Other Facility Support	--	5	*	1	15	*	*	--
	Onsite Transportation	--	2	--	5	*	1	--	--
	Conventional Electricity Generation	--	--	0	Q	*	*	0	--
	Other Nonprocess Use	--	*	0	3	1	*	0	--
	End Use Not Reported	197	5	0	*	10	*	22	158
3112	**Grain and Oilseed Milling**								
	TOTAL FUEL CONSUMPTION	278	50	*	1	133	*	65	29
	Indirect Uses-Boiler Fuel	--	2	*	*	86	*	42	--
	Conventional Boiler Use	--	2	0	*	50	*	12	--
	CHP and/or Cogeneration Process	--	--	*	*	36	*	30	--
	Direct Uses-Total Process	--	43	*	*	42	*	1	--
	Process Heating	--	1	*	*	35	*	1	--
	Process Cooling and Refrigeration	--	5	0	*	2	0	0	--
	Machine Drive	--	36	0	*	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	5	*	0	--
	Direct Uses-Total Nonprocess	--	5	*	1	4	*	*	--
	Facility HVAC (g)	--	2	*	*	3	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	1	*	*	--

Onsite Transportation	--	*	--	1	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	52	*	0	*	*	*	22	29

311221   Wet Corn Milling

TOTAL FUEL CONSUMPTION	138	22	0	*	48	*	55	13
Indirect Uses-Boiler Fuel	--	1	0	*	32	0	33	--
Conventional Boiler Use	--	1	0	*	18	0	9	--
CHP and/or Cogeneration Process	--	--	0	0	14	0	23	--
Direct Uses-Total Process	--	20	0	*	15	*	1	--
Process Heating	--	*	0	*	15	*	1	--
Process Cooling and Refrigeration	--	3	0	0	*	0	0	--
Machine Drive	--	16	0	*	*	0	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	*	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	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	*	0	--
Other Nonprocess Use	--	0	0	*	0	0	0	--
End Use Not Reported	35	0	0	0	0	*	22	13

31131   Sugar

TOTAL FUEL CONSUMPTION	174	4	*	2	16	*	45	108
Indirect Uses-Boiler Fuel	--	*	*	1	10	0	32	--
Conventional Boiler Use	--	*	*	0	3	0	0	--
CHP and/or Cogeneration Process	--	--	*	1	8	0	32	--
Direct Uses-Total Process	--	3	*	*	5	0	13	--
Process Heating	--	*	0	0	5	0	13	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	3	*	*	0	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	0	0	0	*	0	0	--
Direct Uses-Total Nonprocess	--	1	0	1	*	*	0	--
Facility HVAC (g)	--	*	0	0	*	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	0	0	--
Onsite Transportation	--	*	--	1	0	*	--	--
Conventional Electricity Generation	--	--	0	0	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	108	0	0	0	0	*	0	108

3114   Fruit and Vegetable Preserving and Specialty Foods

TOTAL FUEL CONSUMPTION	146	33	*	1	105	1	*	5
Indirect Uses-Boiler Fuel	--	1	*	*	69	*	*	--
Conventional Boiler Use	--	1	*	*	23	*	0	--
CHP and/or Cogeneration Process	--	--	*	*	46	*	*	--
Direct Uses-Total Process	--	24	*	*	21	Q	0	--
Process Heating	--	2	*	*	20	*	0	--
Process Cooling and Refrigeration	--	13	0	*	*	0	0	--
Machine Drive	--	9	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	7	*	*	9	1	0	--
Facility HVAC (g)	--	3	*	*	7	*	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	*	0	--
End Use Not Reported	12	*	0	*	6	*	0	5

3115   Dairy Products

TOTAL FUEL CONSUMPTION	109	35	1	3	68	1	*	2

Indirect Uses-Boiler Fuel	--	1	1	1	44	*	0	--
Conventional Boiler Use	--	1	1	*	21	*	0	--
CHP and/or Cogeneration Process	--	--	*	*	23	*	0	--
Direct Uses-Total Process	--	25	*	Q	18	*	*	--
Process Heating	--	1	*	*	15	*	*	--
Process Cooling and Refrigeration	--	12	*	*	*	0	0	--
Machine Drive	--	12	*	*	1	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	6	*	1	4	*	*	--
Facility HVAC (g)	--	3	*	*	4	*	*	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	1	0	0	1	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	1	*	*	0	--
End Use Not Reported	6	2	0	*	2	*	0	2

3116   Animal Slaughtering and Processing

TOTAL FUEL CONSUMPTION	201	62	1	5	126	2	*	5
Indirect Uses-Boiler Fuel	--	2	1	1	79	1	*	--
Conventional Boiler Use	--	2	*	*	30	1	0	--
CHP and/or Cogeneration Process	--	--	1	1	49	*	*	--
Direct Uses-Total Process	--	48	0	*	27	*	0	--
Process Heating	--	3	0	*	22	*	0	--
Process Cooling and Refrigeration	--	26	0	*	*	*	0	--
Machine Drive	--	18	0	*	1	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	2	0	*	4	*	0	--
Direct Uses-Total Nonprocess	--	11	*	4	19	*	0	--
Facility HVAC (g)	--	4	0	*	8	*	0	--
Facility Lighting	--	5	--	--	--	--	--	--
Other Facility Support	--	1	*	*	11	*	0	--
Onsite Transportation	--	*	--	1	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	2	*	*	0	--
End Use Not Reported	8	Q	0	*	1	*	0	5

312   BEVERAGE AND TOBACCO PRODUCTS

TOTAL FUEL CONSUMPTION	95	33	*	1	48	1	7	4
Indirect Uses-Boiler Fuel	--	1	*	*	34	*	7	--
Conventional Boiler Use	--	1	*	*	21	*	2	--
CHP and/or Cogeneration Process	--	--	0	*	13	*	5	--
Direct Uses-Total Process	--	21	0	*	6	*	*	--
Process Heating	--	1	0	*	6	*	*	--
Process Cooling and Refrigeration	--	7	0	0	*	0	0	--
Machine Drive	--	12	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	9	0	1	6	1	*	--
Facility HVAC (g)	--	4	0	*	5	*	*	--
Facility Lighting	--	3	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	1	--	*	*	1	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	9	3	0	*	2	*	0	4

3121   Beverages

TOTAL FUEL CONSUMPTION	86	30	0	1	43	1	6	4
Indirect Uses-Boiler Fuel	--	*	0	*	31	*	6	--
Conventional Boiler Use	--	*	0	*	18	*	2	--
CHP and/or Cogeneration Process	--	--	0	*	13	*	4	--
Direct Uses-Total Process	--	19	0	*	5	*	0	--
Process Heating	--	1	0	*	5	*	0	--
Process Cooling and Refrigeration	--	6	0	0	*	0	0	--
Machine Drive	--	11	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	*	*	0	--

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
Direct Uses-Total Nonprocess	--	8	0	1	5	1	0	--
Facility HVAC (g)	--	3	0	*	4	*	0	--
Facility Lighting	--	3	--	--	--	--	--	--
Other Facility Support	--	1	0	0	*	*	0	--
Onsite Transportation	--	1	--	*	*	1	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	9	3	0	*	2	*	0	4

3122 Tobacco

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	9	3	*	*	5	*	1	*
Indirect Uses-Boiler Fuel	--	*	*	*	4	*	*	--
Conventional Boiler Use	--	*	*	*	3	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	1	*	*	--
Direct Uses-Total Process	--	2	0	*	1	*	*	--
Process Heating	--	*	0	*	1	*	*	--
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	--	2	0	*	1	*	*	--
Facility HVAC (g)	--	1	0	*	*	*	*	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	0	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
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

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	97	43	*	*	36	1	6	12
Indirect Uses-Boiler Fuel	--	1	*	*	13	*	6	--
Conventional Boiler Use	--	1	0	*	4	*	Q	--
CHP and/or Cogeneration Process	--	--	*	*	9	*	5	--
Direct Uses-Total Process	--	31	*	*	19	*	0	--
Process Heating	--	4	*	*	12	*	0	--
Process Cooling and Refrigeration	--	2	0	0	*	*	0	--
Machine Drive	--	25	0	0	Q	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	11	*	*	3	*	0	--
Facility HVAC (g)	--	6	*	*	2	*	0	--
Facility Lighting	--	3	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	12	*	0	0	1	*	0	12

314 TEXTILE PRODUCT MILLS

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	27	9	*	*	16	1	1	*
Indirect Uses-Boiler Fuel	--	*	*	*	7	*	1	--
Conventional Boiler Use	--	*	0	*	4	*	*	--
CHP and/or Cogeneration Process	--	--	*	*	2	*	1	--
Direct Uses-Total Process	--	6	0	*	6	*	0	--
Process Heating	--	1	0	*	6	*	0	--
Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
Machine Drive	--	5	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	3	0	*	4	*	0	--
Facility HVAC (g)	--	1	0	*	4	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	1	*	0	*	*	*	0	*

315 **APPAREL**

TOTAL FUEL CONSUMPTION	5	3	0	*	2	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	*	1	*	0	--
Conventional Boiler Use	--	*	0	*	*	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	*	0	--
Direct Uses-Total Process	--	1	0	*	*	*	0	--
Process Heating	--	*	0	0	*	*	0	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	1	0	0	*	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	0	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
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	0	--
Other Nonprocess Use	--	0	0	0	0	0	0	--
End Use Not Reported	*	*	0	0	*	*	0	*

316 **LEATHER AND ALLIED PRODUCTS**

TOTAL FUEL CONSUMPTION	3	1	*	*	1	*	0	*
Indirect Uses-Boiler Fuel	--	*	*	*	*	0	0	--
Conventional Boiler Use	--	*	0	0	*	0	0	--
CHP and/or Cogeneration Process	--	--	*	*	*	0	0	--
Direct Uses-Total Process	--	1	*	*	1	*	0	--
Process Heating	--	*	0	*	1	*	0	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	1	0	0	*	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	*	0	*	*	0	--
Direct Uses-Total Nonprocess	--	*	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	--
End Use Not Reported	*	*	0	0	*	*	0	*

321 **WOOD PRODUCTS**

TOTAL FUEL CONSUMPTION	384	73	*	10	49	3	1	248
Indirect Uses-Boiler Fuel	--	1	0	*	11	*	1	--
Conventional Boiler Use	--	1	0	*	4	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	7	*	*	--
Direct Uses-Total Process	--	60	*	2	32	1	*	--
Process Heating	--	4	*	*	28	1	*	--
Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
Machine Drive	--	54	*	1	2	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	*	Q	2	*	0	--
Direct Uses-Total Nonprocess	--	11	0	7	6	2	0	--
Facility HVAC (g)	--	6	0	*	6	*	0	--
Facility Lighting	--	4	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	*	--	7	*	2	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	250	1	0	Q	*	*	0	248

321113 **Sawmills**

TOTAL FUEL CONSUMPTION	123	17	*	5	6	*	*	95
Indirect Uses-Boiler Fuel	--	*	0	*	2	*	0	--
Conventional Boiler Use	--	*	0	*	1	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	1	*	0	--
Direct Uses-Total Process	--	15	*	1	4	*	*	--
Process Heating	--	1	*	*	4	*	*	--

Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	13	*	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	0	*	0	--
Direct Uses-Total Nonprocess	--	2	0	4	*	*	0	--
Facility HVAC (g)	--	1	0	*	*	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	4	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	96	*	0	Q	0	*	0	95

3212   Veneer, Plywood, and Engineered Woods

TOTAL FUEL CONSUMPTION	161	25	0	2	28	1	1	104
Indirect Uses-Boiler Fuel	--	1	0	*	4	*	1	--
Conventional Boiler Use	--	1	0	*	2	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	3	*	*	--
Direct Uses-Total Process	--	21	0	*	22	*	0	--
Process Heating	--	2	0	*	19	*	0	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	19	0	*	1	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	2	*	0	--
Direct Uses-Total Nonprocess	--	3	0	1	2	1	0	--
Facility HVAC (g)	--	1	0	*	1	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	1	0	1	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	104	*	0	*	*	*	0	104

321219   Reconstituted Wood Products

TOTAL FUEL CONSUMPTION	96	17	0	*	20	*	1	58
Indirect Uses-Boiler Fuel	--	*	0	*	3	*	1	--
Conventional Boiler Use	--	*	0	0	1	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	2	*	*	--
Direct Uses-Total Process	--	15	0	*	17	*	0	--
Process Heating	--	1	0	*	14	*	0	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	13	0	*	1	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	0	2	*	0	--
Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
Facility HVAC (g)	--	1	0	*	*	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	58	*	0	0	0	0	0	58

3219   Other Wood Products

TOTAL FUEL CONSUMPTION	94	29	*	3	13	2	0	Q
Indirect Uses-Boiler Fuel	--	*	0	*	4	*	0	--
Conventional Boiler Use	--	*	0	*	1	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	3	*	0	--
Direct Uses-Total Process	--	23	*	Q	5	*	0	--
Process Heating	--	1	0	*	4	*	0	--
Process Cooling and Refrigeration	--	*	0	*	*	0	0	--
Machine Drive	--	21	*	*	Q	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	Q	*	*	0	--
Direct Uses-Total Nonprocess	--	6	0	2	4	1	0	--
Facility HVAC (g)	--	4	0	*	4	*	0	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	*	0	--
Onsite Transportation	--	*	--	2	*	1	--	--

Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	Q	*	0	*	*	*	0	Q

322   PAPER

TOTAL FUEL CONSUMPTION	2,090	191	17	5	436	3	146	1,291
Indirect Uses-Boiler Fuel	--	5	12	2	270	*	134	--
Conventional Boiler Use	--	5	5	*	42	0	8	--
CHP and/or Cogeneration Process	--	--	8	2	228	*	126	--
Direct Uses-Total Process	--	165	4	*	143	*	7	--
Process Heating	--	8	4	*	123	*	5	--
Process Cooling and Refrigeration	--	4	0	0	*	0	0	--
Machine Drive	--	142	*	*	17	*	*	--
Electro-Chemical Processes	--	2	--	--	--	--	--	--
Other Process Use	--	11	0	*	3	*	2	--
Direct Uses-Total Nonprocess	--	19	*	2	22	2	2	--
Facility HVAC (g)	--	8	*	*	17	*	*	--
Facility Lighting	--	8	--	--	--	--	--	--
Other Facility Support	--	2	0	*	2	*	0	--
Onsite Transportation	--	1	--	2	*	2	--	--
Conventional Electricity Generation	--	--	*	*	3	*	2	--
Other Nonprocess Use	--	*	*	*	*	*	0	--
End Use Not Reported	1,299	2	*	*	Q	*	3	1,291

322110   Pulp Mills

TOTAL FUEL CONSUMPTION	255	5	2	1	29	*	1	216
Indirect Uses-Boiler Fuel	--	*	2	*	15	*	1	--
Conventional Boiler Use	--	*	0	*	0	0	0	--
CHP and/or Cogeneration Process	--	--	2	*	15	*	1	--
Direct Uses-Total Process	--	4	*	*	14	*	0	--
Process Heating	--	*	*	*	14	*	0	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	4	0	*	0	0	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	0	0	0	0	0	0	--
Direct Uses-Total Nonprocess	--	*	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	0	--
Other Nonprocess Use	--	0	0	0	0	0	0	--
End Use Not Reported	216	0	0	0	0	*	0	216

322121   Paper Mills, except Newsprint

TOTAL FUEL CONSUMPTION	752	59	9	2	160	1	93	427
Indirect Uses-Boiler Fuel	--	2	7	1	89	*	84	--
Conventional Boiler Use	--	2	4	*	15	0	6	--
CHP and/or Cogeneration Process	--	--	3	1	75	*	78	--
Direct Uses-Total Process	--	53	2	*	65	*	5	--
Process Heating	--	2	2	*	49	*	3	--
Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
Machine Drive	--	49	*	*	15	*	*	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	1	0	2	--
Direct Uses-Total Nonprocess	--	4	*	1	6	1	1	--
Facility HVAC (g)	--	1	*	*	3	*	*	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	1	*	1	--	--
Conventional Electricity Generation	--	--	*	*	3	0	1	--
Other Nonprocess Use	--	0	*	*	*	*	0	--
End Use Not Reported	431	0	0	*	0	*	3	427

322122   Newsprint Mills

TOTAL FUEL CONSUMPTION	59	28	0	*	8	*	1	22
Indirect Uses-Boiler Fuel	--	1	0	*	6	0	1	--

Conventional Boiler Use	--	1	0	0	*	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	6	0	1	--
Direct Uses-Total Process	--	26	0	*	2	*	0	--
Process Heating	--	*	0	0	2	*	0	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	16	0	*	0	0	0	--
Electro-Chemical Processes	--	1	--	--	--	--	--	--
Other Process Use	--	9	0	*	*	0	0	--
Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
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	--
End Use Not Reported	23	1	0	0	0	0	0	22

322130 Paperboard Mills

TOTAL FUEL CONSUMPTION	917	55	5	2	188	1	45	621
Indirect Uses-Boiler Fuel	--	1	3	1	140	*	42	--
Conventional Boiler Use	--	1	*	*	18	0	1	--
CHP and/or Cogeneration Process	--	--	3	1	122	*	41	--
Direct Uses-Total Process	--	49	2	*	42	*	3	--
Process Heating	--	1	2	*	38	*	3	--
Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
Machine Drive	--	46	0	*	2	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	2	*	0	--
Direct Uses-Total Nonprocess	--	4	*	1	6	*	*	--
Facility HVAC (g)	--	2	*	*	5	*	0	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	1	0	0	1	*	0	--
Onsite Transportation	--	*	--	1	0	*	--	--
Conventional Electricity Generation	--	--	*	*	*	0	*	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	622	1	*	*	0	*	0	621

323 PRINTING AND RELATED SUPPORT

TOTAL FUEL CONSUMPTION	89	49	*	*	39	1	0	Q
Indirect Uses-Boiler Fuel	--	*	*	*	7	*	0	--
Conventional Boiler Use	--	*	*	*	4	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	3	*	0	--
Direct Uses-Total Process	--	32	0	*	18	*	0	--
Process Heating	--	2	0	0	17	*	0	--
Process Cooling and Refrigeration	--	4	0	0	*	0	0	--
Machine Drive	--	26	0	*	1	*	0	--
Electro-Chemical Processes	--	1	--	--	--	--	--	--
Other Process Use	--	1	0	*	Q	*	0	--
Direct Uses-Total Nonprocess	--	14	0	*	13	1	0	--
Facility HVAC (g)	--	8	0	*	11	*	0	--
Facility Lighting	--	4	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	1	--	*	*	1	--	--
Conventional Electricity Generation	--	--	0	*	Q	0	0	--
Other Nonprocess Use	--	*	0	*	*	0	0	--
End Use Not Reported	3	Q	0	0	1	*	0	Q

324 PETROLEUM AND COAL PRODUCTS

TOTAL FUEL CONSUMPTION	3,513	167	4	11	1,071	36	8	2,216
Indirect Uses-Boiler Fuel	--	1	1	1	349	5	1	--
Conventional Boiler Use	--	1	1	*	111	3	0	--
CHP and/or Cogeneration Process	--	--	*	1	238	2	1	--
Direct Uses-Total Process	--	150	3	5	609	30	8	--
Process Heating	--	-2	3	2	566	30	0	--
Process Cooling and Refrigeration	--	7	*	*	1	*	0	--
Machine Drive	--	144	*	2	13	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	2	*	1	30	*	8	--
Direct Uses-Total Nonprocess	--	12	*	5	9	*	*	--

Facility HVAC (g)	--	6	*	*	5	*	0	--
Facility Lighting	--	4	--	--	--	--	--	--
Other Facility Support	--	2	0	*	*	*	0	--
Onsite Transportation	--	*	--	4	*	*	--	--
Conventional Electricity Generation	--	--	0	*	3	*	0	--
Other Nonprocess Use	--	*	0	1	*	*	*	--
End Use Not Reported	2,324	3	*	*	104	*	0	2,216

324110 Petroleum Refineries

TOTAL FUEL CONSUMPTION	3,372	160	3	6	1,000	35	1	2,168
Indirect Uses-Boiler Fuel	--	1	1	1	332	5	1	--
Conventional Boiler Use	--	1	1	*	105	3	0	--
CHP and/or Cogeneration Process	--	--	0	*	227	2	1	--
Direct Uses-Total Process	--	145	2	1	559	30	0	--
Process Heating	--	-3	2	*	521	30	0	--
Process Cooling and Refrigeration	--	7	0	0	*	*	0	--
Machine Drive	--	140	0	1	9	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	28	*	0	--
Direct Uses-Total Nonprocess	--	11	0	4	6	*	0	--
Facility HVAC (g)	--	6	0	*	2	*	0	--
Facility Lighting	--	4	--	--	--	--	--	--
Other Facility Support	--	2	0	*	*	*	0	--
Onsite Transportation	--	0	--	3	0	*	--	--
Conventional Electricity Generation	--	--	0	*	3	*	0	--
Other Nonprocess Use	--	*	0	1	*	0	0	--
End Use Not Reported	2,275	2	*	*	104	*	0	2,168

324121 Asphalt Paving Mixture and Block

TOTAL FUEL CONSUMPTION	57	3	2	5	42	1	0	4
Indirect Uses-Boiler Fuel	--	*	0	*	5	*	0	--
Conventional Boiler Use	--	*	0	*	1	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	5	*	0	--
Direct Uses-Total Process	--	3	2	3	36	1	0	--
Process Heating	--	1	1	1	30	1	0	--
Process Cooling and Refrigeration	--	*	*	*	*	0	0	--
Machine Drive	--	2	*	1	4	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	*	*	2	*	0	--
Direct Uses-Total Nonprocess	--	*	*	1	1	*	0	--
Facility HVAC (g)	--	*	*	*	1	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	1	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	5	*	0	*	*	*	0	4

324122 Asphalt Shingle and Coating Materials

TOTAL FUEL CONSUMPTION	14	2	*	*	11	*	*	*
Indirect Uses-Boiler Fuel	--	*	*	*	3	*	0	--
Conventional Boiler Use	--	*	0	*	1	*	0	--
CHP and/or Cogeneration Process	--	--	*	*	2	*	0	--
Direct Uses-Total Process	--	2	0	*	7	*	*	--
Process Heating	--	*	0	*	7	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
Machine Drive	--	2	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	*	--
Direct Uses-Total Nonprocess	--	*	0	*	1	*	0	--
Facility HVAC (g)	--	*	0	*	1	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	0	0	*	*	*	0	--
End Use Not Reported	*	0	0	*	0	*	0	*

324199 Other Petroleum and Coal Products

TOTAL FUEL CONSUMPTION	58	-1	0	*	8	*	7	44
Indirect Uses-Boiler Fuel	--	*	0	*	2	*	0	--
Conventional Boiler Use	--	*	0	*	1	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	1	*	0	--
Direct Uses-Total Process	--	-1	0	*	5	*	7	--
Process Heating	--	*	0	*	5	*	0	--
Process Cooling and Refrigeration	--	*	0	0	0	*	0	--
Machine Drive	--	-1	0	*	0	0	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	*	0	*	0	*	7	--
Direct Uses-Total Nonprocess	--	*	0	*	1	*	*	--
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	*	--
End Use Not Reported	44	0	0	0	0	*	0	44
325 CHEMICALS								
TOTAL FUEL CONSUMPTION	3,527	458	2	10	2,002	4	237	814
Indirect Uses-Boiler Fuel	--	7	2	3	1,053	*	163	--
Conventional Boiler Use	--	7	2	1	333	*	24	--
CHP and/or Cogeneration Process	--	--	*	2	720	*	140	--
Direct Uses-Total Process	--	380	*	3	880	1	16	--
Process Heating	--	20	*	*	708	1	16	--
Process Cooling and Refrigeration	--	39	0	*	16	*	0	--
Machine Drive	--	253	0	2	91	*	*	--
Electro-Chemical Processes	--	58	--	--	--	--	--	--
Other Process Use	--	9	0	*	66	1	0	--
Direct Uses-Total Nonprocess	--	64	*	4	58	1	2	--
Facility HVAC (g)	--	33	*	*	48	*	2	--
Facility Lighting	--	21	--	--	--	--	--	--
Other Facility Support	--	6	0	*	7	*	0	--
Onsite Transportation	--	1	--	3	*	1	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	2	0	*	2	*	0	--
End Use Not Reported	889	7	0	*	11	1	56	814
325110 Petrochemicals								
TOTAL FUEL CONSUMPTION	537	20	0	1	309	1	0	207
Indirect Uses-Boiler Fuel	--	*	0	*	87	*	0	--
Conventional Boiler Use	--	*	0	*	19	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	68	*	0	--
Direct Uses-Total Process	--	19	0	*	221	*	0	--
Process Heating	--	1	0	0	C	*	0	--
Process Cooling and Refrigeration	--	3	0	0	3	0	0	--
Machine Drive	--	12	0	*	W	*	0	--
Electro-Chemical Processes	--	3	--	--	--	--	--	--
Other Process Use	--	0	0	*	C	*	0	--
Direct Uses-Total Nonprocess	--	1	0	*	1	*	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	*	1	0	0	--
End Use Not Reported	207	0	0	*	0	*	0	207
325120 Industrial Gases								
TOTAL FUEL CONSUMPTION	109	68	0	*	38	*	0	3
Indirect Uses-Boiler Fuel	--	*	0	*	5	*	0	--
Conventional Boiler Use	--	*	0	*	3	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	2	*	0	--
Direct Uses-Total Process	--	66	0	*	17	0	0	--
Process Heating	--	1	0	*	7	0	0	--
Process Cooling and Refrigeration	--	1	0	*	*	0	0	--

Machine Drive	--	64	0	*	5	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	0	0	0	4	0	0	--
Direct Uses-Total Nonprocess	--	2	0	*	16	*	0	--
Facility HVAC (g)	--	1	0	*	16	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	0	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	0	0	--
End Use Not Reported	3	*	0	0	0	*	0	3

325180 Other Basic Inorganic Chemicals

TOTAL FUEL CONSUMPTION	358	79	0	1	151	*	53	74
Indirect Uses-Boiler Fuel	--	2	0	*	51	*	51	--
Conventional Boiler Use	--	2	0	*	15	*	5	--
CHP and/or Cogeneration Process	--	--	0	*	36	*	46	--
Direct Uses-Total Process	--	70	0	*	97	*	2	--
Process Heating	--	4	0	*	49	*	2	--
Process Cooling and Refrigeration	--	3	0	*	*	0	0	--
Machine Drive	--	18	0	*	47	*	0	--
Electro-Chemical Processes	--	40	--	--	--	--	--	--
Other Process Use	--	5	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	6	0	1	3	*	0	--
Facility HVAC (g)	--	2	0	*	2	*	0	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	*	--	1	0	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	76	Q	0	0	Q	*	0	74

325193 Ethyl Alcohol

TOTAL FUEL CONSUMPTION	491	39	0	1	363	*	80	8
Indirect Uses-Boiler Fuel	--	1	0	0	218	0	35	--
Conventional Boiler Use	--	1	0	0	121	0	6	--
CHP and/or Cogeneration Process	--	--	0	0	97	0	29	--
Direct Uses-Total Process	--	33	0	*	138	*	3	--
Process Heating	--	2	0	0	121	0	3	--
Process Cooling and Refrigeration	--	4	0	0	1	0	0	--
Machine Drive	--	26	0	*	1	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	0	15	0	0	--
Direct Uses-Total Nonprocess	--	3	0	*	4	*	0	--
Facility HVAC (g)	--	1	0	0	3	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	*	1	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	0	0	*	*	0	0	--
End Use Not Reported	55	1	0	*	Q	*	43	8

325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals

TOTAL FUEL CONSUMPTION	41	10	0	*	24	*	0	7
Indirect Uses-Boiler Fuel	--	*	0	*	15	0	0	--
Conventional Boiler Use	--	*	0	*	6	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	9	0	0	--
Direct Uses-Total Process	--	8	0	*	9	*	0	--
Process Heating	--	1	0	0	8	*	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	--
Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
Facility HVAC (g)	--	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	*	0	0	--
End Use Not Reported	7	*	0	0	0	0	0	7

325199 Other Basic Organic Chemicals

TOTAL FUEL CONSUMPTION	791	57	2	2	364	*	59	307
Indirect Uses-Boiler Fuel	--	1	2	*	230	*	46	--
Conventional Boiler Use	--	1	2	*	84	*	1	--
CHP and/or Cogeneration Process	--	--	0	*	145	*	45	--
Direct Uses-Total Process	--	48	0	1	127	*	0	--
Process Heating	--	2	0	*	88	*	0	--
Process Cooling and Refrigeration	--	7	0	0	4	*	0	--
Machine Drive	--	36	0	1	15	*	0	--
Electro-Chemical Processes	--	3	--	--	--	--	--	--
Other Process Use	--	*	0	*	20	*	0	--
Direct Uses-Total Nonprocess	--	8	0	1	6	*	0	--
Facility HVAC (g)	--	3	0	*	4	*	0	--
Facility Lighting	--	3	--	--	--	--	--	--
Other Facility Support	--	*	0	*	1	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	Q	*	0	--
End Use Not Reported	321	1	0	*	*	*	13	307

325211 Plastics Materials and Resins

TOTAL FUEL CONSUMPTION	552	58	*	1	375	1	14	103
Indirect Uses-Boiler Fuel	--	1	*	*	283	*	6	--
Conventional Boiler Use	--	1	*	*	25	*	6	--
CHP and/or Cogeneration Process	--	--	*	*	257	*	0	--
Direct Uses-Total Process	--	50	*	*	86	*	Q	--
Process Heating	--	3	*	0	72	*	Q	--
Process Cooling and Refrigeration	--	3	0	*	6	*	0	--
Machine Drive	--	34	0	*	4	*	0	--
Electro-Chemical Processes	--	9	--	--	--	--	--	--
Other Process Use	--	*	0	*	5	*	0	--
Direct Uses-Total Nonprocess	--	6	*	1	6	*	1	--
Facility HVAC (g)	--	3	*	*	4	*	1	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	1	0	*	2	*	0	--
Onsite Transportation	--	*	--	1	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	104	1	0	0	*	*	0	103

325212 Synthetic Rubber

TOTAL FUEL CONSUMPTION	33	4	0	*	19	*	1	10
Indirect Uses-Boiler Fuel	--	*	0	*	18	*	1	--
Conventional Boiler Use	--	*	0	*	8	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	10	*	1	--
Direct Uses-Total Process	--	3	0	*	1	*	0	--
Process Heating	--	*	0	*	1	0	0	--
Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
Machine Drive	--	2	0	*	*	*	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	0	0	*	*	0	0	--
Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
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	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	10	*	0	*	0	*	0	10

325220 Artificial and Synthetic Fibers and Filaments

TOTAL FUEL CONSUMPTION	35	11	*	*	13	*	10	*
Indirect Uses-Boiler Fuel	--	*	*	*	9	*	10	--
Conventional Boiler Use	--	*	*	*	4	*	1	--

CHP and/or Cogeneration Process	--	--	0	*	5	0	9	--
Direct Uses-Total Process	--	9	*	*	4	*	*	--
Process Heating	--	1	*	*	3	*	*	--
Process Cooling and Refrigeration	--	1	0	0	1	0	0	--
Machine Drive	--	6	0	*	*	*	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	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	*	0	0	0	*	*	0	*

325311   Nitrogenous Fertilizers

TOTAL FUEL CONSUMPTION	182	13	*	*	158	*	0	10
Indirect Uses-Boiler Fuel	--	*	*	0	36	*	0	--
Conventional Boiler Use	--	*	0	0	12	0	0	--
CHP and/or Cogeneration Process	--	--	*	0	24	*	0	--
Direct Uses-Total Process	--	10	0	*	115	*	0	--
Process Heating	--	1	0	*	103	*	0	--
Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
Machine Drive	--	8	0	*	3	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	9	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	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	0	0	--
End Use Not Reported	19	1	0	0	7	*	0	10

325312   Phosphatic Fertilizers

TOTAL FUEL CONSUMPTION	36	7	*	2	25	*	2	*
Indirect Uses-Boiler Fuel	--	*	*	1	3	*	2	--
Conventional Boiler Use	--	*	0	0	1	0	0	--
CHP and/or Cogeneration Process	--	--	*	1	2	*	2	--
Direct Uses-Total Process	--	6	0	*	22	*	0	--
Process Heating	--	*	0	0	21	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
Machine Drive	--	6	0	*	0	0	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	0	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	*	0	1	*	*	0	--
Facility HVAC (g)	--	*	0	0	*	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	0	0	--
Onsite Transportation	--	*	--	1	0	*	--	--
Conventional Electricity Generation	--	--	0	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	94	36	0	1	50	*	3	4
Indirect Uses-Boiler Fuel	--	1	0	*	36	*	2	--
Conventional Boiler Use	--	1	0	*	17	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	19	*	2	--
Direct Uses-Total Process	--	18	0	*	5	*	0	--
Process Heating	--	1	0	*	4	*	0	--
Process Cooling and Refrigeration	--	6	0	*	*	0	0	--
Machine Drive	--	10	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	18	0	*	8	*	1	--
Facility HVAC (g)	--	12	0	*	7	*	1	--

Facility Lighting	--	5	--	--	--	--	--	--
Other Facility Support	--	1	0	*	1	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	4	*	0	*	*	0	0	4

325412   Pharmaceutical Preparation

TOTAL FUEL CONSUMPTION	47	19	0	1	21	*	3	3
Indirect Uses-Boiler Fuel	--	*	0	*	14	*	2	--
Conventional Boiler Use	--	*	0	*	8	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	6	*	2	--
Direct Uses-Total Process	--	10	0	*	3	*	0	--
Process Heating	--	1	0	*	2	*	0	--
Process Cooling and Refrigeration	--	3	0	*	*	0	0	--
Machine Drive	--	5	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	9	0	*	4	*	1	--
Facility HVAC (g)	--	6	0	*	4	*	1	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	3	*	0	0	*	0	0	3

325992   Photographic Film, Paper, Plate, and Chemicals

TOTAL FUEL CONSUMPTION	9	3	*	*	4	*	0	2
Indirect Uses-Boiler Fuel	--	*	*	*	2	*	0	--
Conventional Boiler Use	--	*	0	0	1	0	0	--
CHP and/or Cogeneration Process	--	--	*	*	1	*	0	--
Direct Uses-Total Process	--	2	0	*	1	*	0	--
Process Heating	--	*	0	0	1	*	0	--
Process Cooling and Refrigeration	--	1	0	0	0	*	0	--
Machine Drive	--	1	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	0	*	0	0	--
Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
Facility HVAC (g)	--	1	0	*	*	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	*	0	0	--
End Use Not Reported	2	*	0	0	*	*	0	2

326   PLASTICS AND RUBBER PRODUCTS

TOTAL FUEL CONSUMPTION	294	190	0	Q	90	4	Q	Q
Indirect Uses-Boiler Fuel	--	1	0	*	42	*	Q	--
Conventional Boiler Use	--	1	0	*	21	*	*	--
CHP and/or Cogeneration Process	--	--	0	0	21	*	Q	--
Direct Uses-Total Process	--	145	0	*	25	*	0	--
Process Heating	--	29	0	*	23	*	0	--
Process Cooling and Refrigeration	--	15	0	0	*	0	0	--
Machine Drive	--	98	0	*	1	*	0	--
Electro-Chemical Processes	--	Q	--	--	--	--	--	--
Other Process Use	--	Q	0	0	*	*	0	--
Direct Uses-Total Nonprocess	--	43	0	Q	21	3	*	--
Facility HVAC (g)	--	19	0	*	20	1	*	--
Facility Lighting	--	17	--	--	--	--	--	--
Other Facility Support	--	4	0	*	1	*	0	--
Onsite Transportation	--	1	--	*	*	2	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	Q	0	Q	*	*	0	--
End Use Not Reported	7	Q	0	*	Q	1	0	Q

327   NONMETALLIC MINERAL PRODUCTS

TOTAL FUEL CONSUMPTION	827	128	*	19	333	3	235	109
Indirect Uses-Boiler Fuel	--	1	*	*	13	*	1	--
Conventional Boiler Use	--	1	0	*	2	*	0	--
CHP and/or Cogeneration Process	--	--	*	*	11	*	1	--
Direct Uses-Total Process	--	105	*	8	278	1	234	--
Process Heating	--	31	*	1	266	1	233	--
Process Cooling and Refrigeration	--	5	0	0	2	*	0	--
Machine Drive	--	64	0	4	8	*	1	--
Electro-Chemical Processes	--	2	--	--	--	--	--	--
Other Process Use	--	3	0	Q	3	*	0	--
Direct Uses-Total Nonprocess	--	16	*	11	21	1	*	--
Facility HVAC (g)	--	8	*	*	19	*	*	--
Facility Lighting	--	6	--	--	--	--	--	--
Other Facility Support	--	2	0	*	2	*	0	--
Onsite Transportation	--	*	--	8	*	1	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	2	*	*	0	--
End Use Not Reported	136	Q	0	*	Q	1	*	109

327120 Clay Building Material and Refractories

TOTAL FUEL CONSUMPTION	43	5	*	1	35	*	1	1
Indirect Uses-Boiler Fuel	--	*	0	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	--	4	*	*	32	*	1	--
Process Heating	--	1	*	*	32	*	1	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	3	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--
Facility HVAC (g)	--	*	0	*	1	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	0	0	--
End Use Not Reported	2	*	0	*	1	*	*	1

327211 Flat Glass

TOTAL FUEL CONSUMPTION	62	6	0	*	47	*	0	9
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	--	5	0	*	43	*	0	--
Process Heating	--	2	0	0	39	*	0	--
Process Cooling and Refrigeration	--	*	0	0	2	0	0	--
Machine Drive	--	2	0	*	2	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	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	0	--
End Use Not Reported	12	*	0	*	2	*	0	9

327212 Other Pressed and Blown Glass and Glassware

TOTAL FUEL CONSUMPTION	32	8	0	*	24	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	*	3	0	0	--
Conventional Boiler Use	--	*	0	*	*	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	3	0	0	--
Direct Uses-Total Process	--	6	0	*	20	*	0	--
Process Heating	--	3	0	*	19	*	0	--
Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
Machine Drive	--	2	0	*	1	*	0	--

	C1	C2	C3	C4	C5	C6	C7	C8
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
Facility HVAC (g)	--	1	0	0	1	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	0	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	0	0	*	0	*	0	--
End Use Not Reported	*	0	0	0	0	*	0	*

327213   Glass Containers

	C1	C2	C3	C4	C5	C6	C7	C8
TOTAL FUEL CONSUMPTION	58	12	0	*	46	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--
Conventional Boiler Use	--	*	0	0	*	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	*	0	--
Direct Uses-Total Process	--	11	0	*	43	*	0	--
Process Heating	--	4	0	*	42	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
Machine Drive	--	6	0	*	1	*	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	*	0	*	0	0	0	--
Direct Uses-Total Nonprocess	--	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	--
End Use Not Reported	*	0	0	0	0	*	0	*

327215   Glass Products from Purchased Glass

	C1	C2	C3	C4	C5	C6	C7	C8
TOTAL FUEL CONSUMPTION	23	11	*	*	11	*	*	*
Indirect Uses-Boiler Fuel	--	*	*	*	1	*	0	--
Conventional Boiler Use	--	*	0	0	*	*	0	--
CHP and/or Cogeneration Process	--	--	*	*	1	*	0	--
Direct Uses-Total Process	--	9	0	*	8	*	0	--
Process Heating	--	4	0	0	8	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
Machine Drive	--	3	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	2	0	*	2	*	*	--
Facility HVAC (g)	--	1	0	0	2	*	*	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	1	1	0	*	*	*	0	*

327310   Cements

	C1	C2	C3	C4	C5	C6	C7	C8
TOTAL FUEL CONSUMPTION	297	38	*	4	21	*	158	77
Indirect Uses-Boiler Fuel	--	*	0	0	*	0	1	--
Conventional Boiler Use	--	*	0	0	0	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	0	1	--
Direct Uses-Total Process	--	35	*	2	20	*	157	--
Process Heating	--	7	*	1	20	*	156	--
Process Cooling and Refrigeration	--	2	0	0	*	*	0	--
Machine Drive	--	26	0	1	*	*	1	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	0	*	0	--
Direct Uses-Total Nonprocess	--	2	0	2	*	*	0	--
Facility HVAC (g)	--	1	0	*	*	*	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	77	*	0	*	*	*	0	77

327410   Lime

TOTAL FUEL CONSUMPTION	105	5	0	1	6	*	73	19
Indirect Uses-Boiler Fuel	--	*	0	0	0	0	0	--
Conventional Boiler Use	--	*	0	0	0	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	0	0	0	--
Direct Uses-Total Process	--	5	0	*	6	*	73	--
Process Heating	--	1	0	*	6	*	73	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	4	0	*	0	*	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	*	0	*	0	*	0	--
Direct Uses-Total Nonprocess	--	*	0	1	*	*	0	--
Facility HVAC (g)	--	*	0	0	*	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	0	0	--
Onsite Transportation	--	*	--	1	0	*	--	--
Conventional Electricity Generation	--	--	0	0	0	0	0	--
Other Nonprocess Use	--	0	0	0	0	0	0	--
End Use Not Reported	19	*	0	*	0	*	0	19

327420   Gypsum

TOTAL FUEL CONSUMPTION	53	5	0	*	47	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	*	1	0	0	--
Conventional Boiler Use	--	*	0	*	*	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	0	0	--
Direct Uses-Total Process	--	4	0	*	45	0	0	--
Process Heating	--	*	0	*	43	0	0	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	3	0	*	2	0	0	--
Electro-Chemical Processes	--	0	--	--	--	--	--	--
Other Process Use	--	0	0	*	0	0	0	--
Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--
Facility HVAC (g)	--	*	0	*	1	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	0	*	0	0	--
Other Nonprocess Use	--	0	0	0	0	0	0	--

327993   Mineral Wool

TOTAL FUEL CONSUMPTION	33	11	0	*	20	*	0	1
Indirect Uses-Boiler Fuel	--	*	0	*	*	0	0	--
Conventional Boiler Use	--	*	0	0	*	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	*	0	0	--
Direct Uses-Total Process	--	9	0	*	18	*	0	--
Process Heating	--	5	0	0	17	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	*	0	--
Machine Drive	--	4	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--
Facility HVAC (g)	--	*	0	*	2	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	2	*	0	0	*	*	0	1

331   PRIMARY METALS

TOTAL FUEL CONSUMPTION	1,684	433	1	6	643	3	18	580
Indirect Uses-Boiler Fuel	--	2	*	*	85	*	0	--
Conventional Boiler Use	--	2	*	*	23	*	0	--
CHP and/or Cogeneration Process	--	--	*	*	62	*	0	--
Direct Uses-Total Process	--	388	*	1	504	1	18	--

Process Heating	--	160	*	1	452	1	11	--
Process Cooling and Refrigeration	--	6	0	*	5	*	0	--
Machine Drive	--	115	*	*	12	*	0	--
Electro-Chemical Processes	--	99	--	--	--	--	--	--
Other Process Use	--	7	0	*	36	*	7	--
Direct Uses-Total Nonprocess	--	35	*	5	47	1	0	--
Facility HVAC (g)	--	15	*	*	39	*	0	--
Facility Lighting	--	14	--	--	--	--	--	--
Other Facility Support	--	4	0	*	7	*	0	--
Onsite Transportation	--	1	--	5	1	1	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	1	0	*	1	*	0	--
End Use Not Reported	595	9	*	*	6	*	0	580

331110 Iron and Steel Mills and Ferroalloys

TOTAL FUEL CONSUMPTION	1,172	204	*	4	401	*	17	544
Indirect Uses-Boiler Fuel	--	1	*	0	45	*	0	--
Conventional Boiler Use	--	1	*	0	14	0	0	--
CHP and/or Cogeneration Process	--	--	*	0	31	*	0	--
Direct Uses-Total Process	--	182	0	1	333	*	17	--
Process Heating	--	108	0	*	292	*	11	--
Process Cooling and Refrigeration	--	3	0	0	5	*	0	--
Machine Drive	--	63	0	*	3	*	0	--
Electro-Chemical Processes	--	5	--	--	--	--	--	--
Other Process Use	--	3	0	*	34	*	7	--
Direct Uses-Total Nonprocess	--	14	0	3	19	*	0	--
Facility HVAC (g)	--	5	0	*	14	*	0	--
Facility Lighting	--	6	--	--	--	--	--	--
Other Facility Support	--	2	0	0	4	*	0	--
Onsite Transportation	--	*	--	3	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	*	0	--
Other Nonprocess Use	--	*	0	*	1	*	0	--
End Use Not Reported	556	8	*	*	4	*	0	544

3312 Steel Products from Purchased Steel

TOTAL FUEL CONSUMPTION	57	22	0	1	27	*	0	7
Indirect Uses-Boiler Fuel	--	*	0	*	3	*	0	--
Conventional Boiler Use	--	*	0	0	2	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	1	*	0	--
Direct Uses-Total Process	--	19	0	*	19	*	0	--
Process Heating	--	6	0	*	17	*	0	--
Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
Machine Drive	--	13	0	*	Q	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	3	0	1	4	*	0	--
Facility HVAC (g)	--	1	0	*	3	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	*	0	--
Onsite Transportation	--	*	--	1	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	0	*	*	0	--
End Use Not Reported	7	*	0	*	*	*	0	7

3313 Alumina and Aluminum

TOTAL FUEL CONSUMPTION	243	117	*	1	117	1	0	6
Indirect Uses-Boiler Fuel	--	*	*	0	27	*	0	--
Conventional Boiler Use	--	*	*	0	3	*	0	--
CHP and/or Cogeneration Process	--	--	0	0	24	*	0	--
Direct Uses-Total Process	--	111	*	*	80	*	0	--
Process Heating	--	5	*	*	74	*	0	--
Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
Machine Drive	--	17	0	*	5	*	0	--
Electro-Chemical Processes	--	88	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	6	*	1	9	*	0	--
Facility HVAC (g)	--	2	*	*	7	*	0	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	1	0	0	2	*	0	--

	C1	C2	C3	C4	C5	C6	C7	C8
Onsite Transportation	--	*	--	1	1	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	8	*	0	*	2	*	0	6

331314   Secondary Smelting and Alloying of Aluminum

	C1	C2	C3	C4	C5	C6	C7	C8
TOTAL FUEL CONSUMPTION	20	3	0	*	16	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
Conventional Boiler Use	--	*	0	0	*	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	0	0	--
Direct Uses-Total Process	--	2	0	*	14	*	0	--
Process Heating	--	1	0	*	14	*	0	--
Process Cooling and Refrigeration	--	*	0	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	*	0	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	2	*	0	0	1	*	0	*

331315   Aluminum Sheet, Plate and Foils

	C1	C2	C3	C4	C5	C6	C7	C8
TOTAL FUEL CONSUMPTION	63	15	*	*	45	*	0	2
Indirect Uses-Boiler Fuel	--	*	0	0	2	0	0	--
Conventional Boiler Use	--	*	0	0	2	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	0	0	--
Direct Uses-Total Process	--	13	*	*	38	*	0	--
Process Heating	--	3	*	0	34	*	0	--
Process Cooling and Refrigeration	--	*	0	*	*	0	0	--
Machine Drive	--	10	0	*	4	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	0	*	*	0	--
Direct Uses-Total Nonprocess	--	2	0	*	5	*	0	--
Facility HVAC (g)	--	1	0	0	4	0	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	0	1	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	0	0	0	0	--
Other Nonprocess Use	--	*	0	*	0	0	0	--
End Use Not Reported	2	0	0	0	0	0	0	2

331318   Other Aluminum Rolling, Drawing and Extruding

	C1	C2	C3	C4	C5	C6	C7	C8
TOTAL FUEL CONSUMPTION	19	6	*	*	13	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	0	1	*	0	--
Conventional Boiler Use	--	*	0	0	*	*	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	*	0	--
Direct Uses-Total Process	--	4	0	*	11	*	0	--
Process Heating	--	1	0	0	10	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
Machine Drive	--	3	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	1	*	*	2	*	0	--
Facility HVAC (g)	--	*	*	*	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	0	--
End Use Not Reported	1	*	0	*	*	*	0	*

3314   Nonferrous Metals, except Aluminum

	C1	C2	C3	C4	C5	C6	C7	C8
TOTAL FUEL CONSUMPTION	96	44	0	*	42	1	1	7

Indirect Uses-Boiler Fuel	--	*	0	*	8	*	0	--
Conventional Boiler Use	--	*	0	*	4	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	5	*	0	--
Direct Uses-Total Process	--	40	0	*	30	1	1	--
Process Heating	--	19	0	*	29	1	0	--
Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
Machine Drive	--	10	0	*	*	*	0	--
Electro-Chemical Processes	--	6	--	--	--	--	--	--
Other Process Use	--	3	0	*	*	*	1	--
Direct Uses-Total Nonprocess	--	4	0	*	4	*	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	7	*	0	0	0	*	0	7

331410 Nonferrous Metal (except Aluminum) Smelting and Refining

TOTAL FUEL CONSUMPTION	48	27	0	*	16	*	1	4
Indirect Uses-Boiler Fuel	--	*	0	*	6	0	0	--
Conventional Boiler Use	--	*	0	*	2	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	4	0	0	--
Direct Uses-Total Process	--	25	0	*	9	*	1	--
Process Heating	--	14	0	*	9	*	0	--
Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
Machine Drive	--	2	0	*	*	0	0	--
Electro-Chemical Processes	--	6	--	--	--	--	--	--
Other Process Use	--	2	0	*	*	*	1	--
Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
Facility HVAC (g)	--	1	0	0	1	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	0	*	0	--
End Use Not Reported	4	*	0	0	0	*	0	4

3315 Foundries

TOTAL FUEL CONSUMPTION	118	45	*	1	55	1	*	15
Indirect Uses-Boiler Fuel	--	*	0	*	1	*	0	--
Conventional Boiler Use	--	*	0	*	1	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	1	*	0	--
Direct Uses-Total Process	--	36	*	*	42	*	*	--
Process Heating	--	21	0	*	40	*	*	--
Process Cooling and Refrigeration	--	1	0	0	*	*	0	--
Machine Drive	--	13	*	*	1	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	8	*	1	12	*	0	--
Facility HVAC (g)	--	5	*	*	11	*	0	--
Facility Lighting	--	3	--	--	--	--	--	--
Other Facility Support	--	1	0	*	1	*	0	--
Onsite Transportation	--	*	--	1	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	16	*	0	*	*	*	0	15

331511 Iron Foundries

TOTAL FUEL CONSUMPTION	52	21	*	*	16	*	*	15
Indirect Uses-Boiler Fuel	--	*	0	*	*	*	0	--
Conventional Boiler Use	--	*	0	0	*	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	*	*	0	--
Direct Uses-Total Process	--	16	0	*	9	*	*	--
Process Heating	--	10	0	*	9	*	*	--
Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
Machine Drive	--	5	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	0	1	*	0	--

Direct Uses-Total Nonprocess	--	4	*	*	6	*	0	--
Facility HVAC (g)	--	3	*	*	6	*	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	15	*	0	*	*	*	0	15

331523 Nonferrous Metal Die-Casting Foundries

TOTAL FUEL CONSUMPTION	24	7	0	*	17	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	0	1	0	0	--
Conventional Boiler Use	--	*	0	0	1	0	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	0	0	--
Direct Uses-Total Process	--	5	0	*	13	*	0	--
Process Heating	--	2	0	0	13	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
Machine Drive	--	3	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	2	0	*	3	*	0	--
Facility HVAC (g)	--	1	0	*	2	*	0	--
Facility Lighting	--	1	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	0	0	0	--
Other Nonprocess Use	--	*	0	*	*	0	0	--
End Use Not Reported	*	*	0	0	0	*	0	*

331524 Aluminum Foundries, except Die-Casting

TOTAL FUEL CONSUMPTION	11	3	*	*	8	*	0	*
Indirect Uses-Boiler Fuel	--	*	0	*	*	*	0	--
Conventional Boiler Use	--	*	0	*	*	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	*	*	0	--
Direct Uses-Total Process	--	2	*	*	7	*	0	--
Process Heating	--	1	0	*	7	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
Machine Drive	--	1	*	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	*	*	0	--
Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
Facility HVAC (g)	--	*	0	*	1	*	0	--
Facility Lighting	--	*	--	--	--	--	--	--
Other Facility Support	--	*	0	0	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	0	*	0	0	--
Other Nonprocess Use	--	*	0	0	0	*	0	--
End Use Not Reported	*	*	0	0	*	*	0	*

332 FABRICATED METAL PRODUCTS

TOTAL FUEL CONSUMPTION	344	143	0	2	191	7	0	1
Indirect Uses-Boiler Fuel	--	Q	0	0	20	*	0	--
Conventional Boiler Use	--	Q	0	0	Q	*	0	--
CHP and/or Cogeneration Process	--	--	0	0	16	*	0	--
Direct Uses-Total Process	--	97	0	*	118	1	0	--
Process Heating	--	22	0	*	111	Q	0	--
Process Cooling and Refrigeration	--	5	0	0	*	0	0	--
Machine Drive	--	61	0	*	Q	*	0	--
Electro-Chemical Processes	--	5	--	--	--	--	--	--
Other Process Use	--	5	0	*	Q	*	0	--
Direct Uses-Total Nonprocess	--	41	0	2	47	6	0	--
Facility HVAC (g)	--	22	0	Q	45	Q	0	--
Facility Lighting	--	13	--	--	--	--	--	--
Other Facility Support	--	5	0	*	2	*	0	--
Onsite Transportation	--	1	--	1	*	4	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	10	Q	0	0	Q	*	0	1

333   MACHINERY

TOTAL FUEL CONSUMPTION	164	80	*	5	72	3	Q	2
Indirect Uses-Boiler Fuel	--	1	0	*	14	*	Q	--
Conventional Boiler Use	--	1	0	*	4	0	0	--
CHP and/or Cogeneration Process	--	--	0	*	10	*	Q	--
Direct Uses-Total Process	--	47	0	3	25	1	0	--
Process Heating	--	8	0	0	18	Q	0	--
Process Cooling and Refrigeration	--	3	0	*	*	*	0	--
Machine Drive	--	33	0	*	2	*	0	--
Electro-Chemical Processes	--	1	--	--	--	--	--	--
Other Process Use	--	2	0	3	Q	Q	0	--
Direct Uses-Total Nonprocess	--	31	*	Q	32	2	0	--
Facility HVAC (g)	--	16	*	*	31	Q	0	--
Facility Lighting	--	11	--	--	--	--	--	--
Other Facility Support	--	3	0	Q	1	*	0	--
Onsite Transportation	--	1	--	*	*	1	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	*	*	*	*	0	--
End Use Not Reported	4	Q	0	*	Q	*	0	2

334   COMPUTER AND ELECTRONIC PRODUCTS

TOTAL FUEL CONSUMPTION	162	112	*	1	47	*	0	Q
Indirect Uses-Boiler Fuel	--	1	0	*	16	*	0	--
Conventional Boiler Use	--	1	0	*	11	*	0	--
CHP and/or Cogeneration Process	--	--	0	0	5	*	0	--
Direct Uses-Total Process	--	63	0	*	14	*	0	--
Process Heating	--	13	0	*	10	*	0	--
Process Cooling and Refrigeration	--	13	0	0	*	0	0	--
Machine Drive	--	26	0	*	*	*	0	--
Electro-Chemical Processes	--	3	--	--	--	--	--	--
Other Process Use	--	8	0	*	4	*	0	--
Direct Uses-Total Nonprocess	--	46	*	Q	17	*	0	--
Facility HVAC (g)	--	27	*	*	15	*	0	--
Facility Lighting	--	10	--	--	--	--	--	--
Other Facility Support	--	6	0	*	1	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	2	0	*	1	*	0	--
End Use Not Reported	5	2	0	0	*	*	0	Q

334413   Semiconductors and Related Devices

TOTAL FUEL CONSUMPTION	90	65	*	*	24	*	0	*
Indirect Uses-Boiler Fuel	--	1	0	*	10	*	0	--
Conventional Boiler Use	--	1	0	*	8	*	0	--
CHP and/or Cogeneration Process	--	--	0	0	2	*	0	--
Direct Uses-Total Process	--	40	0	*	6	*	0	--
Process Heating	--	8	0	0	3	0	0	--
Process Cooling and Refrigeration	--	9	0	0	*	0	0	--
Machine Drive	--	15	0	*	*	*	0	--
Electro-Chemical Processes	--	2	--	--	--	--	--	--
Other Process Use	--	6	0	*	3	0	0	--
Direct Uses-Total Nonprocess	--	24	*	*	8	*	0	--
Facility HVAC (g)	--	15	*	*	7	*	0	--
Facility Lighting	--	4	--	--	--	--	--	--
Other Facility Support	--	3	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	2	0	*	1	*	0	--
End Use Not Reported	2	1	0	0	*	0	0	*

335   ELEC. EQUIP., APPLIANCES, COMPONENTS

TOTAL FUEL CONSUMPTION	71	40	0	*	27	1	0	2
Indirect Uses-Boiler Fuel	--	*	0	0	3	*	0	--
Conventional Boiler Use	--	*	0	0	2	*	0	--
CHP and/or Cogeneration Process	--	--	0	0	Q	0	0	--
Direct Uses-Total Process	--	28	0	*	17	Q	0	--
Process Heating	--	9	0	*	16	*	0	--

Process Cooling and Refrigeration	--	3	0	0	*	0	0	--
Machine Drive	--	11	0	*	*	Q	0	--
Electro-Chemical Processes	--	3	--	--	--	--	--	--
Other Process Use	--	1	0	0	*	0	0	--
Direct Uses-Total Nonprocess	--	12	0	*	7	1	0	--
Facility HVAC (g)	--	7	0	*	6	*	0	--
Facility Lighting	--	4	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	0	*	--	--
Conventional Electricity Generation	--	--	0	*	0	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	2	*	0	*	0	*	0	2

336 TRANSPORTATION EQUIPMENT

TOTAL FUEL CONSUMPTION	318	154	1	4	145	4	1	9
Indirect Uses-Boiler Fuel	--	1	1	*	24	*	1	--
Conventional Boiler Use	--	1	1	*	17	*	1	--
CHP and/or Cogeneration Process	--	--	0	*	7	0	*	--
Direct Uses-Total Process	--	92	0	Q	64	1	0	--
Process Heating	--	17	0	*	56	*	0	--
Process Cooling and Refrigeration	--	8	0	0	*	*	0	--
Machine Drive	--	59	0	Q	Q	*	0	--
Electro-Chemical Processes	--	1	--	--	--	--	--	--
Other Process Use	--	7	0	*	5	*	0	--
Direct Uses-Total Nonprocess	--	58	0	2	55	3	0	--
Facility HVAC (g)	--	29	0	*	49	*	0	--
Facility Lighting	--	19	--	--	--	--	--	--
Other Facility Support	--	6	0	*	2	*	0	--
Onsite Transportation	--	2	--	1	*	2	--	--
Conventional Electricity Generation	--	--	0	*	Q	*	0	--
Other Nonprocess Use	--	2	0	Q	Q	*	0	--
End Use Not Reported	14	2	0	*	2	*	0	9

336111 Automobiles

TOTAL FUEL CONSUMPTION	33	12	0	*	19	*	*	1
Indirect Uses-Boiler Fuel	--	*	0	*	2	*	*	--
Conventional Boiler Use	--	*	0	0	2	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	*	0	0	--
Direct Uses-Total Process	--	8	0	*	12	*	0	--
Process Heating	--	1	0	0	10	*	0	--
Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
Machine Drive	--	5	0	*	0	0	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	*	1	0	0	--
Direct Uses-Total Nonprocess	--	4	0	*	5	*	0	--
Facility HVAC (g)	--	2	0	*	5	*	0	--
Facility Lighting	--	2	--	--	--	--	--	--
Other Facility Support	--	*	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	0	0	--
Other Nonprocess Use	--	*	0	*	0	0	0	--
End Use Not Reported	1	*	0	0	*	0	0	1

336112 Light Trucks and Utility Vehicles

TOTAL FUEL CONSUMPTION	39	12	0	*	25	*	*	2
Indirect Uses-Boiler Fuel	--	*	0	0	5	0	*	--
Conventional Boiler Use	--	*	0	0	4	0	*	--
CHP and/or Cogeneration Process	--	--	0	0	1	0	0	--
Direct Uses-Total Process	--	8	0	*	14	*	0	--
Process Heating	--	*	0	0	13	0	0	--
Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
Machine Drive	--	5	0	*	*	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	6	*	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	2	0	0	*	0	0	0	2

3364   Aerospace Products

TOTAL FUEL CONSUMPTION	68	32	*	Q	29	*	0	5
Indirect Uses-Boiler Fuel	--	*	*	*	11	*	0	--
Conventional Boiler Use	--	*	*	*	8	*	0	--
CHP and/or Cogeneration Process	--	--	0	*	4	0	0	--
Direct Uses-Total Process	--	15	0	Q	5	*	0	--
Process Heating	--	4	0	*	4	*	0	--
Process Cooling and Refrigeration	--	2	0	0	*	*	0	--
Machine Drive	--	7	0	Q	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	1	*	0	--
Direct Uses-Total Nonprocess	--	16	0	Q	12	*	0	--
Facility HVAC (g)	--	8	0	*	10	*	0	--
Facility Lighting	--	6	--	--	--	--	--	--
Other Facility Support	--	2	0	*	1	*	0	--
Onsite Transportation	--	*	--	Q	*	*	--	--
Conventional Electricity Generation	--	--	0	*	Q	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	6	1	0	*	*	*	0	5

336411   Aircraft

TOTAL FUEL CONSUMPTION	23	11	*	Q	10	*	0	*
Indirect Uses-Boiler Fuel	--	*	*	*	4	*	0	--
Conventional Boiler Use	--	*	*	*	3	*	0	--
CHP and/or Cogeneration Process	--	--	0	0	*	0	0	--
Direct Uses-Total Process	--	4	0	Q	1	*	0	--
Process Heating	--	1	0	*	1	*	0	--
Process Cooling and Refrigeration	--	*	0	0	*	*	0	--
Machine Drive	--	2	0	Q	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	0	*	0	0	--
Direct Uses-Total Nonprocess	--	7	0	Q	5	*	0	--
Facility HVAC (g)	--	3	0	*	5	*	0	--
Facility Lighting	--	3	--	--	--	--	--	--
Other Facility Support	--	1	0	0	*	*	0	--
Onsite Transportation	--	*	--	Q	*	*	--	--
Conventional Electricity Generation	--	--	0	0	*	0	0	--
Other Nonprocess Use	--	*	0	*	*	0	0	--
End Use Not Reported	1	*	0	0	*	*	0	*

337   FURNITURE AND RELATED PRODUCTS

TOTAL FUEL CONSUMPTION	37	17	0	*	15	1	*	4
Indirect Uses-Boiler Fuel	--	*	0	*	Q	*	*	--
Conventional Boiler Use	--	*	0	0	*	*	*	--
CHP and/or Cogeneration Process	--	--	0	*	Q	*	0	--
Direct Uses-Total Process	--	10	0	*	6	*	*	--
Process Heating	--	1	0	*	6	*	*	--
Process Cooling and Refrigeration	--	*	0	0	*	*	0	--
Machine Drive	--	8	0	0	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	*	0	0	0	*	0	--
Direct Uses-Total Nonprocess	--	7	0	*	8	1	*	--
Facility HVAC (g)	--	3	0	*	7	*	*	--
Facility Lighting	--	3	--	--	--	--	--	--
Other Facility Support	--	1	0	*	*	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	*	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	4	*	0	0	*	*	0	4

339   MISCELLANEOUS

TOTAL FUEL CONSUMPTION	57	29	*	Q	26	1	0	Q
Indirect Uses-Boiler Fuel	--	*	0	Q	Q	0	0	--

End Use							
Conventional Boiler Use	--	*	0	*	1	0	0	--
CHP and/or Cogeneration Process	--	--	0	Q	Q	0	0	--
Direct Uses-Total Process	--	15	0	*	5	*	0	--
Process Heating	--	3	0	*	4	*	0	--
Process Cooling and Refrigeration	--	2	0	0	*	*	0	--
Machine Drive	--	9	0	*	*	*	0	--
Electro-Chemical Processes	--	*	--	--	--	--	--	--
Other Process Use	--	1	0	*	Q	*	0	--
Direct Uses-Total Nonprocess	--	13	*	*	9	*	0	--
Facility HVAC (g)	--	7	*	*	6	*	0	--
Facility Lighting	--	4	--	--	--	--	--	--
Other Facility Support	--	1	*	0	1	*	0	--
Onsite Transportation	--	*	--	*	*	*	--	--
Conventional Electricity Generation	--	--	0	*	Q	*	0	--
Other Nonprocess Use	--	*	0	*	*	*	0	--
End Use Not Reported	Q	*	0	0	*	*	0	Q

(a) The Bureau of the Census classifies establishments using the 2012 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) Hydrocarbon Gas Liquids '(HGL)' include 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.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

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

NA=Not available.

-- Estimation is not applicable.

S=Negative value.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'

RSE Table 5.2   Relative Standard Errors for Table 5.2;
Unit: Percents.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Total United States								
311 - 339	**ALL MANUFACTURING INDUSTRIES**								
	TOTAL FUEL CONSUMPTION	0.6	1.2	2.2	5.4	0.8	2.8	1.1	1.1
	Indirect Uses-Boiler Fuel	--	4.2	2.9	7.3	1.0	3.7	1.3	--
	Conventional Boiler Use	--	4.2	0.4	6.3	2.1	4.7	1.6	--
	CHP and/or Cogeneration Process	--	--	6.1	10.0	1.1	5.9	1.5	--
	Direct Uses-Total Process	--	1.1	2.7	10.6	1.0	3.0	1.8	--
	Process Heating	--	2.2	1.6	7.5	1.1	2.2	2.0	--
	Process Cooling and Refrigeration	--	2.0	73.1	10.3	5.7	27.2	X	--
	Machine Drive	--	1.5	0.1	13.7	3.8	26.2	23.0	--
	Electro-Chemical Processes	--	1.4	--	--	--	--	--	--
	Other Process Use	--	4.6	42.3	25.7	3.3	17.0	0.1	--
	Direct Uses-Total Nonprocess	--	2.2	2.3	6.7	2.5	6.0	12.2	--
	Facility HVAC (g)	--	2.6	4.0	16.4	2.7	17.0	20.2	--
	Facility Lighting	--	2.5	--	--	--	--	--	--
	Other Facility Support	--	4.0	40.2	44.8	3.0	14.7	0.1	--
	Onsite Transportation	--	4.8	--	4.5	9.0	5.3	--	--
	Conventional Electricity Generation	--	--	0.1	38.1	17.4	14.5	0.1	--
	Other Nonprocess Use	--	15.3	63.0	28.4	27.9	30.0	0.1	--
	End Use Not Reported	1.1	10.8	0.1	23.2	7.3	13.0	4.2	1.1
311	**FOOD**								
	TOTAL FUEL CONSUMPTION	2.5	2.5	16.2	11.0	3.1	12.2	0.1	5.5
	Indirect Uses-Boiler Fuel	--	9.2	17.6	16.0	2.5	14.6	0.1	--
	Conventional Boiler Use	--	9.2	1.9	9.9	4.3	19.4	0.1	--
	CHP and/or Cogeneration Process	--	--	40.8	21.5	3.2	22.1	0.2	--
	Direct Uses-Total Process	--	2.5	14.2	31.5	7.4	29.5	0.1	--
	Process Heating	--	8.2	26.5	45.1	8.2	28.0	0.1	--
	Process Cooling and Refrigeration	--	3.6	0.1	10.7	6.5	48.8	X	--
	Machine Drive	--	3.0	0.1	46.9	13.9	59.6	X	--
	Electro-Chemical Processes	--	14.3	--	--	--	--	--	--
	Other Process Use	--	12.9	X	73.0	7.2	9.2	X	--
	Direct Uses-Total Nonprocess	--	3.7	13.1	10.9	4.5	16.4	0.1	--
	Facility HVAC (g)	--	4.7	4.1	6.3	6.0	42.1	0.1	--
	Facility Lighting	--	4.2	--	--	--	--	--	--
	Other Facility Support	--	4.9	41.3	4.6	4.7	29.5	0.1	--
	Onsite Transportation	--	7.9	--	14.6	36.1	11.9	--	--
	Conventional Electricity Generation	--	--	X	60.7	39.9	0.1	X	--
	Other Nonprocess Use	--	13.0	X	10.5	25.2	10.4	X	--
	End Use Not Reported	4.6	21.1	X	24.9	13.5	62.6	0.1	5.5
3112	**Grain and Oilseed Milling**								
	TOTAL FUEL CONSUMPTION	1.3	1.9	37.1	8.0	2.3	31.2	0.1	2.3
	Indirect Uses-Boiler Fuel	--	2.8	56.6	6.0	3.2	52.7	0.2	--
	Conventional Boiler Use	--	2.8	X	4.2	4.8	0.1	0.1	--
	CHP and/or Cogeneration Process	--	--	56.6	18.9	4.6	60.0	0.2	--
	Direct Uses-Total Process	--	2.0	44.0	30.0	3.7	47.8	0.1	--
	Process Heating	--	6.1	44.0	56.7	4.5	44.0	0.1	--
	Process Cooling and Refrigeration	--	3.4	X	80.5	9.2	X	X	--
	Machine Drive	--	2.1	X	15.5	13.3	89.3	X	--
	Electro-Chemical Processes	--	5.8	--	--	--	--	--	--
	Other Process Use	--	33.1	X	4.5	3.8	3.2	X	--
	Direct Uses-Total Nonprocess	--	3.0	44.7	5.6	4.8	15.7	0.1	--
	Facility HVAC (g)	--	4.1	44.7	22.7	5.4	41.2	0.1	--
	Facility Lighting	--	3.0	--	--	--	--	--	--
	Other Facility Support	--	3.3	X	82.3	6.3	58.7	0.1	--
	Onsite Transportation	--	13.7	--	3.6	0.1	9.8	--	--
	Conventional Electricity Generation	--	--	X	9.3	0.1	0.1	X	--

Other Nonprocess Use	--	26.0	X	0.2	0.1	0.1	X	--
End Use Not Reported	1.4	52.3	X	93.7	93.7	17.3	0.1	2.3

311221   Wet Corn Milling

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	0.0	0.0	X	0.0	--
Conventional Boiler Use	--	0.0	X	0.0	0.0	X	0.0	--
CHP and/or Cogeneration Process	--	--	X	X	0.0	X	0.0	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	0.0	--
Process Heating	--	0.0	X	0.0	0.0	0.0	0.0	--
Process Cooling and Refrigeration	--	0.0	X	X	0.0	X	X	--
Machine Drive	--	0.0	X	0.0	0.0	X	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	0.0	X	X	0.0	X	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	0.0	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	0.0	X	--
Onsite Transportation	--	0.0	--	0.0	0.0	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	X	0.0	X	--
Other Nonprocess Use	--	X	X	0.0	X	X	X	--
End Use Not Reported	0.0	X	X	X	X	0.0	0.0	0.0

31131   Sugar

TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indirect Uses-Boiler Fuel	--	0.1	0.1	0.1	0.1	X	0.1	--
Conventional Boiler Use	--	0.1	0.1	X	0.1	X	X	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	0.1	X	0.1	--
Direct Uses-Total Process	--	0.1	0.1	0.1	0.1	X	0.1	--
Process Heating	--	0.1	X	X	0.1	X	0.1	--
Process Cooling and Refrigeration	--	0.1	X	X	X	X	X	--
Machine Drive	--	0.1	0.1	0.1	X	X	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	X	X	X	0.1	X	X	--
Direct Uses-Total Nonprocess	--	0.1	X	0.1	0.1	0.1	X	--
Facility HVAC (g)	--	0.1	X	X	0.1	0.1	X	--
Facility Lighting	--	0.1	--	--	--	--	--	--
Other Facility Support	--	0.1	X	X	0.1	X	X	--
Onsite Transportation	--	0.1	--	0.1	X	0.1	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	X	0.1	X	--
End Use Not Reported	0.1	X	X	X	X	0.1	X	0.1

3114   Fruit and Vegetable Preserving and Specialty Foods

TOTAL FUEL CONSUMPTION	2.1	6.0	5.5	9.0	2.0	31.3	0.1	13.1
Indirect Uses-Boiler Fuel	--	10.6	0.1	6.2	2.5	20.4	0.1	--
Conventional Boiler Use	--	10.6	0.1	3.0	3.0	3.1	X	--
CHP and/or Cogeneration Process	--	--	0.1	57.3	3.6	63.2	0.1	--
Direct Uses-Total Process	--	7.0	4.2	44.1	4.5	74.1	X	--
Process Heating	--	12.7	4.2	26.2	4.7	70.7	X	--
Process Cooling and Refrigeration	--	10.8	X	38.2	13.6	X	X	--
Machine Drive	--	2.6	X	59.1	42.3	96.1	X	--
Electro-Chemical Processes	--	28.9	--	--	--	--	--	--
Other Process Use	--	10.3	X	23.5	15.7	28.6	X	--
Direct Uses-Total Nonprocess	--	4.8	30.2	13.2	4.3	21.1	X	--
Facility HVAC (g)	--	4.6	11.1	42.4	3.3	57.2	X	--
Facility Lighting	--	5.5	--	--	--	--	--	--
Other Facility Support	--	8.4	47.9	X	15.5	65.6	X	--
Onsite Transportation	--	17.3	--	14.3	54.4	9.3	--	--
Conventional Electricity Generation	--	--	X	10.4	45.9	X	X	--
Other Nonprocess Use	--	0.1	X	23.0	X	0.2	X	--
End Use Not Reported	8.1	24.7	X	15.4	9.7	16.9	X	13.1

3115   Dairy Products

TOTAL FUEL CONSUMPTION	2.0	2.2	0.4	26.6	2.3	20.7	0.1	23.4
Indirect Uses-Boiler Fuel	--	8.6	0.5	22.7	2.8	33.6	X	--

Conventional Boiler Use	--	8.6	0.2	0.9	3.2	88.6	X	--
CHP and/or Cogeneration Process	--	--	57.2	38.8	4.9	35.9	X	--
Direct Uses-Total Process	--	2.6	0.1	64.6	4.5	11.5	0.1	--
Process Heating	--	7.0	0.1	93.6	4.4	17.3	0.1	--
Process Cooling and Refrigeration	--	4.0	0.1	33.2	11.6	X	X	--
Machine Drive	--	3.0	0.1	95.7	34.3	0.1	X	--
Electro-Chemical Processes	--	10.7	--	--	--	--	--	--
Other Process Use	--	6.6	X	55.2	23.2	0.1	X	--
Direct Uses-Total Nonprocess	--	3.3	0.1	21.2	6.2	17.5	0.1	--
Facility HVAC (g)	--	3.7	0.1	78.5	6.8	29.0	0.1	--
Facility Lighting	--	3.3	--	--	--	--	--	--
Other Facility Support	--	7.0	X	X	9.5	95.6	X	--
Onsite Transportation	--	7.8	--	19.7	0.1	14.5	--	--
Conventional Electricity Generation	--	--	X	65.6	X	X	X	--
Other Nonprocess Use	--	19.6	X	30.3	17.5	0.1	X	--
End Use Not Reported	10.3	12.5	X	58.6	13.3	38.0	X	23.4
3116 **Animal Slaughtering and Processing**								
TOTAL FUEL CONSUMPTION	2.1	2.3	14.9	7.3	2.8	17.7	26.8	20.8
Indirect Uses-Boiler Fuel	--	10.1	15.0	6.6	4.2	9.8	26.8	--
Conventional Boiler Use	--	10.1	15.3	25.2	7.5	2.8	X	--
CHP and/or Cogeneration Process	--	--	19.1	6.8	5.7	36.8	26.8	--
Direct Uses-Total Process	--	2.0	X	34.5	4.3	25.4	X	--
Process Heating	--	8.2	X	49.1	4.7	24.4	X	--
Process Cooling and Refrigeration	--	2.8	X	1.1	15.7	54.1	X	--
Machine Drive	--	2.7	X	0.1	21.6	39.9	X	--
Electro-Chemical Processes	--	10.0	--	--	--	--	--	--
Other Process Use	--	10.9	X	66.4	11.9	66.1	X	--
Direct Uses-Total Nonprocess	--	2.9	19.2	8.8	3.2	54.9	X	--
Facility HVAC (g)	--	3.6	X	21.3	3.9	66.6	X	--
Facility Lighting	--	3.5	--	--	--	--	--	--
Other Facility Support	--	6.1	19.2	75.2	4.2	42.4	X	--
Onsite Transportation	--	8.2	--	20.7	8.8	7.9	--	--
Conventional Electricity Generation	--	--	X	39.4	76.7	X	X	--
Other Nonprocess Use	--	20.5	X	9.0	31.1	26.5	X	--
End Use Not Reported	19.4	76.8	X	28.1	38.2	24.3	X	20.8
312 **BEVERAGE AND TOBACCO PRODUCTS**								
TOTAL FUEL CONSUMPTION	3.7	7.6	0.1	18.5	4.4	10.3	0.1	4.2
Indirect Uses-Boiler Fuel	--	4.9	0.1	33.5	3.0	36.4	0.1	--
Conventional Boiler Use	--	4.9	0.1	33.6	3.1	69.1	0.1	--
CHP and/or Cogeneration Process	--	--	X	61.3	6.4	23.1	0.1	--
Direct Uses-Total Process	--	5.7	X	71.7	17.8	26.6	0.1	--
Process Heating	--	10.1	X	60.2	19.3	20.2	0.1	--
Process Cooling and Refrigeration	--	10.6	X	X	54.3	X	X	--
Machine Drive	--	3.8	X	87.6	19.1	61.1	X	--
Electro-Chemical Processes	--	10.2	--	--	--	--	--	--
Other Process Use	--	5.8	X	83.9	3.7	22.7	X	--
Direct Uses-Total Nonprocess	--	15.0	X	18.4	7.5	9.1	0.1	--
Facility HVAC (g)	--	9.7	X	24.4	7.6	27.6	0.1	--
Facility Lighting	--	15.7	--	--	--	--	--	--
Other Facility Support	--	22.3	X	0.1	25.4	46.1	X	--
Onsite Transportation	--	36.5	--	20.8	54.6	9.5	--	--
Conventional Electricity Generation	--	--	X	77.2	0.1	X	X	--
Other Nonprocess Use	--	12.0	X	52.8	1.8	16.9	X	--
End Use Not Reported	4.6	9.6	X	0.1	7.6	8.7	X	4.2
3121 **Beverages**								
TOTAL FUEL CONSUMPTION	4.1	8.4	X	19.8	5.0	11.1	0.1	4.2
Indirect Uses-Boiler Fuel	--	5.1	X	40.9	3.4	41.3	0.1	--
Conventional Boiler Use	--	5.1	X	50.2	3.6	69.2	0.1	--
CHP and/or Cogeneration Process	--	--	X	62.0	6.7	30.4	0.1	--
Direct Uses-Total Process	--	6.2	X	74.3	20.6	29.7	X	--
Process Heating	--	11.2	X	75.8	22.3	20.4	X	--
Process Cooling and Refrigeration	--	10.8	X	X	81.0	X	X	--
Machine Drive	--	4.2	X	87.7	19.8	68.5	X	--
Electro-Chemical Processes	--	10.4	--	--	--	--	--	--
Other Process Use	--	6.0	X	83.9	4.2	33.0	X	--
Direct Uses-Total Nonprocess	--	17.9	X	18.6	8.6	9.6	X	--

Facility HVAC (g)	--	12.6	X	24.5	8.2	28.5	X	--
Facility Lighting	--	18.0	--	--	--	--	--	--
Other Facility Support	--	25.9	X	X	26.8	46.1	X	--
Onsite Transportation	--	37.7	--	20.9	57.8	10.1	--	--
Conventional Electricity Generation	--	--	X	81.6	0.1	X	X	--
Other Nonprocess Use	--	12.5	X	54.7	18.6	21.5	X	--
End Use Not Reported	4.6	9.6	X	0.1	7.6	8.7	X	4.2

3122   Tobacco

TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indirect Uses-Boiler Fuel	--	0.1	0.1	0.1	0.1	0.1	0.1	--
Conventional Boiler Use	--	0.1	0.1	0.1	0.1	0.1	0.1	--
CHP and/or Cogeneration Process	--	--	X	0.1	0.1	0.1	0.1	--
Direct Uses-Total Process	--	0.1	X	0.1	0.1	0.1	0.1	--
Process Heating	--	0.1	X	0.1	0.1	0.1	0.1	--
Process Cooling and Refrigeration	--	0.1	X	X	0.1	X	X	--
Machine Drive	--	0.1	X	0.1	0.1	0.1	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	X	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	0.1	X	0.1	0.1	0.1	0.1	--
Facility HVAC (g)	--	0.1	X	0.1	0.1	0.1	0.1	--
Facility Lighting	--	0.1	--	--	--	--	--	--
Other Facility Support	--	0.1	X	0.1	0.1	X	X	--
Onsite Transportation	--	0.1	--	0.1	0.1	0.1	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.1	0.1	X	--
End Use Not Reported	0.1	X	X	X	X	X	X	0.1

313   TEXTILE MILLS

TOTAL FUEL CONSUMPTION	16.2	13.7	48.0	55.7	17.1	10.9	43.2	40.1
Indirect Uses-Boiler Fuel	--	35.7	67.6	85.2	17.6	3.7	43.2	--
Conventional Boiler Use	--	35.7	68.7	31.3	3.0	76.3	--
CHP and/or Cogeneration Process	--	--	67.6	90.9	22.1	66.0	48.0	--
Direct Uses-Total Process	--	16.3	0.1	91.1	27.5	15.9	X	--
Process Heating	--	17.5	0.1	0.1	16.3	16.4	X	--
Process Cooling and Refrigeration	--	14.8	X	X	76.7	0.1	X	--
Machine Drive	--	19.5	X	X	76.9	59.4	X	--
Electro-Chemical Processes	--	48.1	--	--	--	--	--	--
Other Process Use	--	17.3	X	96.2	30.2	28.1	X	--
Direct Uses-Total Nonprocess	--	12.1	0.5	27.9	13.4	26.7	X	--
Facility HVAC (g)	--	15.0	0.5	60.6	13.0	69.7	X	--
Facility Lighting	--	11.6	--	--	--	--	--	--
Other Facility Support	--	15.5	X	0.1	60.9	0.1	X	--
Onsite Transportation	--	24.4	--	32.3	X	22.2	--	--
Conventional Electricity Generation	--	--	X	17.0	X	X	X	--
Other Nonprocess Use	--	52.7	X	60.3	X	64.8	X	--
End Use Not Reported	37.6	61.1	X	X	0.3	8.1	X	40.1

314   TEXTILE PRODUCT MILLS

TOTAL FUEL CONSUMPTION	11.8	9.0	0.1	18.8	16.6	50.0	9.6	44.2
Indirect Uses-Boiler Fuel	--	28.6	0.1	18.4	21.3	17.9	9.6	--
Conventional Boiler Use	--	28.6	X	28.9	31.5	42.5	31.1	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	18.1	0.1	7.0	--
Direct Uses-Total Process	--	10.3	X	37.6	14.9	40.3	X	--
Process Heating	--	13.0	X	0.1	15.2	46.6	X	--
Process Cooling and Refrigeration	--	18.3	X	X	X	X	X	--
Machine Drive	--	11.4	X	79.6	81.0	99.4	X	--
Electro-Chemical Processes	--	3.6	--	--	--	--	--	--
Other Process Use	--	36.0	X	0.1	40.0	62.8	X	--
Direct Uses-Total Nonprocess	--	13.6	X	28.6	42.7	28.8	X	--
Facility HVAC (g)	--	17.1	X	0.1	43.2	71.3	X	--
Facility Lighting	--	13.5	--	--	--	--	--	--
Other Facility Support	--	27.6	X	0.1	36.6	0.1	X	--
Onsite Transportation	--	15.2	--	38.7	X	32.6	--	--
Conventional Electricity Generation	--	--	X	45.2	X	X	X	--
Other Nonprocess Use	--	82.7	X	0.1	X	84.7	X	--
End Use Not Reported	43.9	97.8	X	94.3	0.1	89.9	X	44.2

315   APPAREL

TOTAL FUEL CONSUMPTION	9.1	9.3	X	68.9	12.8	56.8	X	0.2
Indirect Uses-Boiler Fuel	--	27.9	X	50.6	16.6	76.0	X	--
Conventional Boiler Use	--	27.9	X	50.6	14.1	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	29.5	76.0	X	--
Direct Uses-Total Process	--	10.8	X	67.6	18.0	60.7	X	--
Process Heating	--	24.2	X	X	39.7	76.0	X	--
Process Cooling and Refrigeration	--	29.2	X	X	X	X	X	--
Machine Drive	--	11.7	X	X	13.9	X	X	--
Electro-Chemical Processes	--	76.1	--	--	--	--	--	--
Other Process Use	--	X	X	67.6	0.1	96.8	X	--
Direct Uses-Total Nonprocess	--	11.9	X	70.4	27.0	81.3	X	--
Facility HVAC (g)	--	14.0	X	70.9	27.0	96.5	X	--
Facility Lighting	--	15.1	--	--	--	--	--	--
Other Facility Support	--	11.8	X	X	65.3	X	X	--
Onsite Transportation	--	31.0	--	1.4	X	78.4	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	X	X	X	X	X	X	--
End Use Not Reported	26.6	68.7	X	X	13.7	0.1	X	0.2

316   LEATHER AND ALLIED PRODUCTS

TOTAL FUEL CONSUMPTION	4.7	7.4	67.2	12.4	5.4	9.0	X	4.0
Indirect Uses-Boiler Fuel	--	46.8	78.4	0.1	9.9	X	X	--
Conventional Boiler Use	--	46.8	X	X	32.3	X	X	--
CHP and/or Cogeneration Process	--	--	78.4	0.1	9.8	X	X	--
Direct Uses-Total Process	--	7.9	89.5	47.8	7.4	2.3	X	--
Process Heating	--	23.7	X	47.8	8.1	0.1	X	--
Process Cooling and Refrigeration	--	21.4	X	X	X	X	X	--
Machine Drive	--	7.4	X	X	12.1	X	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	42.8	89.5	X	0.1	57.9	X	--
Direct Uses-Total Nonprocess	--	7.3	X	15.2	12.5	15.1	X	--
Facility HVAC (g)	--	9.8	X	15.9	11.9	23.7	X	--
Facility Lighting	--	8.9	--	--	--	--	--	--
Other Facility Support	--	19.0	X	X	47.6	0.1	X	--
Onsite Transportation	--	15.4	--	53.6	X	8.5	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	25.9	X	0.1	X	X	X	--
End Use Not Reported	11.1	51.0	X	X	10.8	55.2	X	4.0

321   WOOD PRODUCTS

TOTAL FUEL CONSUMPTION	9.5	11.9	0.1	9.7	3.9	8.9	0.1	11.0
Indirect Uses-Boiler Fuel	--	9.9	X	10.6	7.7	33.6	0.1	--
Conventional Boiler Use	--	9.9	X	9.2	4.8	1.1	0.1	--
CHP and/or Cogeneration Process	--	--	X	35.7	11.1	49.7	0.1	--
Direct Uses-Total Process	--	11.7	0.1	30.8	4.8	14.6	0.1	--
Process Heating	--	3.9	0.1	19.7	5.4	13.2	0.1	--
Process Cooling and Refrigeration	--	9.2	X	69.0	0.1	X	X	--
Machine Drive	--	12.9	0.1	15.4	17.9	33.6	X	--
Electro-Chemical Processes	--	13.3	--	--	--	--	--	--
Other Process Use	--	16.1	0.1	71.5	0.1	45.5	X	--
Direct Uses-Total Nonprocess	--	15.2	X	8.0	10.3	11.5	X	--
Facility HVAC (g)	--	29.6	X	17.5	10.7	37.1	X	--
Facility Lighting	--	4.2	--	--	--	--	--	--
Other Facility Support	--	7.9	X	15.2	19.8	68.4	X	--
Onsite Transportation	--	13.3	--	8.3	21.9	10.2	--	--
Conventional Electricity Generation	--	--	X	11.5	85.5	0.2	X	--
Other Nonprocess Use	--	11.7	X	38.9	0.1	36.9	X	--
End Use Not Reported	10.9	13.2	X	63.5	59.6	35.2	X	11.0

321113   Sawmills

TOTAL FUEL CONSUMPTION	1.3	3.6	0.1	12.1	3.0	11.0	0.1	1.3
Indirect Uses-Boiler Fuel	--	17.3	X	1.0	6.1	21.7	X	--
Conventional Boiler Use	--	17.3	X	0.1	2.7	X	X	--
CHP and/or Cogeneration Process	--	--	X	1.5	17.2	21.7	X	--
Direct Uses-Total Process	--	3.9	0.1	8.9	3.5	20.9	0.1	--
Process Heating	--	4.0	0.1	10.1	3.6	25.9	0.1	--

End Use							
Process Cooling and Refrigeration	--	2.7	X	X	X	X	X	--
Machine Drive	--	4.2	0.1	11.2	8.3	17.0	X	--
Electro-Chemical Processes	--	6.2	--	--	--	--	--	--
Other Process Use	--	1.5	X	31.3	X	4.5	X	--
Direct Uses-Total Nonprocess	--	6.2	X	5.1	4.7	3.8	X	--
Facility HVAC (g)	--	6.5	X	21.6	5.3	11.3	X	--
Facility Lighting	--	4.5	--	--	--	--	--	--
Other Facility Support	--	15.3	X	2.4	17.2	16.5	X	--
Onsite Transportation	--	14.4	--	5.2	0.1	3.5	--	--
Conventional Electricity Generation	--	--	X	13.2	86.9	0.1	X	--
Other Nonprocess Use	--	1.0	X	7.9	0.1	2.6	X	--
End Use Not Reported	1.4	13.0	X	79.4	X	38.2	X	1.3

3212 Veneer, Plywood, and Engineered Woods

End Use							
TOTAL FUEL CONSUMPTION	2.2	4.8	X	8.5	4.1	5.1	0.1	1.7
Indirect Uses-Boiler Fuel	--	0.4	X	7.1	1.8	0.8	0.1	--
Conventional Boiler Use	--	0.4	X	0.1	2.2	0.1	0.1	--
CHP and/or Cogeneration Process	--	--	X	63.8	2.6	0.8	0.1	--
Direct Uses-Total Process	--	5.1	X	6.2	5.0	15.3	X	--
Process Heating	--	1.1	X	22.0	5.8	19.4	X	--
Process Cooling and Refrigeration	--	0.6	X	X	X	X	X	--
Machine Drive	--	5.7	X	0.1	1.2	36.4	X	--
Electro-Chemical Processes	--	1.5	--	--	--	--	--	--
Other Process Use	--	3.9	X	0.1	0.1	7.0	X	--
Direct Uses-Total Nonprocess	--	4.2	X	10.3	21.2	5.2	X	--
Facility HVAC (g)	--	6.6	X	16.1	22.6	27.8	X	--
Facility Lighting	--	4.2	--	--	--	--	--	--
Other Facility Support	--	3.2	X	24.9	28.2	83.1	X	--
Onsite Transportation	--	16.6	--	10.0	X	3.7	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	0.1	X	52.6	0.1	0.1	X	--
End Use Not Reported	1.7	10.0	X	0.1	23.7	0.1	X	1.7

321219 Reconstituted Wood Products

End Use							
TOTAL FUEL CONSUMPTION	3.5	7.1	X	5.5	4.6	11.1	0.1	2.9
Indirect Uses-Boiler Fuel	--	0.1	X	0.1	0.1	0.1	0.1	--
Conventional Boiler Use	--	0.1	X	X	0.1	0.1	0.1	--
CHP and/or Cogeneration Process	--	--	X	0.1	0.1	0.1	0.1	--
Direct Uses-Total Process	--	7.4	X	0.1	5.5	20.0	X	--
Process Heating	--	0.5	X	0.1	6.5	22.2	X	--
Process Cooling and Refrigeration	--	0.3	X	X	X	X	X	--
Machine Drive	--	8.4	X	0.1	0.1	23.1	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	6.3	X	X	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	6.5	X	6.3	7.1	15.4	X	--
Facility HVAC (g)	--	9.6	X	0.1	8.9	7.8	X	--
Facility Lighting	--	6.4	--	--	--	--	--	--
Other Facility Support	--	2.6	X	50.6	0.1	85.4	X	--
Onsite Transportation	--	16.1	--	6.5	X	11.5	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.1	0.1	X	--
End Use Not Reported	2.8	0.1	X	X	X	X	X	2.9

3219 Other Wood Products

End Use							
TOTAL FUEL CONSUMPTION	38.5	29.4	0.1	25.8	11.5	15.1	X	58.1
Indirect Uses-Boiler Fuel	--	23.2	X	41.0	21.8	59.8	X	--
Conventional Boiler Use	--	23.2	X	42.9	22.0	58.6	X	--
CHP and/or Cogeneration Process	--	--	X	96.8	26.9	60.5	X	--
Direct Uses-Total Process	--	30.3	0.1	53.8	21.2	25.6	X	--
Process Heating	--	14.1	X	47.6	22.9	23.7	X	--
Process Cooling and Refrigeration	--	23.5	X	69.0	0.1	X	X	--
Machine Drive	--	32.9	0.1	41.3	57.2	44.7	X	--
Electro-Chemical Processes	--	83.1	--	--	--	--	--	--
Other Process Use	--	24.8	X	81.8	94.2	64.6	X	--
Direct Uses-Total Nonprocess	--	29.0	X	30.5	13.0	19.8	X	--
Facility HVAC (g)	--	45.8	X	72.4	13.3	44.7	X	--
Facility Lighting	--	9.4	--	--	--	--	--	--
Other Facility Support	--	17.1	X	X	32.7	66.5	X	

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
Onsite Transportation	--	19.2	--	32.6	22.5	19.8	--	--
Conventional Electricity Generation	--	--	X	59.8	96.6	45.3	X	--
Other Nonprocess Use	--	33.8	X	79.1	X	70.0	X	--
End Use Not Reported	57.2	47.0	X	99.0	74.3	46.2	X	58.1

322   PAPER

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	0.3	1.7	0.1	0.8	1.1	9.0	0.1	0.1
Indirect Uses-Boiler Fuel	--	4.9	0.1	0.9	1.1	34.7	0.1	--
Conventional Boiler Use	--	4.9	0.1	8.1	4.5	X	0.1	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	1.1	34.7	0.1	--
Direct Uses-Total Process	--	1.6	0.1	5.5	2.2	14.2	0.1	--
Process Heating	--	10.0	0.1	12.5	2.6	15.9	0.1	--
Process Cooling and Refrigeration	--	8.0	X	X	0.1	X	X	--
Machine Drive	--	1.7	0.1	3.7	1.0	0.1	0.1	--
Electro-Chemical Processes	--	0.4	--	--	--	--	--	--
Other Process Use	--	2.7	X	4.0	6.0	49.8	0.1	--
Direct Uses-Total Nonprocess	--	5.0	0.1	0.1	5.2	8.0	0.1	--
Facility HVAC (g)	--	8.0	0.1	0.1	6.6	19.6	0.1	--
Facility Lighting	--	3.6	--	--	--	--	--	--
Other Facility Support	--	5.5	X	39.5	6.0	19.8	X	--
Onsite Transportation	--	15.7	--	0.1	65.7	8.3	--	--
Conventional Electricity Generation	--	--	0.1	12.0	1.0	92.3	0.1	--
Other Nonprocess Use	--	62.9	0.1	0.3	50.4	6.0	X	--
End Use Not Reported	0.1	13.8	0.1	4.7	97.4	54.1	0.1	0.1

322110   Pulp Mills

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Conventional Boiler Use	--	0.0	X	0.0	X	X	X	--
CHP and/or Cogeneration Process	--	--	0.0	0.0	0.0	0.0	0.0	--
Direct Uses-Total Process	--	0.0	0.0	0.0	0.0	0.0	X	--
Process Heating	--	0.0	0.0	0.0	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	X	X	X	X	--
Machine Drive	--	0.0	X	0.0	X	X	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	X	X	X	X	X	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	X	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	0.0	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	X	X	X	X	X	X	--
End Use Not Reported	0.0	X	X	X	X	0.0	X	0.0

322121   Paper Mills, except Newsprint

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indirect Uses-Boiler Fuel	--	0.1	0.1	0.1	0.1	0.1	0.1	--
Conventional Boiler Use	--	0.1	0.1	0.1	0.1	X	0.1	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	0.1	0.1	0.1	--
Direct Uses-Total Process	--	0.1	0.1	0.1	0.1	0.0	0.1	--
Process Heating	--	0.1	0.1	0.1	0.1	0.1	0.1	--
Process Cooling and Refrigeration	--	0.1	X	X	0.1	X	X	--
Machine Drive	--	0.1	0.1	0.1	0.1	0.1	0.1	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	0.1	X	0.1	--
Direct Uses-Total Nonprocess	--	0.1	0.1	0.1	0.1	0.1	0.1	--
Facility HVAC (g)	--	0.1	0.1	0.1	0.1	0.1	0.1	--
Facility Lighting	--	0.1	--	--	--	--	--	--
Other Facility Support	--	0.1	X	0.1	0.1	0.1	X	--
Onsite Transportation	--	0.1	--	0.1	0.1	0.1	--	--
Conventional Electricity Generation	--	--	0.1	0.1	0.1	X	0.1	--
Other Nonprocess Use	--	X	0.1	0.1	0.1	0.1	X	--
End Use Not Reported	0.1	X	X	0.1	X	0.1	0.1	0.1

322122   Newsprint Mills

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	0.0	0.0	X	0.0	--
Conventional Boiler Use	--	0.0	X	X	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.0	0.0	X	0.0	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
Process Heating	--	0.0	X	X	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	X	X	X	X	--
Machine Drive	--	0.0	X	0.0	X	X	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	0.0	X	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	X	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	X	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	X	X	0.0	X	X	X	--
End Use Not Reported	0.0	0.0	X	X	X	X	X	0.0

322130   Paperboard Mills

TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Conventional Boiler Use	--	0.0	0.0	0.0	0.0	X	0.0	--
CHP and/or Cogeneration Process	--	--	0.0	0.0	0.0	0.0	0.0	--
Direct Uses-Total Process	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Process Heating	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Process Cooling and Refrigeration	--	0.0	X	X	X	X	X	--
Machine Drive	--	0.0	X	0.0	0.0	0.0	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	0.0	0.0	X	--
Direct Uses-Total Nonprocess	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Facility HVAC (g)	--	0.0	0.0	0.0	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	0.0	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	0.0	0.0	0.0	X	0.0	--
Other Nonprocess Use	--	0.0	X	0.0	X	0.0	X	--
End Use Not Reported	0.0	0.0	0.0	0.0	X	0.0	X	0.0

323   PRINTING AND RELATED SUPPORT

TOTAL FUEL CONSUMPTION	18.1	17.6	51.8	25.1	20.0	33.8	X	79.1
Indirect Uses-Boiler Fuel	--	33.9	51.8	69.0	16.4	45.3	X	--
Conventional Boiler Use	--	33.9	51.8	50.6	16.5	60.9	X	--
CHP and/or Cogeneration Process	--	--	X	72.0	32.8	65.0	X	--
Direct Uses-Total Process	--	19.5	X	72.2	25.4	71.3	X	--
Process Heating	--	15.0	X	X	27.2	77.9	X	--
Process Cooling and Refrigeration	--	24.9	X	X	98.2	X	X	--
Machine Drive	--	20.9	X	23.2	39.9	22.8	X	--
Electro-Chemical Processes	--	46.6	--	--	--	--	--	--
Other Process Use	--	26.6	X	84.7	69.4	66.1	X	--
Direct Uses-Total Nonprocess	--	15.9	X	27.9	26.5	26.9	X	--
Facility HVAC (g)	--	21.0	X	72.0	28.3	43.5	X	--
Facility Lighting	--	13.9	--	--	--	--	--	--
Other Facility Support	--	14.1	X	81.4	19.8	71.3	X	--
Onsite Transportation	--	25.5	--	7.1	67.7	29.6	--	--
Conventional Electricity Generation	--	--	X	65.2	92.5	X	X	--
Other Nonprocess Use	--	90.8	X	91.3	86.6	X	X	--
End Use Not Reported	40.8	59.9	X	X	49.5	77.6	X	79.1

324   PETROLEUM AND COAL PRODUCTS

TOTAL FUEL CONSUMPTION	0.1	0.1	5.2	1.7	0.3	0.2	0.1	0.1
Indirect Uses-Boiler Fuel	--	0.3	0.1	2.0	0.1	0.6	0.1	--
Conventional Boiler Use	--	0.3	0.1	4.9	0.1	0.1	X	--
CHP and/or Cogeneration Process	--	--	0.1	1.3	0.2	1.7	0.1	--
Direct Uses-Total Process	--	0.1	6.7	3.7	0.4	0.2	0.1	--
Process Heating	--	3.6	4.1	6.8	0.5	0.1	X	--
Process Cooling and Refrigeration	--	0.4	79.0	57.8	0.1	0.1	X	--
Machine Drive	--	0.1	0.1	4.4	2.7	30.2	X	--

Electro-Chemical Processes	--	0.5	--	--	--	--	--	--
Other Process Use	--	4.0	61.5	14.6	0.3	3.5	0.1	--
Direct Uses-Total Nonprocess	--	0.5	0.1	1.1	2.0	6.6	0.1	--
Facility HVAC (g)	--	0.4	0.1	27.3	3.6	3.0	X	--
Facility Lighting	--	0.6	--	--	--	--	--	--
Other Facility Support	--	0.6	X	2.6	4.1	0.2	X	--
Onsite Transportation	--	21.9	--	1.1	40.2	9.3	--	--
Conventional Electricity Generation	--	--	X	0.5	0.1	6.7	X	--
Other Nonprocess Use	--	2.1	X	1.1	1.8	0.1	0.1	--
End Use Not Reported	0.1	1.4	0.1	17.6	0.2	1.3	X	0.1

324110 Petroleum Refineries

TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indirect Uses-Boiler Fuel	--	0.1	0.1	0.1	0.1	0.1	0.1	--
Conventional Boiler Use	--	0.1	0.1	0.1	0.1	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	0.1	0.1	0.1	--
Direct Uses-Total Process	--	0.1	0.1	0.1	0.2	0.1	X	--
Process Heating	--	1.1	0.1	0.1	0.2	0.1	X	--
Process Cooling and Refrigeration	--	0.4	X	X	0.1	0.1	X	--
Machine Drive	--	0.1	X	0.1	0.1	0.1	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	0.2	X	0.1	1.1	0.5	X	--
Facility HVAC (g)	--	0.1	X	0.1	2.5	0.1	X	--
Facility Lighting	--	0.2	--	--	--	--	--	--
Other Facility Support	--	0.3	X	0.1	6.0	0.1	X	--
Onsite Transportation	--	X	--	0.1	X	0.1	--	--
Conventional Electricity Generation	--	--	X	0.1	0.1	6.7	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.1	X	X	--
End Use Not Reported	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1

324121 Asphalt Paving Mixture and Block

TOTAL FUEL CONSUMPTION	5.5	3.6	13.5	3.8	5.6	6.0	X	26.0
Indirect Uses-Boiler Fuel	--	4.0	X	2.5	7.3	47.5	X	--
Conventional Boiler Use	--	4.0	X	0.3	12.3	21.1	X	--
CHP and/or Cogeneration Process	--	--	X	2.9	7.8	49.4	X	--
Direct Uses-Total Process	--	3.7	13.5	5.3	6.4	4.8	X	--
Process Heating	--	9.1	10.1	7.8	7.5	5.5	X	--
Process Cooling and Refrigeration	--	6.6	79.0	57.8	0.1	X	X	--
Machine Drive	--	3.6	0.1	8.2	9.8	11.5	X	--
Electro-Chemical Processes	--	4.5	--	--	--	--	--	--
Other Process Use	--	1.0	61.5	14.1	5.6	13.0	X	--
Direct Uses-Total Nonprocess	--	5.4	0.1	3.9	8.9	26.9	X	--
Facility HVAC (g)	--	6.7	0.1	11.4	9.5	32.4	X	--
Facility Lighting	--	6.1	--	--	--	--	--	--
Other Facility Support	--	4.7	X	3.9	11.9	11.0	X	--
Onsite Transportation	--	19.8	--	4.4	59.7	49.8	--	--
Conventional Electricity Generation	--	--	X	1.2	0.1	X	X	--
Other Nonprocess Use	--	16.4	X	21.5	28.5	0.1	X	--
End Use Not Reported	22.7	36.4	X	54.8	42.2	42.4	X	26.0

324122 Asphalt Shingle and Coating Materials

TOTAL FUEL CONSUMPTION	1.2	0.9	0.1	19.7	1.3	19.7	0.1	0.9
Indirect Uses-Boiler Fuel	--	1.5	0.1	0.2	3.0	0.1	X	--
Conventional Boiler Use	--	1.5	X	6.9	2.3	0.1	X	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	4.0	0.1	X	--
Direct Uses-Total Process	--	0.7	X	45.9	1.1	65.5	0.1	--
Process Heating	--	7.3	X	26.8	1.1	6.5	X	--
Process Cooling and Refrigeration	--	2.3	X	X	0.1	X	X	--
Machine Drive	--	0.5	X	68.7	0.1	79.6	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	53.3	1.3	54.6	0.1	--
Direct Uses-Total Nonprocess	--	2.4	X	0.1	1.3	4.0	X	--
Facility HVAC (g)	--	0.7	X	0.1	1.3	0.1	X	--
Facility Lighting	--	4.4	--	--	--	--	--	--
Other Facility Support	--	2.9	X	0.1	2.3	0.1	X	--
Onsite Transportation	--	0.4	--	0.1	0.1	4.2	--	--
Conventional Electricity Generation	--	--	X	0.1	0.1	X	X	--

Other Nonprocess Use		--	X	X	5.4	76.6	0.1	X	--
End Use Not Reported		1.3	X	X	0.1	X	31.1	X	0.9

324199 Other Petroleum and Coal Products

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	0.0	0.0	0.0	X	--
Conventional Boiler Use	--	0.0	X	0.0	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.0	0.0	0.0	X	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	0.0	--
Process Heating	--	0.0	X	0.0	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	X	X	0.0	X	--
Machine Drive	--	0.0	X	0.0	X	X	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	X	0.0	0.0	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	0.0	--
Facility HVAC (g)	--	0.0	X	0.0	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	0.0	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	X	X	X	--
Other Nonprocess Use	--	0.0	X	0.0	0.0	X	0.0	--
End Use Not Reported	0.0	X	X	X	X	0.0	X	0.0

325 CHEMICALS

TOTAL FUEL CONSUMPTION	1.7	1.9	4.8	4.2	1.0	6.7	3.3	6.2
Indirect Uses-Boiler Fuel	--	7.0	4.8	7.7	1.5	9.0	2.4	--
Conventional Boiler Use	--	7.0	0.2	15.3	3.9	7.8	2.4	--
CHP and/or Cogeneration Process	--	--	24.4	8.8	1.5	12.2	2.7	--
Direct Uses-Total Process	--	1.8	24.1	4.4	1.1	9.9	30.8	--
Process Heating	--	3.6	24.1	39.4	1.3	18.1	30.9	--
Process Cooling and Refrigeration	--	2.9	X	30.8	9.6	67.6	X	--
Machine Drive	--	2.4	X	3.6	2.1	40.9	70.3	--
Electro-Chemical Processes	--	1.3	--	--	--	--	--	--
Other Process Use	--	7.3	X	6.1	4.2	11.6	X	--
Direct Uses-Total Nonprocess	--	4.4	0.1	7.3	4.0	14.3	25.8	--
Facility HVAC (g)	--	4.7	0.1	68.0	4.1	36.3	25.8	--
Facility Lighting	--	5.8	--	--	--	--	--	--
Other Facility Support	--	4.4	X	2.3	6.7	19.6	X	--
Onsite Transportation	--	11.6	--	4.2	36.0	15.8	--	--
Conventional Electricity Generation	--	--	X	19.3	36.7	17.2	X	--
Other Nonprocess Use	--	17.4	X	6.2	34.3	42.7	X	--
End Use Not Reported	5.7	18.4	X	8.2	14.0	3.3	6.1	6.2

325110 Petrochemicals

TOTAL FUEL CONSUMPTION	0.1	0.1	X	0.1	0.1	0.4	X	0.1
Indirect Uses-Boiler Fuel	--	0.1	X	0.1	0.1	0.1	X	--
Conventional Boiler Use	--	0.1	X	0.1	0.1	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	0.1	0.1	X	--
Direct Uses-Total Process	--	0.1	X	0.1	0.1	0.1	X	--
Process Heating	--	0.1	X	X	0.1	0.1	X	--
Process Cooling and Refrigeration	--	0.1	X	X	0.1	X	X	--
Machine Drive	--	0.1	X	0.1	0.1	0.1	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	X	X	0.1	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	0.2	X	0.1	0.1	76.5	X	--
Facility HVAC (g)	--	0.3	X	0.1	0.1	85.3	X	--
Facility Lighting	--	0.1	--	--	--	--	--	--
Other Facility Support	--	0.2	X	0.1	0.1	X	X	--
Onsite Transportation	--	0.1	--	0.1	X	72.5	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.1	X	X	--
End Use Not Reported	0.1	X	X	0.1	X	0.1	X	0.1

325120 Industrial Gases

TOTAL FUEL CONSUMPTION	4.5	6.9	X	37.8	1.4	50.2	X	0.1
Indirect Uses-Boiler Fuel	--	0.3	X	7.2	6.8	73.7	X	--

Conventional Boiler Use	--	0.3	X	0.1	0.5	X	X	--
CHP and/or Cogeneration Process	--	--	X	30.0	15.0	73.7	X	--
Direct Uses-Total Process	--	6.8	X	5.9	1.9	X	X	--
Process Heating	--	13.0	X	19.5	3.8	X	X	--
Process Cooling and Refrigeration	--	8.6	X	57.0	19.1	X	X	--
Machine Drive	--	7.1	X	0.2	0.8	X	X	--
Electro-Chemical Processes	--	24.5	--	--	--	--	--	--
Other Process Use	--	X	X	X	0.8	X	X	--
Direct Uses-Total Nonprocess	--	8.9	X	55.5	0.2	56.3	X	--
Facility HVAC (g)	--	2.9	X	88.5	0.2	34.2	X	--
Facility Lighting	--	8.4	--	--	--	--	--	--
Other Facility Support	--	25.7	X	19.1	36.3	37.3	X	--
Onsite Transportation	--	76.4	--	66.2	51.1	64.4	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	85.4	X	13.9	X	X	X	--
End Use Not Reported	0.1	0.1	X	X	X	85.9	X	0.1

325180 Other Basic Inorganic Chemicals

TOTAL FUEL CONSUMPTION	1.6	1.9	X	3.0	3.2	14.5	0.1	0.5
Indirect Uses-Boiler Fuel	--	18.4	X	13.5	3.8	21.7	0.1	--
Conventional Boiler Use	--	18.4	X	17.7	5.4	83.1	0.1	--
CHP and/or Cogeneration Process	--	--	X	20.9	5.1	22.0	0.1	--
Direct Uses-Total Process	--	1.6	X	19.2	3.9	19.3	0.1	--
Process Heating	--	7.3	X	39.5	7.5	19.4	0.1	--
Process Cooling and Refrigeration	--	2.9	X	0.1	14.5	X	X	--
Machine Drive	--	4.2	X	5.1	3.2	0.1	X	--
Electro-Chemical Processes	--	1.4	--	--	--	--	--	--
Other Process Use	--	9.5	X	0.1	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	7.4	X	2.1	11.0	15.3	X	--
Facility HVAC (g)	--	9.1	X	0.8	11.0	47.1	X	--
Facility Lighting	--	7.2	--	--	--	--	--	--
Other Facility Support	--	6.3	X	0.1	32.4	42.8	X	--
Onsite Transportation	--	32.9	--	2.3	X	12.8	--	--
Conventional Electricity Generation	--	--	X	17.5	X	X	X	--
Other Nonprocess Use	--	0.1	X	53.0	X	0.1	X	--
End Use Not Reported	0.9	51.0	X	X	52.7	35.4	X	0.5

325193 Ethyl Alcohol

TOTAL FUEL CONSUMPTION	3.0	3.6	X	25.8	3.8	8.6	2.6	6.8
Indirect Uses-Boiler Fuel	--	10.5	X	X	5.7	X	5.9	--
Conventional Boiler Use	--	10.5	X	X	10.1	X	0.1	--
CHP and/or Cogeneration Process	--	--	X	X	5.9	X	7.1	--
Direct Uses-Total Process	--	3.7	X	43.0	2.7	0.1	9.3	--
Process Heating	--	5.0	X	X	3.0	X	9.3	--
Process Cooling and Refrigeration	--	6.0	X	X	0.1	X	X	--
Machine Drive	--	3.5	X	43.0	29.1	0.1	X	--
Electro-Chemical Processes	--	10.1	--	--	--	--	--	--
Other Process Use	--	32.4	X	X	13.7	X	X	--
Direct Uses-Total Nonprocess	--	7.9	X	24.2	5.0	9.8	X	--
Facility HVAC (g)	--	12.4	X	X	5.9	71.6	X	--
Facility Lighting	--	5.2	--	--	--	--	--	--
Other Facility Support	--	4.8	X	0.1	6.8	0.1	X	--
Onsite Transportation	--	25.0	--	25.7	0.1	0.4	--	--
Conventional Electricity Generation	--	--	X	64.6	X	X	X	--
Other Nonprocess Use	--	X	X	6.7	0.1	X	X	--
End Use Not Reported	3.3	36.1	X	0.1	53.1	0.1	0.1	6.8

325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	X	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	0.0	0.0	X	X	--
Conventional Boiler Use	--	0.0	X	0.0	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.0	X	X	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
Process Heating	--	0.0	X	X	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	0.0	X	X	X	--
Machine Drive	--	0.0	X	0.0	X	X	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	0.0	0.0	X	--

Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	0.0	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	0.0	X	--
Onsite Transportation	--	0.0	X	X	0.0	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	X	X	X	--
Other Nonprocess Use	--	X	X	X	0.0	X	X	--
End Use Not Reported	0.0	0.0	X	X	X	X	X	0.0

325199   Other Basic Organic Chemicals

TOTAL FUEL CONSUMPTION	4.7	3.7	0.1	2.6	1.4	19.7	5.7	11.8
Indirect Uses-Boiler Fuel	--	10.1	0.1	13.5	1.3	0.2	0.2	--
Conventional Boiler Use	--	10.1	0.1	16.8	2.5	0.1	15.3	--
CHP and/or Cogeneration Process	--	--	X	0.1	1.7	74.2	0.1	--
Direct Uses-Total Process	--	2.5	X	1.3	2.6	24.8	X	--
Process Heating	--	11.2	X	0.2	3.4	26.4	X	--
Process Cooling and Refrigeration	--	4.4	X	X	34.9	74.2	X	--
Machine Drive	--	2.6	X	0.1	0.2	43.2	X	--
Electro-Chemical Processes	--	0.4	--	--	--	--	--	--
Other Process Use	--	13.6	X	11.1	4.0	0.1	X	--
Direct Uses-Total Nonprocess	--	13.0	X	7.4	11.3	26.9	X	--
Facility HVAC (g)	--	9.6	X	63.8	3.7	83.8	X	--
Facility Lighting	--	18.0	--	--	--	--	--	--
Other Facility Support	--	5.8	X	1.3	3.7	46.2	X	--
Onsite Transportation	--	32.1	--	14.3	44.1	22.6	--	--
Conventional Electricity Generation	--	--	X	9.5	15.0	X	X	--
Other Nonprocess Use	--	46.2	X	6.1	82.0	80.9	X	--
End Use Not Reported	11.3	36.2	X	18.6	61.5	10.0	25.7	11.8

325211   Plastics Materials and Resins

TOTAL FUEL CONSUMPTION	1.6	3.7	17.8	5.0	0.8	4.6	32.4	2.2
Indirect Uses-Boiler Fuel	--	6.3	13.0	1.0	0.4	4.8	0.1	--
Conventional Boiler Use	--	6.3	49.0	3.0	3.4	0.1	0.1	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	0.3	9.6	X	--
Direct Uses-Total Process	--	3.6	50.0	1.6	2.6	1.7	58.0	--
Process Heating	--	9.4	50.0	X	3.1	6.7	58.0	--
Process Cooling and Refrigeration	--	11.9	X	43.6	0.1	89.5	X	--
Machine Drive	--	4.1	X	1.6	0.3	65.1	X	--
Electro-Chemical Processes	--	5.1	--	--	--	--	--	--
Other Process Use	--	11.0	X	40.1	6.9	0.4	X	--
Direct Uses-Total Nonprocess	--	6.5	0.1	9.5	5.3	25.0	42.3	--
Facility HVAC (g)	--	7.2	0.1	15.9	6.8	27.4	42.3	--
Facility Lighting	--	7.8	--	--	--	--	--	--
Other Facility Support	--	8.6	X	20.8	4.2	23.6	X	--
Onsite Transportation	--	23.5	--	9.6	82.4	31.3	--	--
Conventional Electricity Generation	--	--	X	15.0	77.1	X	X	--
Other Nonprocess Use	--	2.0	X	14.3	72.5	1.3	X	--
End Use Not Reported	2.2	0.6	X	X	0.1	1.1	X	2.2

325212   Synthetic Rubber

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	0.0	0.0	0.0	0.0	--
Conventional Boiler Use	--	0.0	X	0.0	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.0	0.0	0.0	0.0	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
Process Heating	--	0.0	X	0.0	0.0	X	X	--
Process Cooling and Refrigeration	--	0.0	X	X	0.0	X	X	--
Machine Drive	--	0.0	X	0.0	0.0	0.0	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	X	X	0.0	0.0	X	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	X	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	X	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	X	X	X	--
Other Nonprocess Use	--	0.0	X	0.0	0.0	0.0	X	--
End Use Not Reported	0.0	0.0	X	0.0	X	0.0	X	0.0

325220	Artificial and Synthetic Fibers and Filaments							
TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Conventional Boiler Use	--	0.0	0.0	0.0	0.0	0.0	0.0	--
CHP and/or Cogeneration Process	--	--	X	0.0	0.0	X	0.0	--
Direct Uses-Total Process	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Process Heating	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Process Cooling and Refrigeration	--	0.0	X	X	0.0	X	X	--
Machine Drive	--	0.0	X	0.0	0.0	0.0	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.0	X	X	0.0	X	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	X	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	0.0	0.0	X	X	--
Onsite Transportation	--	0.0	--	0.0	0.0	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	X	X	X	--
Other Nonprocess Use	--	0.0	X	0.0	X	0.0	X	--
End Use Not Reported	0.0	X	X	X	0.0	0.0	X	0.0

325311	Nitrogenous Fertilizers							
TOTAL FUEL CONSUMPTION	3.1	4.3	0.1	4.6	3.3	0.7	X	0.1
Indirect Uses-Boiler Fuel	--	1.4	0.1	X	0.4	0.0	X	--
Conventional Boiler Use	--	1.4	X	X	0.2	X	X	--
CHP and/or Cogeneration Process	--	--	0.1	X	0.5	0.0	X	--
Direct Uses-Total Process	--	5.2	X	0.1	4.6	0.1	X	--
Process Heating	--	0.2	X	0.1	5.1	0.1	X	--
Process Cooling and Refrigeration	--	0.2	X	0.1	0.1	X	X	--
Machine Drive	--	6.3	X	0.1	0.1	X	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	0.1	X	X	--
Direct Uses-Total Nonprocess	--	4.3	X	5.9	29.5	14.2	X	--
Facility HVAC (g)	--	2.3	X	X	32.3	5.2	X	--
Facility Lighting	--	7.2	--	--	--	--	--	--
Other Facility Support	--	4.0	X	X	19.5	X	X	--
Onsite Transportation	--	0.1	--	7.7	X	14.5	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	43.5	X	0.1	X	X	X	--
End Use Not Reported	0.1	0.1	X	X	0.1	0.1	X	0.1

325312	Phosphatic Fertilizers							
TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Conventional Boiler Use	--	0.0	X	X	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	0.0	0.0	0.0	0.0	0.0	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
Process Heating	--	0.0	X	X	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	X	0.0	X	X	--
Machine Drive	--	0.0	X	0.0	X	X	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	X	X	0.0	0.0	0.0	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	X	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	X	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	0.0	X	0.0	X	X	X	--
End Use Not Reported	0.0	0.0	X	X	0.0	X	X	0.0

3254	Pharmaceuticals and Medicines							
TOTAL FUEL CONSUMPTION	4.7	11.3	X	31.9	2.5	22.7	0.1	0.2
Indirect Uses-Boiler Fuel	--	4.4	X	0.2	2.4	16.1	0.1	--
Conventional Boiler Use	--	4.4	X	0.1	4.8	0.4	0.1	--
CHP and/or Cogeneration Process	--	--	X	1.9	1.2	20.6	0.1	--

Direct Uses-Total Process	--	11.7	X	35.4	3.3	23.1	X	--
Process Heating	--	6.3	X	78.1	3.7	5.3	X	--
Process Cooling and Refrigeration	--	11.2	X	0.1	56.5	X	X	--
Machine Drive	--	14.3	X	0.1	47.6	0.1	X	--
Electro-Chemical Processes	--	2.3	--	--	--	--	--	--
Other Process Use	--	4.0	X	38.4	4.4	55.5	X	--
Direct Uses-Total Nonprocess	--	11.6	X	64.3	11.1	34.1	0.1	--
Facility HVAC (g)	--	10.6	X	82.8	12.3	25.7	0.1	--
Facility Lighting	--	18.0	--	--	--	--	--	--
Other Facility Support	--	3.1	X	19.7	3.0	8.8	X	--
Onsite Transportation	--	5.0	--	8.0	11.2	14.0	--	--
Conventional Electricity Generation	--	--	X	2.9	41.3	1.3	X	--
Other Nonprocess Use	--	8.3	X	9.9	8.3	66.4	X	--
End Use Not Reported	1.5	15.7	X	22.0	97.5	X	X	0.2

325412   Pharmaceutical Preparation

TOTAL FUEL CONSUMPTION	1.4	1.9	X	36.8	1.5	25.5	0.1	0.2
Indirect Uses-Boiler Fuel	--	7.4	X	0.2	1.1	40.1	0.1	--
Conventional Boiler Use	--	7.4	X	0.1	1.6	0.4	0.1	--
CHP and/or Cogeneration Process	--	--	X	1.3	1.5	83.8	0.1	--
Direct Uses-Total Process	--	1.7	X	37.4	4.1	26.8	X	--
Process Heating	--	2.5	X	78.1	4.1	5.3	X	--
Process Cooling and Refrigeration	--	2.1	X	0.1	0.9	X	X	--
Machine Drive	--	2.1	X	0.1	47.6	0.1	X	--
Electro-Chemical Processes	--	4.4	--	--	--	--	--	--
Other Process Use	--	0.6	X	40.2	5.1	83.2	X	--
Direct Uses-Total Nonprocess	--	2.2	X	69.1	5.8	19.9	0.1	--
Facility HVAC (g)	--	2.3	X	82.8	6.5	28.9	0.1	--
Facility Lighting	--	2.4	--	--	--	--	--	--
Other Facility Support	--	4.3	X	23.3	2.6	11.0	X	--
Onsite Transportation	--	3.3	--	9.5	24.9	24.2	--	--
Conventional Electricity Generation	--	--	X	4.2	59.4	49.3	X	--
Other Nonprocess Use	--	11.1	X	0.2	12.1	0.1	X	--
End Use Not Reported	1.9	15.7	X	X	97.5	X	X	0.2

325992   Photographic Film, Paper, Plate, and Chemicals

TOTAL FUEL CONSUMPTION	1.6	0.7	0.1	0.0	3.2	39.7	X	0.1
Indirect Uses-Boiler Fuel	--	0.1	0.1	0.1	0.1	0.1	X	--
Conventional Boiler Use	--	0.1	X	X	0.1	X	X	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	0.1	0.1	X	--
Direct Uses-Total Process	--	0.9	X	0.0	13.7	0.1	X	--
Process Heating	--	0.1	X	X	14.4	0.1	X	--
Process Cooling and Refrigeration	--	0.8	X	X	X	0.1	X	--
Machine Drive	--	1.3	X	0.0	0.1	0.0	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.1	X	X	0.1	X	X	--
Direct Uses-Total Nonprocess	--	0.4	X	0.1	0.6	0.1	X	--
Facility HVAC (g)	--	0.5	X	0.0	0.6	0.1	X	--
Facility Lighting	--	0.2	--	--	--	--	--	--
Other Facility Support	--	0.4	X	0.1	0.4	0.1	X	--
Onsite Transportation	--	1.6	--	0.1	X	0.1	--	--
Conventional Electricity Generation	--	--	X	0.1	0.0	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.0	X	X	--
End Use Not Reported	0.3	0.1	X	X	0.1	60.4	X	0.1

326   PLASTICS AND RUBBER PRODUCTS

TOTAL FUEL CONSUMPTION	8.4	9.9	X	70.6	12.4	16.1	62.3	58.2
Indirect Uses-Boiler Fuel	--	42.1	X	67.9	18.4	46.5	64.2	--
Conventional Boiler Use	--	42.1	X	67.9	27.3	46.6	97.5	--
CHP and/or Cogeneration Process	--	--	X	X	25.8	0.1	66.4	--
Direct Uses-Total Process	--	9.2	X	77.0	21.4	39.2	X	--
Process Heating	--	16.7	X	79.4	23.2	71.5	X	--
Process Cooling and Refrigeration	--	11.9	X	X	60.6	X	X	--
Machine Drive	--	9.9	X	41.5	48.2	67.7	X	--
Electro-Chemical Processes	--	56.2	--	--	--	--	--	--
Other Process Use	--	53.6	X	X	58.1	56.1	X	--
Direct Uses-Total Nonprocess	--	16.4	X	79.1	16.8	18.4	97.5	--
Facility HVAC (g)	--	16.8	X	54.8	17.5	41.3	97.5	--

Facility Lighting	--	18.1	--	--	--	--	--	--
Other Facility Support	--	27.9	X	73.1	30.7	98.9	X	--
Onsite Transportation	--	23.7	--	37.2	73.7	14.7	--	--
Conventional Electricity Generation	--	--	X	50.6	X	X	X	--
Other Nonprocess Use	--	96.7	X	97.0	97.2	99.0	X	--
End Use Not Reported	38.3	67.6	X	0.1	98.8	38.1	X	58.2

327   NONMETALLIC MINERAL PRODUCTS

TOTAL FUEL CONSUMPTION	2.2	3.6	5.6	16.9	4.1	14.9	0.9	1.1
Indirect Uses-Boiler Fuel	--	9.7	79.8	78.4	20.2	48.8	0.1	--
Conventional Boiler Use	--	9.7	X	85.6	17.2	66.5	X	--
CHP and/or Cogeneration Process	--	--	79.8	79.2	23.7	50.9	0.1	--
Direct Uses-Total Process	--	1.9	1.5	28.3	2.4	28.8	0.9	--
Process Heating	--	1.9	1.5	4.3	2.4	36.7	0.9	--
Process Cooling and Refrigeration	--	4.3	X	X	4.1	0.1	X	--
Machine Drive	--	2.4	X	34.9	14.2	47.8	30.3	--
Electro-Chemical Processes	--	32.2	--	--	--	--	--	--
Other Process Use	--	12.7	X	71.4	3.2	82.9	X	--
Direct Uses-Total Nonprocess	--	6.1	99.0	16.3	9.1	10.7	61.7	--
Facility HVAC (g)	--	8.0	99.0	26.5	9.7	27.6	61.7	--
Facility Lighting	--	5.4	--	--	--	--	--	--
Other Facility Support	--	7.6	X	13.9	13.1	69.0	X	--
Onsite Transportation	--	10.7	--	15.6	3.6	10.5	--	--
Conventional Electricity Generation	--	--	X	18.1	0.2	0.1	X	--
Other Nonprocess Use	--	14.8	X	48.6	0.1	65.4	X	--
End Use Not Reported	11.2	65.5	X	27.3	55.4	44.9	0.1	1.1

327120   Clay Building Material and Refractories

TOTAL FUEL CONSUMPTION	2.9	1.8	59.3	8.0	3.3	4.7	3.2	1.0
Indirect Uses-Boiler Fuel	--	22.1	X	X	4.1	X	X	--
Conventional Boiler Use	--	22.1	X	X	2.1	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	4.7	X	X	--
Direct Uses-Total Process	--	1.8	59.3	3.4	3.6	0.7	3.4	--
Process Heating	--	3.6	59.3	34.4	3.6	1.5	3.4	--
Process Cooling and Refrigeration	--	13.4	X	X	X	X	X	--
Machine Drive	--	1.9	X	7.9	0.1	2.2	X	--
Electro-Chemical Processes	--	34.7	--	--	--	--	--	--
Other Process Use	--	0.3	X	0.5	0.9	0.1	X	--
Direct Uses-Total Nonprocess	--	5.4	X	9.7	3.3	4.2	X	--
Facility HVAC (g)	--	8.6	X	22.1	3.9	9.5	X	--
Facility Lighting	--	4.9	--	--	--	--	--	--
Other Facility Support	--	2.4	X	X	8.3	43.5	X	--
Onsite Transportation	--	3.2	--	5.0	11.6	4.4	--	--
Conventional Electricity Generation	--	--	X	51.3	0.1	0.1	X	--
Other Nonprocess Use	--	86.0	X	40.8	0.1	X	X	--
End Use Not Reported	0.4	0.1	X	0.1	0.1	33.0	0.1	1.0

327211   Flat Glass

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	X	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	X	0.0	X	X	--
Conventional Boiler Use	--	0.0	X	X	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	X	X	X	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
Process Heating	--	0.0	X	X	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	X	0.0	X	X	--
Machine Drive	--	0.0	X	0.0	0.0	X	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	0.0	0.0	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	0.0	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	0.0	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	X	X	X	--
Other Nonprocess Use	--	X	X	0.0	X	X	X	--
End Use Not Reported	0.0	0.0	X	0.0	0.0	0.0	X	0.0

327212   Other Pressed and Blown Glass and Glassware

TOTAL FUEL CONSUMPTION	0.8	1.0	X	0.1	0.9	0.5	X	8.7
Indirect Uses-Boiler Fuel	--	0.1	X	0.1	0.1	X	X	--
Conventional Boiler Use	--	0.1	X	0.1	0.5	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	0.1	X	X	--
Direct Uses-Total Process	--	0.6	X	0.1	1.0	0.3	X	--
Process Heating	--	0.6	X	0.1	1.0	0.4	X	--
Process Cooling and Refrigeration	--	0.3	X	X	0.1	X	X	--
Machine Drive	--	1.4	X	0.1	0.1	0.1	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	4.2	X	0.2	4.1	0.5	X	--
Facility HVAC (g)	--	4.9	X	X	4.3	0.1	X	--
Facility Lighting	--	4.5	--	--	--	--	--	--
Other Facility Support	--	3.9	X	X	0.9	X	X	--
Onsite Transportation	--	0.3	--	0.3	0.1	0.6	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	X	X	0.1	X	0.1	X	--
End Use Not Reported	8.4	X	X	X	X	18.4	X	8.7

327213   Glass Containers

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	X	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	X	0.0	0.0	X	--
Conventional Boiler Use	--	0.0	X	X	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.0	0.0	X	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
Process Heating	--	0.0	X	0.0	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	X	0.0	X	X	--
Machine Drive	--	0.0	X	0.0	0.0	0.0	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	X	X	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	0.0	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	0.0	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	X	X	X	--
Other Nonprocess Use	--	X	X	0.0	X	X	X	--
End Use Not Reported	0.0	X	X	X	X	0.0	X	0.0

327215   Glass Products from Purchased Glass

TOTAL FUEL CONSUMPTION	6.7	1.8	79.8	3.2	13.7	11.7	81.2	1.3
Indirect Uses-Boiler Fuel	--	1.1	79.8	2.1	4.6	60.1	X	--
Conventional Boiler Use	--	1.1	X	X	13.7	0.1	X	--
CHP and/or Cogeneration Process	--	--	79.8	2.1	2.0	68.5	X	--
Direct Uses-Total Process	--	2.0	X	32.7	9.5	1.3	X	--
Process Heating	--	3.4	X	X	10.0	1.3	X	--
Process Cooling and Refrigeration	--	1.4	X	X	56.8	X	X	--
Machine Drive	--	1.5	X	33.6	2.2	4.9	X	--
Electro-Chemical Processes	--	7.0	--	--	--	--	--	--
Other Process Use	--	8.2	X	0.1	0.1	16.2	X	--
Direct Uses-Total Nonprocess	--	2.2	X	1.4	39.5	16.7	81.2	--
Facility HVAC (g)	--	2.4	X	X	38.2	29.9	81.2	--
Facility Lighting	--	2.0	--	--	--	--	--	--
Other Facility Support	--	4.2	X	X	66.7	45.7	X	--
Onsite Transportation	--	1.5	--	2.6	0.1	9.5	--	--
Conventional Electricity Generation	--	--	X	3.9	7.9	0.1	X	--
Other Nonprocess Use	--	11.7	X	0.1	0.1	0.1	X	--
End Use Not Reported	0.6	0.3	X	1.3	1.5	2.9	X	1.3

327310   Cements

TOTAL FUEL CONSUMPTION	0.7	0.9	0.1	6.4	2.1	1.2	0.5	1.1
Indirect Uses-Boiler Fuel	--	18.6	X	X	0.1	X	0.1	--
Conventional Boiler Use	--	18.6	X	X	X	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.1	X	0.1	--
Direct Uses-Total Process	--	0.9	0.1	14.5	2.1	0.1	0.5	--
Process Heating	--	1.8	0.1	3.2	2.1	0.1	0.5	--

Process Cooling and Refrigeration	--	0.1	X	X	0.1	0.1	X	--
Machine Drive	--	1.1	X	32.3	16.7	0.1	30.3	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	X	0.1	X	--
Direct Uses-Total Nonprocess	--	1.2	X	0.8	2.2	1.7	X	--
Facility HVAC (g)	--	0.6	X	0.1	2.5	0.1	X	--
Facility Lighting	--	2.9	--	--	--	--	--	--
Other Facility Support	--	1.3	X	X	0.1	0.1	X	--
Onsite Transportation	--	1.7	--	0.8	X	4.4	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	0.5	X	0.1	X	0.1	X	--
End Use Not Reported	1.1	0.1	X	0.1	0.1	0.1	X	1.1

327410 Lime

TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	X	X	X	X	--
Conventional Boiler Use	--	0.0	X	X	X	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	X	X	X	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	0.0	--
Process Heating	--	0.0	X	0.0	0.0	0.0	0.0	--
Process Cooling and Refrigeration	--	0.0	X	X	X	X	X	--
Machine Drive	--	0.0	X	0.0	X	0.0	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	X	0.0	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	X	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	X	0.0	X	X	--
Onsite Transportation	--	0.0	--	0.0	X	0.0	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	X	X	X	X	X	X	--
End Use Not Reported	0.0	0.0	X	0.0	X	0.0	X	0.0

327420 Gypsum

TOTAL FUEL CONSUMPTION	0.2	1.9	X	0.1	0.1	1.4	X	0.1
Indirect Uses-Boiler Fuel	--	0.1	X	0.1	0.1	X	X	--
Conventional Boiler Use	--	0.1	X	0.1	0.1	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.1	X	X	--
Direct Uses-Total Process	--	2.1	X	0.1	0.1	X	X	--
Process Heating	--	0.1	X	0.1	0.1	X	X	--
Process Cooling and Refrigeration	--	0.1	X	X	X	X	X	--
Machine Drive	--	2.4	X	0.1	0.1	X	X	--
Electro-Chemical Processes	--	X	--	--	--	--	--	--
Other Process Use	--	X	X	0.1	X	X	X	--
Direct Uses-Total Nonprocess	--	1.1	X	0.1	0.1	1.4	X	--
Facility HVAC (g)	--	1.5	X	0.1	0.1	0.1	X	--
Facility Lighting	--	1.5	--	--	--	--	--	--
Other Facility Support	--	0.1	X	0.1	0.1	0.1	X	--
Onsite Transportation	--	0.1	--	0.1	X	1.4	--	--
Conventional Electricity Generation	--	--	X	X	0.1	X	X	--
Other Nonprocess Use	--	X	X	X	X	X	X	--
End Use Not Reported	0.1	X	X	X	X	X	X	0.1

327993 Mineral Wool

TOTAL FUEL CONSUMPTION	1.1	0.6	X	8.0	0.8	3.8	X	19.5
Indirect Uses-Boiler Fuel	--	0.9	X	0.0	0.1	X	X	--
Conventional Boiler Use	--	0.9	X	X	0.1	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.0	0.1	X	X	--
Direct Uses-Total Process	--	0.6	X	0.1	0.6	0.1	X	--
Process Heating	--	0.1	X	X	0.6	0.1	X	--
Process Cooling and Refrigeration	--	1.1	X	X	0.0	0.1	X	--
Machine Drive	--	1.3	X	0.1	4.2	0.1	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	2.1	X	8.4	4.3	5.2	X	--
Facility HVAC (g)	--	3.4	X	0.1	4.5	0.0	X	--
Facility Lighting	--	1.3	--	--	--	--	--	--
Other Facility Support	--	1.8	X	0.1	2.9	0.1	X	--

Onsite Transportation	--	0.1	--	22.1	0.1	5.2	--	--
Conventional Electricity Generation	--	--	X	0.1	X	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.1	57.4	X	--
End Use Not Reported	13.8	0.1	X	X	0.1	0.1	X	19.5

331 PRIMARY METALS

TOTAL FUEL CONSUMPTION	0.5	1.2	0.1	0.8	0.6	2.5	0.1	0.2
Indirect Uses-Boiler Fuel	--	3.2	0.1	0.1	0.8	12.6	X	--
Conventional Boiler Use	--	3.2	0.1	0.1	2.7	0.1	X	--
CHP and/or Cogeneration Process	--	--	0.1	0.1	0.2	14.5	X	--
Direct Uses-Total Process	--	1.2	0.1	0.4	0.7	2.9	0.1	--
Process Heating	--	1.6	0.1	0.7	0.7	3.4	0.1	--
Process Cooling and Refrigeration	--	0.9	X	13.5	0.5	0.1	X	--
Machine Drive	--	3.4	0.1	0.4	12.5	2.8	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	1.2	X	1.9	0.1	8.1	0.1	--
Direct Uses-Total Nonprocess	--	1.8	0.1	1.0	0.9	3.9	X	--
Facility HVAC (g)	--	1.9	0.1	10.6	1.0	12.4	X	--
Facility Lighting	--	2.1	--	--	--	--	--	--
Other Facility Support	--	2.4	X	11.2	0.6	2.9	X	--
Onsite Transportation	--	1.1	--	1.0	0.3	4.2	--	--
Conventional Electricity Generation	--	--	X	1.3	53.6	15.2	X	--
Other Nonprocess Use	--	2.6	X	0.1	0.2	8.2	X	--
End Use Not Reported	0.2	0.4	0.1	0.1	0.5	12.0	X	0.2

331110 Iron and Steel Mills and Ferroalloys

TOTAL FUEL CONSUMPTION	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.1
Indirect Uses-Boiler Fuel	--	1.8	0.1	X	1.2	0.1	X	--
Conventional Boiler Use	--	1.8	0.1	X	3.7	X	X	--
CHP and/or Cogeneration Process	--	--	0.1	X	0.1	0.1	X	--
Direct Uses-Total Process	--	0.2	X	0.1	0.2	0.1	0.1	--
Process Heating	--	0.1	X	0.1	0.3	0.1	0.1	--
Process Cooling and Refrigeration	--	0.1	X	X	0.1	0.1	X	--
Machine Drive	--	0.4	X	0.1	0.1	0.1	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	0.1	0.1	0.1	--
Direct Uses-Total Nonprocess	--	1.4	X	0.1	0.3	0.5	X	--
Facility HVAC (g)	--	0.9	X	0.1	0.4	0.1	X	--
Facility Lighting	--	2.2	--	--	--	--	--	--
Other Facility Support	--	0.5	X	X	0.1	0.1	X	--
Onsite Transportation	--	0.1	--	0.1	0.1	0.5	--	--
Conventional Electricity Generation	--	--	X	0.1	X	0.1	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.1	0.1	X	--
End Use Not Reported	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1

3312 Steel Products from Purchased Steel

TOTAL FUEL CONSUMPTION	10.1	18.7	X	6.2	5.8	13.8	X	14.4
Indirect Uses-Boiler Fuel	--	3.5	X	0.1	5.2	0.1	X	--
Conventional Boiler Use	--	3.5	X	X	7.5	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	7.5	0.1	X	--
Direct Uses-Total Process	--	19.5	X	1.0	7.7	4.9	X	--
Process Heating	--	1.5	X	0.1	2.0	2.9	X	--
Process Cooling and Refrigeration	--	2.2	X	97.5	31.6	X	X	--
Machine Drive	--	29.3	X	0.1	85.8	10.3	X	--
Electro-Chemical Processes	--	36.1	--	--	--	--	--	--
Other Process Use	--	8.4	X	19.3	1.2	2.6	X	--
Direct Uses-Total Nonprocess	--	13.9	X	6.8	8.2	9.9	X	--
Facility HVAC (g)	--	11.1	X	46.9	8.6	67.9	X	--
Facility Lighting	--	14.8	--	--	--	--	--	--
Other Facility Support	--	26.3	X	X	6.4	3.0	X	--
Onsite Transportation	--	9.5	--	6.6	0.1	8.7	--	--
Conventional Electricity Generation	--	--	X	66.3	0.1	97.5	X	--
Other Nonprocess Use	--	73.6	X	X	0.1	0.5	X	--
End Use Not Reported	13.3	0.1	X	0.1	0.1	65.4	X	14.4

3313 Alumina and Aluminum

TOTAL FUEL CONSUMPTION	0.3	0.1	0.1	0.1	0.4	1.3	X	0.1
Indirect Uses-Boiler Fuel	--	1.1	0.1	X	1.2	2.8	X	--
Conventional Boiler Use	--	1.1	0.1	X	12.4	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.1	33.9	X	--
Direct Uses-Total Process	--	0.1	0.1	0.1	0.2	0.8	X	--
Process Heating	--	0.4	0.1	0.1	0.2	1.4	X	--
Process Cooling and Refrigeration	--	4.3	X	0.1	16.0	X	X	--
Machine Drive	--	0.3	X	0.1	0.4	1.5	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	1.4	0.1	0.1	1.2	2.6	X	--
Facility HVAC (g)	--	1.4	0.1	0.1	0.4	5.2	X	--
Facility Lighting	--	1.5	--	--	--	--	--	--
Other Facility Support	--	1.7	X	X	0.2	13.6	X	--
Onsite Transportation	--	7.3	--	0.1	0.2	2.7	--	--
Conventional Electricity Generation	--	--	X	0.1	83.1	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	X	0.1	X	--
End Use Not Reported	0.2	4.6	X	0.1	0.1	1.1	X	0.1

331314 Secondary Smelting and Alloying of Aluminum

TOTAL FUEL CONSUMPTION	0.1	0.1	X	0.1	0.1	0.1	X	0.1
Indirect Uses-Boiler Fuel	--	0.1	X	X	0.1	X	X	--
Conventional Boiler Use	--	0.1	X	X	0.1	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.1	X	X	--
Direct Uses-Total Process	--	0.1	X	0.1	0.1	0.1	X	--
Process Heating	--	0.1	X	0.1	0.1	0.0	X	--
Process Cooling and Refrigeration	--	0.1	X	X	X	X	X	--
Machine Drive	--	0.1	X	0.1	0.1	0.1	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	X	0.1	X	--
Direct Uses-Total Nonprocess	--	0.1	X	0.1	0.1	0.1	X	--
Facility HVAC (g)	--	0.1	X	0.1	0.1	0.1	X	--
Facility Lighting	--	0.1	--	--	--	--	--	--
Other Facility Support	--	0.1	X	X	0.1	X	X	--
Onsite Transportation	--	0.1	--	0.1	X	0.1	--	--
Conventional Electricity Generation	--	--	X	0.1	0.1	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	X	0.1	X	--
End Use Not Reported	0.1	0.1	X	X	0.1	0.1	X	0.1

331315 Aluminum Sheet, Plate and Foils

TOTAL FUEL CONSUMPTION	1.0	1.1	0.1	0.1	1.0	5.4	X	0.1
Indirect Uses-Boiler Fuel	--	0.1	X	X	14.5	X	X	--
Conventional Boiler Use	--	0.1	X	X	14.8	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.1	X	X	--
Direct Uses-Total Process	--	0.7	0.1	0.1	0.4	0.1	X	--
Process Heating	--	0.5	0.1	X	0.4	0.1	X	--
Process Cooling and Refrigeration	--	12.5	X	0.1	0.1	X	X	--
Machine Drive	--	0.5	X	0.1	0.1	X	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	X	0.1	0.1	X	--
Direct Uses-Total Nonprocess	--	4.0	X	0.1	0.1	6.2	X	--
Facility HVAC (g)	--	3.6	X	X	0.1	X	X	--
Facility Lighting	--	4.3	--	--	--	--	--	--
Other Facility Support	--	4.1	X	X	0.1	0.1	X	--
Onsite Transportation	--	22.5	--	0.1	0.1	6.2	--	--
Conventional Electricity Generation	--	--	X	X	X	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	X	X	X	--
End Use Not Reported	0.1	X	X	X	X	X	X	0.1

331318 Other Aluminum Rolling, Drawing and Extruding

TOTAL FUEL CONSUMPTION	0.9	0.8	0.0	0.3	1.2	2.4	X	5.1
Indirect Uses-Boiler Fuel	--	1.8	X	X	6.3	2.8	X	--
Conventional Boiler Use	--	1.8	X	X	10.6	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	X	8.0	33.9	X	--
Direct Uses-Total Process	--	0.9	X	0.1	0.8	1.2	X	--
Process Heating	--	1.2	X	X	0.7	2.6	X	--
Process Cooling and Refrigeration	--	1.5	X	X	16.9	X	X	--
Machine Drive	--	1.1	X	0.1	6.3	1.6	X	--

Electro-Chemical Processes	--	1.9	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.0	0.0	0.1	X	--
Direct Uses-Total Nonprocess	--	0.9	0.0	0.3	7.5	3.7	X	--
Facility HVAC (g)	--	0.8	0.0	0.1	2.1	8.0	X	--
Facility Lighting	--	1.2	--	--	--	--	--	--
Other Facility Support	--	2.2	X	X	5.7	33.9	X	--
Onsite Transportation	--	3.7	--	0.4	0.9	3.8	--	--
Conventional Electricity Generation	--	--	X	0.1	83.4	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	X	X	X	--
End Use Not Reported	2.7	4.8	X	0.1	0.1	23.6	X	5.1

3314   Nonferrous Metals, except Aluminum

TOTAL FUEL CONSUMPTION	2.2	2.3	X	3.2	3.8	4.1	0.1	4.8
Indirect Uses-Boiler Fuel	--	1.6	X	0.1	0.7	0.1	X	--
Conventional Boiler Use	--	1.6	X	0.1	1.2	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	0.8	0.1	X	--
Direct Uses-Total Process	--	2.3	X	1.9	5.3	0.3	0.1	--
Process Heating	--	1.9	X	0.1	5.4	0.2	X	--
Process Cooling and Refrigeration	--	2.4	X	X	X	X	X	--
Machine Drive	--	7.7	X	1.2	2.4	0.1	X	--
Electro-Chemical Processes	--	0.4	--	--	--	--	--	--
Other Process Use	--	2.4	X	60.0	9.5	30.0	0.1	--
Direct Uses-Total Nonprocess	--	2.9	X	5.1	3.8	14.2	X	--
Facility HVAC (g)	--	2.3	X	13.2	4.1	23.9	X	--
Facility Lighting	--	4.2	--	--	--	--	--	--
Other Facility Support	--	9.1	X	7.5	5.3	89.0	X	--
Onsite Transportation	--	12.7	--	6.3	0.1	16.0	--	--
Conventional Electricity Generation	--	--	X	0.4	1.7	X	X	--
Other Nonprocess Use	--	3.1	X	0.1	5.7	24.8	X	--
End Use Not Reported	4.7	0.1	X	X	X	20.5	X	4.8

331410   Nonferrous Metal (except Aluminum) Smelting and Refining

TOTAL FUEL CONSUMPTION	0.7	0.7	X	0.1	0.9	4.1	0.0	0.1
Indirect Uses-Boiler Fuel	--	0.0	X	0.0	0.1	X	X	--
Conventional Boiler Use	--	0.0	X	0.1	0.0	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.0	0.1	X	X	--
Direct Uses-Total Process	--	0.7	X	0.1	0.8	11.8	0.0	--
Process Heating	--	0.5	X	0.0	0.5	0.1	X	--
Process Cooling and Refrigeration	--	0.8	X	X	X	X	X	--
Machine Drive	--	0.8	X	0.0	0.1	X	X	--
Electro-Chemical Processes	--	0.2	--	--	--	--	--	--
Other Process Use	--	2.7	X	0.0	11.9	50.8	0.0	--
Direct Uses-Total Nonprocess	--	1.5	X	0.1	8.0	0.1	X	--
Facility HVAC (g)	--	2.7	X	X	9.6	0.0	X	--
Facility Lighting	--	1.3	--	--	--	--	--	--
Other Facility Support	--	1.5	X	X	0.0	0.1	X	--
Onsite Transportation	--	0.1	--	0.0	0.0	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	0.0	X	X	--
Other Nonprocess Use	--	0.0	X	0.0	X	0.1	X	--
End Use Not Reported	0.0	0.0	X	X	X	0.0	X	0.1

3315   Foundries

TOTAL FUEL CONSUMPTION	3.7	6.8	0.1	4.9	4.4	4.9	0.1	5.7
Indirect Uses-Boiler Fuel	--	15.8	X	0.1	7.3	13.7	X	--
Conventional Boiler Use	--	15.8	X	0.1	3.2	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	15.2	15.1	X	--
Direct Uses-Total Process	--	7.7	0.1	6.6	5.8	9.3	0.1	--
Process Heating	--	12.0	X	13.3	6.1	12.5	0.1	--
Process Cooling and Refrigeration	--	5.1	X	X	43.8	0.1	X	--
Machine Drive	--	4.0	0.1	6.5	8.9	4.5	X	--
Electro-Chemical Processes	--	5.4	--	--	--	--	--	--
Other Process Use	--	5.4	X	2.5	4.1	13.7	X	--
Direct Uses-Total Nonprocess	--	4.6	0.1	5.4	1.6	2.8	X	--
Facility HVAC (g)	--	5.2	0.1	17.6	1.7	2.7	X	--
Facility Lighting	--	5.0	--	--	--	--	--	--
Other Facility Support	--	6.1	X	36.5	5.5	3.9	X	--
Onsite Transportation	--	0.9	--	5.7	6.0	3.5	--	--
Conventional Electricity Generation	--	--	X	18.3	40.8	0.1	X	--

Other Nonprocess Use	--	4.3	X	0.9	1.0	14.0	X	--
End Use Not Reported	5.5	8.2	X	79.6	19.7	14.7	X	5.7

331511   Iron Foundries

TOTAL FUEL CONSUMPTION	2.1	2.5	0.1	1.9	1.4	3.7	0.1	5.8
Indirect Uses-Boiler Fuel	--	9.1	X	0.1	11.2	82.1	X	--
Conventional Boiler Use	--	9.1	X	X	3.7	0.0	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	12.7	89.0	X	--
Direct Uses-Total Process	--	1.9	X	7.1	1.5	3.5	0.1	--
Process Heating	--	1.8	X	5.4	1.6	7.7	0.1	--
Process Cooling and Refrigeration	--	7.0	X	X	X	X	X	--
Machine Drive	--	2.8	X	13.1	0.1	4.1	X	--
Electro-Chemical Processes	--	22.7	--	--	--	--	--	--
Other Process Use	--	7.7	X	X	5.2	0.1	X	--
Direct Uses-Total Nonprocess	--	5.6	0.1	1.8	1.9	3.9	X	--
Facility HVAC (g)	--	4.6	0.1	18.5	2.1	3.1	X	--
Facility Lighting	--	9.4	--	--	--	--	--	--
Other Facility Support	--	2.0	X	50.7	2.7	10.9	X	--
Onsite Transportation	--	1.7	--	1.8	X	5.9	--	--
Conventional Electricity Generation	--	--	X	0.1	X	0.1	X	--
Other Nonprocess Use	--	8.3	X	5.0	0.1	0.1	X	--
End Use Not Reported	5.7	0.1	X	79.6	79.4	52.2	X	5.8

331523   Nonferrous Metal Die-Casting Foundries

TOTAL FUEL CONSUMPTION	1.2	1.2	X	3.6	1.4	9.5	X	12.5
Indirect Uses-Boiler Fuel	--	21.0	X	X	13.6	X	X	--
Conventional Boiler Use	--	21.0	X	X	0.1	X	X	--
CHP and/or Cogeneration Process	--	--	X	X	56.6	X	X	--
Direct Uses-Total Process	--	1.1	X	3.3	1.4	15.5	X	--
Process Heating	--	2.0	X	X	1.4	18.5	X	--
Process Cooling and Refrigeration	--	1.2	X	X	92.1	X	X	--
Machine Drive	--	1.2	X	3.5	62.8	1.6	X	--
Electro-Chemical Processes	--	23.2	--	--	--	--	--	--
Other Process Use	--	0.4	X	0.1	3.2	0.2	X	--
Direct Uses-Total Nonprocess	--	3.7	X	3.9	3.9	4.7	X	--
Facility HVAC (g)	--	2.5	X	0.1	3.3	14.4	X	--
Facility Lighting	--	2.5	--	--	--	--	--	--
Other Facility Support	--	15.7	X	0.1	13.6	34.2	X	--
Onsite Transportation	--	2.4	--	6.7	32.2	4.8	--	--
Conventional Electricity Generation	--	--	X	2.7	X	X	X	--
Other Nonprocess Use	--	0.1	X	0.1	0.1	X	X	--
End Use Not Reported	1.8	1.8	X	X	X	1.3	X	12.5

331524   Aluminum Foundries, except Die-Casting

TOTAL FUEL CONSUMPTION	9.8	3.9	0.1	54.9	11.7	4.4	X	4.3
Indirect Uses-Boiler Fuel	--	5.2	X	0.1	6.5	0.1	X	--
Conventional Boiler Use	--	5.2	X	0.1	3.9	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	18.3	0.0	X	--
Direct Uses-Total Process	--	4.7	0.1	12.5	13.4	1.9	X	--
Process Heating	--	2.0	X	13.0	13.8	1.4	X	--
Process Cooling and Refrigeration	--	0.6	X	X	8.5	X	X	--
Machine Drive	--	8.8	0.1	63.9	2.2	5.0	X	--
Electro-Chemical Processes	--	0.1	--	--	--	--	--	--
Other Process Use	--	0.1	X	0.1	1.3	27.9	X	--
Direct Uses-Total Nonprocess	--	1.8	X	75.5	1.4	10.8	X	--
Facility HVAC (g)	--	1.4	X	0.1	1.5	1.9	X	--
Facility Lighting	--	2.1	--	--	--	--	--	--
Other Facility Support	--	3.5	X	X	2.0	0.1	X	--
Onsite Transportation	--	5.0	--	75.9	18.8	15.6	--	--
Conventional Electricity Generation	--	--	X	X	0.1	X	X	--
Other Nonprocess Use	--	40.9	X	X	X	1.2	X	--
End Use Not Reported	1.6	4.8	X	X	0.1	6.4	X	4.3

332   FABRICATED METAL PRODUCTS

TOTAL FUEL CONSUMPTION	9.0	8.1	X	29.7	12.0	19.6	X	33.0
Indirect Uses-Boiler Fuel	--	54.8	X	X	34.4	72.4	X	--

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
Conventional Boiler Use	--	54.8	X	X	53.4	78.0	X	--
CHP and/or Cogeneration Process	--	--	X	X	41.3	99.5	X	--
Direct Uses-Total Process	--	8.6	X	64.9	14.9	38.6	X	--
Process Heating	--	15.8	X	99.5	15.6	52.9	X	--
Process Cooling and Refrigeration	--	20.4	X	X	88.2	X	X	--
Machine Drive	--	10.1	X	54.4	51.6	48.1	X	--
Electro-Chemical Processes	--	37.7	--	--	--	--	--	--
Other Process Use	--	36.0	X	74.3	61.5	73.6	X	--
Direct Uses-Total Nonprocess	--	10.6	X	30.4	11.5	22.1	X	--
Facility HVAC (g)	--	13.1	X	57.7	11.8	53.3	X	--
Facility Lighting	--	10.6	--	--	--	--	--	--
Other Facility Support	--	28.0	X	97.6	31.6	97.7	X	--
Onsite Transportation	--	26.4	--	35.1	67.4	20.2	--	--
Conventional Electricity Generation	--	--	X	64.0	92.1	X	X	--
Other Nonprocess Use	--	44.0	X	67.7	87.9	96.6	X	--
End Use Not Reported	48.8	71.1	X	X	54.1	64.6	X	33.0

333   MACHINERY

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	9.2	8.7	99.0	33.6	12.3	29.8	87.6	44.1
Indirect Uses-Boiler Fuel	--	24.0	X	0.1	28.3	98.7	87.6	--
Conventional Boiler Use	--	24.0	X	0.1	25.6	X	X	--
CHP and/or Cogeneration Process	--	--	X	0.1	38.4	98.7	87.6	--
Direct Uses-Total Process	--	9.5	X	39.8	21.7	39.5	X	--
Process Heating	--	19.6	X	X	23.5	77.5	X	--
Process Cooling and Refrigeration	--	20.9	X	99.0	61.3	99.0	X	--
Machine Drive	--	10.1	X	64.7	42.3	54.4	X	--
Electro-Chemical Processes	--	42.6	--	--	--	--	--	--
Other Process Use	--	27.3	X	40.1	65.6	52.7	X	--
Direct Uses-Total Nonprocess	--	10.3	99.0	62.7	11.7	31.0	X	--
Facility HVAC (g)	--	12.8	99.0	56.1	11.9	62.2	X	--
Facility Lighting	--	10.1	--	--	--	--	--	--
Other Facility Support	--	14.1	X	99.0	29.0	52.1	X	--
Onsite Transportation	--	21.4	--	37.9	73.5	18.0	--	--
Conventional Electricity Generation	--	--	X	16.4	98.8	99.0	X	--
Other Nonprocess Use	--	56.4	99.0	75.7	67.3	26.5	X	--
End Use Not Reported	41.7	69.9	X	99.0	73.8	50.0	X	44.1

334   COMPUTER AND ELECTRONIC PRODUCTS

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	6.1	4.2	0.1	45.2	12.5	29.3	X	71.1
Indirect Uses-Boiler Fuel	--	9.6	X	12.0	7.7	0.1	X	--
Conventional Boiler Use	--	9.6	X	12.0	9.0	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	X	15.0	0.1	X	--
Direct Uses-Total Process	--	5.1	X	64.4	38.5	37.6	X	--
Process Heating	--	14.1	X	90.4	49.9	92.8	X	--
Process Cooling and Refrigeration	--	5.3	X	X	30.2	X	X	--
Machine Drive	--	6.0	X	30.5	58.3	43.8	X	--
Electro-Chemical Processes	--	10.1	--	--	--	--	--	--
Other Process Use	--	6.2	X	38.8	13.1	92.6	X	--
Direct Uses-Total Nonprocess	--	4.6	0.1	50.4	7.9	31.7	X	--
Facility HVAC (g)	--	4.4	0.1	57.5	8.4	45.8	X	--
Facility Lighting	--	6.6	--	--	--	--	--	--
Other Facility Support	--	7.8	X	84.9	12.4	23.0	X	--
Onsite Transportation	--	30.5	--	44.7	89.3	44.4	--	--
Conventional Electricity Generation	--	--	X	71.6	54.6	X	X	--
Other Nonprocess Use	--	6.1	X	9.2	13.8	0.1	X	--
End Use Not Reported	32.9	25.2	X	X	32.2	81.3	X	71.1

334413   Semiconductors and Related Devices

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	1.3	1.3	0.1	0.9	1.5	4.8	X	0.1
Indirect Uses-Boiler Fuel	--	0.5	X	0.1	0.1	0.1	X	--
Conventional Boiler Use	--	0.5	X	0.1	0.1	0.1	X	--
CHP and/or Cogeneration Process	--	--	X	X	0.2	0.1	X	--
Direct Uses-Total Process	--	1.6	X	2.2	1.6	0.1	X	--
Process Heating	--	1.8	X	X	0.1	X	X	--
Process Cooling and Refrigeration	--	0.7	X	X	0.1	X	X	--
Machine Drive	--	3.7	X	0.1	71.7	0.1	X	--
Electro-Chemical Processes	--	1.2	--	--	--	--	--	--
Other Process Use	--	1.9	X	2.4	2.0	X	X	--

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
Direct Uses-Total Nonprocess	--	1.6	0.1	1.1	3.4	5.8	X	--
Facility HVAC (g)	--	1.5	0.1	0.1	3.8	12.8	X	--
Facility Lighting	--	2.8	--	--	--	--	--	--
Other Facility Support	--	0.6	X	0.1	0.5	0.1	X	--
Onsite Transportation	--	0.1	--	0.1	X	1.1	--	--
Conventional Electricity Generation	--	--	X	6.9	1.9	X	X	--
Other Nonprocess Use	--	2.0	X	0.1	3.7	0.1	X	--
End Use Not Reported	14.3	13.9	X	X	32.2	X	X	0.1

335   ELEC. EQUIP., APPLIANCES, COMPONENTS

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	7.3	8.5	X	33.6	9.7	50.0	X	29.5
Indirect Uses-Boiler Fuel	--	44.2	X	X	28.2	89.5	X	--
Conventional Boiler Use	--	44.2	X	X	31.2	89.5	X	--
CHP and/or Cogeneration Process	--	--	X	X	50.9	X	X	--
Direct Uses-Total Process	--	9.1	X	94.7	11.7	88.9	X	--
Process Heating	--	12.5	X	82.7	12.1	60.1	X	--
Process Cooling and Refrigeration	--	21.0	X	X	36.8	X	X	--
Machine Drive	--	11.4	X	95.7	81.0	91.4	X	--
Electro-Chemical Processes	--	21.5	--	--	--	--	--	--
Other Process Use	--	36.9	X	X	46.0	X	X	--
Direct Uses-Total Nonprocess	--	10.9	X	13.9	12.7	27.8	X	--
Facility HVAC (g)	--	12.6	X	81.4	12.4	77.5	X	--
Facility Lighting	--	12.0	--	--	--	--	--	--
Other Facility Support	--	14.6	X	73.7	24.1	76.3	X	--
Onsite Transportation	--	26.4	--	1.8	X	27.0	--	--
Conventional Electricity Generation	--	--	X	26.3	X	98.9	X	--
Other Nonprocess Use	--	83.1	X	39.7	91.4	91.9	X	--
End Use Not Reported	28.6	98.9	X	45.9	X	72.9	X	29.5

336   TRANSPORTATION EQUIPMENT

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	4.7	5.1	0.1	34.0	5.5	16.3	0.1	12.2
Indirect Uses-Boiler Fuel	--	19.9	0.1	8.9	7.0	68.3	0.1	--
Conventional Boiler Use	--	19.9	0.1	9.0	7.2	68.3	0.1	--
CHP and/or Cogeneration Process	--	--	X	0.1	16.7	X	0.1	--
Direct Uses-Total Process	--	5.8	X	58.4	7.4	29.4	X	--
Process Heating	--	12.6	X	18.2	7.8	30.1	X	--
Process Cooling and Refrigeration	--	7.1	X	X	7.7	45.2	X	--
Machine Drive	--	7.1	X	59.5	66.2	43.4	X	--
Electro-Chemical Processes	--	30.1	--	--	--	--	--	--
Other Process Use	--	19.3	X	0.7	22.4	62.9	X	--
Direct Uses-Total Nonprocess	--	6.0	X	39.8	8.7	18.1	X	--
Facility HVAC (g)	--	6.8	X	54.2	8.4	22.7	X	--
Facility Lighting	--	5.7	--	--	--	--	--	--
Other Facility Support	--	10.5	X	58.5	13.6	35.2	X	--
Onsite Transportation	--	12.9	--	43.5	11.6	20.7	--	--
Conventional Electricity Generation	--	--	X	52.0	55.7	0.1	X	--
Other Nonprocess Use	--	42.0	X	75.8	88.6	25.5	X	--
End Use Not Reported	15.3	43.2	X	86.4	44.8	64.0	X	12.2

336111   Automobiles

	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel	--	0.0	X	0.0	0.0	0.0	0.0	--
Conventional Boiler Use	--	0.0	X	X	0.0	0.0	0.0	--
CHP and/or Cogeneration Process	--	--	X	0.0	0.0	X	X	--
Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
Process Heating	--	0.0	X	X	0.0	0.0	X	--
Process Cooling and Refrigeration	--	0.0	X	X	X	X	X	--
Machine Drive	--	0.0	X	0.0	X	X	X	--
Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
Other Process Use	--	0.0	X	0.0	0.0	X	X	--
Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
Facility HVAC (g)	--	0.0	X	0.0	0.0	0.0	X	--
Facility Lighting	--	0.0	--	--	--	--	--	--
Other Facility Support	--	0.0	X	0.0	0.0	0.0	X	--
Onsite Transportation	--	0.0	--	0.0	0.0	0.0	--	--
Conventional Electricity Generation	--	--	X	0.0	0.0	X	X	--
Other Nonprocess Use	--	0.0	X	0.0	X	X	X	--
End Use Not Reported	0.0	0.0	X	X	0.0	X	X	0.0

Code	Description								
336112	**Light Trucks and Utility Vehicles**								
	TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
	Indirect Uses-Boiler Fuel	--	0.0	X	X	0.0	X	0.0	--
	Conventional Boiler Use	--	0.0	X	X	0.0	X	0.0	--
	CHP and/or Cogeneration Process	--	--	X	X	0.0	X	X	--
	Direct Uses-Total Process	--	0.0	X	0.0	0.0	0.0	X	--
	Process Heating	--	0.0	X	X	0.0	X	X	--
	Process Cooling and Refrigeration	--	0.0	X	X	0.0	X	X	--
	Machine Drive	--	0.0	X	0.0	0.0	X	X	--
	Electro-Chemical Processes	--	0.0	--	--	--	--	--	--
	Other Process Use	--	0.0	X	0.0	0.0	0.0	X	--
	Direct Uses-Total Nonprocess	--	0.0	X	0.0	0.0	0.0	X	--
	Facility HVAC (g)	--	0.0	X	X	0.0	0.0	X	--
	Facility Lighting	--	0.0	--	--	--	--	--	--
	Other Facility Support	--	0.0	X	0.0	0.0	X	X	--
	Onsite Transportation	--	0.0	--	0.0	0.0	0.0	--	--
	Conventional Electricity Generation	--	--	X	0.0	X	X	X	--
	Other Nonprocess Use	--	0.0	X	0.0	X	0.0	X	--
	End Use Not Reported	0.0	X	X	0.0	X	X	X	0.0
3364	**Aerospace Products**								
	TOTAL FUEL CONSUMPTION	7.3	6.8	0.1	68.1	6.4	14.3	X	19.5
	Indirect Uses-Boiler Fuel	--	14.9	0.1	0.1	6.8	0.1	X	--
	Conventional Boiler Use	--	14.9	0.1	0.1	1.6	0.1	X	--
	CHP and/or Cogeneration Process	--	--	X	0.1	20.8	X	X	--
	Direct Uses-Total Process	--	6.1	X	92.8	6.3	27.1	X	--
	Process Heating	--	6.6	X	0.1	7.6	29.0	X	--
	Process Cooling and Refrigeration	--	4.0	X	X	9.9	45.2	X	--
	Machine Drive	--	6.1	X	93.3	9.4	67.9	X	--
	Electro-Chemical Processes	--	24.3	--	--	--	--	--	--
	Other Process Use	--	31.5	X	4.6	0.8	3.3	X	--
	Direct Uses-Total Nonprocess	--	8.0	X	77.2	12.8	15.8	X	--
	Facility HVAC (g)	--	7.2	X	6.2	13.7	34.6	X	--
	Facility Lighting	--	10.1	--	--	--	--	--	--
	Other Facility Support	--	8.7	X	66.2	10.3	1.6	X	--
	Onsite Transportation	--	7.7	--	86.4	8.7	6.8	--	--
	Conventional Electricity Generation	--	--	X	49.0	65.0	0.1	X	--
	Other Nonprocess Use	--	57.4	X	2.9	78.9	0.1	X	--
	End Use Not Reported	16.0	0.1	X	0.1	0.1	5.8	X	19.5
336411	**Aircraft**								
	TOTAL FUEL CONSUMPTION	19.7	19.0	0.1	84.4	14.0	3.2	X	40.7
	Indirect Uses-Boiler Fuel	--	28.6	0.1	0.1	0.2	0.1	X	--
	Conventional Boiler Use	--	28.6	0.1	0.1	0.2	0.1	X	--
	CHP and/or Cogeneration Process	--	--	X	X	0.1	X	X	--
	Direct Uses-Total Process	--	22.4	X	94.7	1.6	5.0	X	--
	Process Heating	--	13.5	X	0.1	1.9	0.1	X	--
	Process Cooling and Refrigeration	--	9.3	X	X	0.1	45.2	X	--
	Machine Drive	--	16.8	X	94.8	1.1	0.1	X	--
	Electro-Chemical Processes	--	2.8	--	--	--	--	--	--
	Other Process Use	--	88.9	X	X	25.5	X	X	--
	Direct Uses-Total Nonprocess	--	18.3	X	89.9	26.6	4.4	X	--
	Facility HVAC (g)	--	17.6	X	0.1	28.3	18.4	X	--
	Facility Lighting	--	23.0	--	--	--	--	--	--
	Other Facility Support	--	16.4	X	X	16.9	0.1	X	--
	Onsite Transportation	--	21.4	--	90.5	12.1	2.9	--	--
	Conventional Electricity Generation	--	--	X	X	0.1	X	X	--
	Other Nonprocess Use	--	63.8	X	35.7	87.3	X	X	--
	End Use Not Reported	7.0	0.1	X	X	0.1	0.1	X	40.7
337	**FURNITURE AND RELATED PRODUCTS**								
	TOTAL FUEL CONSUMPTION	9.1	8.3	X	54.6	13.2	27.2	4.4	40.2
	Indirect Uses-Boiler Fuel	--	30.7	X	99.0	50.1	96.4	0.1	--
	Conventional Boiler Use	--	30.7	X	X	46.4	96.4	0.1	--
	CHP and/or Cogeneration Process	--	--	X	99.0	58.1	96.4	X	--

Direct Uses-Total Process	--	9.5	X	95.7	18.4	68.7	77.3	--
Process Heating	--	16.3	X	95.7	18.5	95.3	77.3	--
Process Cooling and Refrigeration	--	22.4	X	X	70.7	96.4	X	--
Machine Drive	--	10.1	X	X	96.4	53.2	X	--
Electro-Chemical Processes	--	37.3	--	--	--	--	--	--
Other Process Use	--	46.6	X	X	X	65.5	X	--
Direct Uses-Total Nonprocess	--	10.7	X	48.0	13.1	24.3	4.4	--
Facility HVAC (g)	--	14.5	X	95.3	13.3	51.4	4.4	--
Facility Lighting	--	11.0	--	--	--	--	--	--
Other Facility Support	--	13.6	X	0.1	23.0	87.6	X	--
Onsite Transportation	--	24.4	--	5.4	21.5	19.7	--	--
Conventional Electricity Generation	--	--	X	0.1	96.4	96.4	X	--
Other Nonprocess Use	--	43.0	X	43.1	96.4	69.2	X	--
End Use Not Reported	35.6	51.2	X	X	83.7	65.7	X	40.2
339 MISCELLANEOUS								
TOTAL FUEL CONSUMPTION	16.0	9.3	0.1	67.5	27.2	49.1	X	79.7
Indirect Uses-Boiler Fuel	--	31.4	X	72.5	55.7	X	X	--
Conventional Boiler Use	--	31.4	X	78.0	45.8	X	X	--
CHP and/or Cogeneration Process	--	--	X	74.2	61.3	X	X	--
Direct Uses-Total Process	--	11.0	X	94.6	30.9	57.6	X	--
Process Heating	--	21.4	X	99.0	36.6	87.2	X	--
Process Cooling and Refrigeration	--	19.9	X	X	70.6	99.0	X	--
Machine Drive	--	11.9	X	99.0	99.0	74.5	X	--
Electro-Chemical Processes	--	30.7	--	--	--	--	--	--
Other Process Use	--	46.3	X	0.1	75.1	99.0	X	--
Direct Uses-Total Nonprocess	--	9.4	0.1	57.5	21.2	58.9	X	--
Facility HVAC (g)	--	9.9	0.1	99.0	14.6	83.6	X	--
Facility Lighting	--	11.0	--	--	--	--	--	--
Other Facility Support	--	13.5	0.1	X	13.5	99.0	X	--
Onsite Transportation	--	22.5	--	55.1	78.0	48.9	--	--
Conventional Electricity Generation	--	--	X	33.0	87.4	91.1	X	--
Other Nonprocess Use	--	1.7	X	6.9	66.5	0.1	X	--
End Use Not Reported	53.6	53.6	X	X	53.3	68.0	X	79.7

(a) The Bureau of the Census classifies establishments using the 2012 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) Hydrocarbon Gas Liquids '(HGL)' include 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.

* 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.

X=Not defined because RSE corresponds to a value of zero.

-- Estimation is not applicable.

S=Negative value.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'