Table 5.3 End Uses of Fuel Consumption, 2014;

Level: National Data; Row: End Uses within NAICS Codes; Column: Energy Sources, including Net Demand for Electricity;

	Unit: Physical Units or Btu.						
NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	HGL (excluding natural gasoline)(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
		Total United States					
311 - 339	ALL MANUFACTURING INDUSTRIES						
	TOTAL FUEL CONSUMPTION	894,015	5	17	5,693	22	35
	Indirect Uses-Boiler Fuel	15,181	3	2	2,240	2	18
	Conventional Boiler Use	15,181	2	1	735	1	2
	CHP and/or Cogeneration Process		2	1	1,505	1	16
	Direct Uses-Total Process	703,149	1	4	2,869	12	13
	Process Heating	106,168	1	1	2,517	10	13
	Process Cooling and Refrigeration	63,128	*	*	26	*	0
	Machine Drive	446,420	*	2	158	1	*
	Electro-Chemical Processes	67,477					
	Other Process Use	19,956	*	1	169	1	1
	Direct Uses-Total Nonprocess	161,142	*	10	421	7	*
	Facility HVAC (f)	81,530	*	1	358	2	*
	Facility Lighting	55,456					
	Other Facility Support	16,723	*	*	40	*	*

	TOTAL FUEL CONSUMPTION	894,015	5	17	5,693	22	3!
	Indirect Uses-Boiler Fuel	15,181	3	2	2,240	2	18
	Conventional Boiler Use	15,181	2	1	735	1	
	CHP and/or Cogeneration Process		2	1	1,505	1	1
	Direct Uses-Total Process	703,149	1	4	2,869	12	1
	Process Heating	106,168	1	1	2,517	10	1
	Process Cooling and Refrigeration	63,128	*	*	26	*	
	Machine Drive	446,420	*	2	158	1	
	Electro-Chemical Processes	67,477					
	Other Process Use	19,956	*	1	169	1	
	Direct Uses-Total Nonprocess	161,142	*	10	421	7	
	Facility HVAC (f)	81,530	*	1	358	2	
	Facility Lighting	55,456					
	Other Facility Support	16,723	*	*	40	*	
	Onsite Transportation	3,984		7	2	5	
	Conventional Electricity Generation		*	*	12	*	
	Other Nonprocess Use	3,449	*	2	8	*	
	End Use Not Reported	14,543	*	1	163	1	
11	FOOD						
	TOTAL FUEL CONSUMPTION	76,701	1	3	554	1	
	Indirect Uses-Boiler Fuel	2,344	1	1	321	*	
	Conventional Boiler Use	2,344	*	*	143	*	
	CHP and/or Cogeneration Process		*	1	178	*	
	Direct Uses-Total Process	58,044	*	*	175	*	
	Process Heating	3,287	*	*	158	*	
	Process Cooling and Refrigeration	19,994	*	*	3	*	
	Machine Drive	33,211	*	*	4	*	
	Electro-Chemical Processes	170					
	Other Process Use	1,381	0	*	11	*	
	Direct Uses-Total Nonprocess	14,623	*	2	48	1	
	Facility HVAC (f)	6,416	*	*	32	*	
	Facility Lighting	5,650					
	Other Facility Support	1,530	*	*	15	*	
	Onsite Transportation	706		1	*	*	
	Conventional Electricity Generation		0	*	*	*	
	Other Nonprocess Use	320	0	1	1	*	
	End Use Not Reported	1,690	0	*	10	*	
3112	Grain and Oilseed Milling						
	TOTAL FUEL CONSUMPTION	15,641	*	*	129	*	
	Indirect Uses-Boiler Fuel	558	*	*	84	*	
	Conventional Boiler Use	558	0	*	49	*	
	CHP and/or Cogeneration Process		*	*	35	*	
	Direct Uses-Total Process	13,437	*	*	41	*	
	Process Heating	432	*	*	34	*	
	Process Cooling and Refrigeration	1,574	0	*	2	0	
	Machine Drive	11,341	0	*	1	*	
	Electro-Chemical Processes	3					
	Other Process Use	86	0	*	4	*	
	Direct Uses-Total Nonprocess	1,551	*	*	4	*	
	Facility HVAC (f)	630	*	*	3	*	
	Facility Lighting	699					
	Other Facility Support	137	0	*	1	*	

	r dentry Eighting	3,030					
	Other Facility Support	1,530	*	*	15	*	*
	Onsite Transportation	706		1	*	*	
	Conventional Electricity Generation		0	*	*	*	0
	Other Nonprocess Use	320	0	1	1	*	0
	End Use Not Reported	1,690	0	*	10	*	1
3112	Grain and Oilseed Milling						
	TOTAL FUEL CONSUMPTION	15,641	*	*	129	*	3
	Indirect Uses-Boiler Fuel	558	*	*	84	*	2
	Conventional Boiler Use	558	0	*	49	*	1
	CHP and/or Cogeneration Process		*	*	35	*	1
	Direct Uses-Total Process	13,437	*	*	41	*	*
	Process Heating	432	*	*	34	*	*
	Process Cooling and Refrigeration	1,574	0	*	2	0	0
	Machine Drive	11,341	0	*	1	*	0
	Electro-Chemical Processes	3					
	Other Process Use	86	0	*	4	*	0
	Direct Uses-Total Nonprocess	1,551	*	*	4	*	*
	Facility HVAC (f)	630	*	*	3	*	*
	Facility Lighting	699					
	Other Facility Support	137	0	*	1	*	*
	Onsite Transportation	55		*	*	*	
	Conventional Electricity Generation		0	*	*	*	0
	Other Nonprocess Use	30	0	*	*	*	0

	End Use Not Reported	Q	0	*	*	*	
11221	Wet Corn Milling						
	TOTAL FUEL CONSUMPTION	7,274	0	*	46	*	
	Indirect Uses-Boiler Fuel	321	0	*	31	0	
	Conventional Boiler Use	321	0	*	17	0	
	CHP and/or Cogeneration Process		0	0	13	0	
	Direct Uses-Total Process	6,437	0	*	15	*	
	Process Heating	86	0	*	14	*	
	Process Cooling and Refrigeration	1,061	0	0	*	0	
	Machine Drive	5,287	0	*	*	0	
	Electro-Chemical Processes	0					
	Other Process Use	4	0	0	*	0 *	
	Direct Uses-Total Nonprocess	516 197	0	*	1	*	
	Facility HVAC (f) Facility Lighting	260			1		
	Other Facility Support	52	0	0	*	*	
	Onsite Transportation	7		*	*	*	
	Conventional Electricity Generation		0	*	0	*	
	Other Nonprocess Use	0	0	*	0	0	
	End Use Not Reported	0	0	0	0	*	
.31	Sugar						
	TOTAL FUEL CONSUMPTION	3,002	*	*	15	*	
	Indirect Uses-Boiler Fuel	202	*	*	10	0	
	Conventional Boiler Use	202	*	0	3	0	
	CHP and/or Cogeneration Process		*	*	8	0	
	Direct Uses-Total Process	2,282	*	*	5	0	
	Process Heating	84	0	0	5	0	
	Process Cooling and Refrigeration	80	0	0	0	0	
	Machine Drive	2,112	*	*	0	0	
	Electro-Chemical Processes	5					
	Other Process Use	0	0	0	*	0	
	Direct Uses-Total Nonprocess	518	0	*	*	*	
	Facility HVAC (f)	149	0	0	*	*	
	Facility Lighting	184			*		
	Other Facility Support	74	0	0 *		0 *	
	Onsite Transportation	2			0		
	Conventional Electricity Generation		0	0 *	0	0 *	
	Other Nonprocess Use	109 0	0	0	0	*	
	End Use Not Reported						
4	Fruit and Vegetable Preserving and Specialty Foods						
	TOTAL FUEL CONSUMPTION	9,979	*	*	102	*	
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	9,979 283	*	*	102 67	*	
	Indirect Uses-Boiler Fuel Conventional Boiler Use		*	*	67 22	*	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	283 283 	*	*	67 22 45	*	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	283 283 7,482	*	*	67 22 45 20	*	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	283 283 7,482 453	* * *	*	67 22 45 20 19	*	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	283 283 7,482 453 4,184	* * * * * 0	* * *	67 22 45 20 19	* * * * * * 0	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	283 283 7,482 453 4,184 2,690	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19	*	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	283 283 7,482 453 4,184 2,690 29	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 *	* * * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	283 283 7,482 453 4,184 2,690 29	* * * 0 0 0	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * *	* * * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	283 283 7,482 453 4,184 2,690 29 125 2,088	* * * 0 0 0 0 *	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * * 9	* * * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	283 283 7,482 453 4,184 2,690 29 125 2,088 904	* * * 0 0 0 * *	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * * 9 7	* * * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733	* * * 0 0 0 * *	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7	* * * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239	* * * * 0 0 0 * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * 1	* * * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175	* * * 0 0 0 * * * -	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * 1 1 *	* * * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175	* * * 0 0 0 * * 0 0 0	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 * *	* * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175 36	* * * * 0 0 0 * * * 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 1 * 0	* * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175	* * * 0 0 0 * * 0 0 0	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 * *	* * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175 36	* * * * 0 0 0 * * * 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 1 * 0	* * * * * * * * * * * * * * * * * * *	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Dairy Products TOTAL FUEL CONSUMPTION	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175 36 127	* * * 0 0 0 * * 0 0 0 * * * 0 0 0 * *	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 * 0 6	* * * 0 * * 0 * * * 0 * * *	
55	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Dairy Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175 36 127	* * * 0 0 0 * * 0 0 * * * * * * * *	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 * * 0 6 6 66 43	* * * * * * * * * * * * * * * * * * *	
55	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Dairy Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175 36 127	* * * 0 0 0 * * * 0 0 0 * * * 0 0 0 * * * 0 0 0 0	* * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 1 * 0 6 6 6 43 21	* * * * * * * * * * * * *	
5	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Dairy Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	283 283 283 7,482 453 4,184 2,690 29 125 2,088 904 733 239 175 36 127	* * * * 0 0 0 * * 0 0 * * * * 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 1 * 0 6 6 6 43 21 22	* * * * * * * * * * * * *	
5 5	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Dairy Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	283 283 283 283 283 283 283 283 283 283	* * * * 0 0 0 * * 0 0 *	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 1 * 0 6 6 66 43 21 22 18	* * * * * * * * * * * * * * * * * * *	
5	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Dairy Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	283 283 283 283 283 283 283 283 283 283	* * * * 0 0 0 * * 0 0 * * * 0 0 0 * *	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * * 9 7 1 1 * * 0 6 6 66 43 21 22 18	* * * * * * * * * * * * * * * * * * *	
5	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Dairy Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	283 283 283 283 283 283 283 283 283 283	* * * * 0 0 0 * * 0 0 *	* * * * * * * * * * * * * * * * * * *	67 22 45 20 19 * * * 9 7 1 1 * 0 6 6 66 43 21 22 18	* * * * * * * * * * * * * * * * * * *	

	Other Process Use	167	0	*	1	*	
	Direct Uses-Total Nonprocess	1,878	*	*	4	*	
	Facility HVAC (f)	871	*	*	4	*	
	Facility Lighting	655					
	Other Facility Support	179	0	0	1	*	
	Onsite Transportation	140		*			
	Conventional Electricity Generation		0	*	0	0 *	
	Other Nonprocess Use	33	0	*		*	
	End Use Not Reported	733	0		2		
3116	Animal Slaughtering and Processing						
	TOTAL FUEL CONSUMPTION	18,609	*	1	122	*	
	Indirect Uses-Boiler Fuel	484	*	*	77	*	
	Conventional Boiler Use	484	*	*	29	*	
	CHP and/or Cogeneration Process		*	*	48	*	
	Direct Uses-Total Process	14,183	0	*	26	*	
	Process Heating	867	0	*	21	*	
	Process Cooling and Refrigeration	7,535	0	*	*	*	
	Machine Drive	5,159	0	*	1	*	
	Electro-Chemical Processes	73					
	Other Process Use	550	0	*	4	*	
	Direct Uses-Total Nonprocess	3,582	*	1	19	*	
	Facility HVAC (f)	1,520	0	*	8	*	
	Facility Lighting	1,492					
	Other Facility Support	394	*	*	11	*	
	Onsite Transportation	110		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	65	0	*	*	*	
	End Use Not Reported	Q	0	*	11	*	
312	BEVERAGE AND TOBACCO PRODUCTS						
	TOTAL FUEL CONSUMPTION	10,014	*	*	47	*	
	Indirect Uses-Boiler Fuel	161	*	*	33	*	
	Conventional Boiler Use	161	*	*	20	*	
	CHP and/or Cogeneration Process		0	*	13	*	
	Direct Uses-Total Process	6,376	0	*	6	*	
	Process Heating	436	0	*	6	*	
	Process Cooling and Refrigeration	1,972	0	0	*	0	
	Machine Drive	3,698	0	*	*	*	
	Electro-Chemical Processes	21					
	Other Process Use	249	0	*	*	*	
	Direct Uses-Total Nonprocess	2,711	0	*	5	*	
	Facility HVAC (f)	1,190	0		4		
	Facility Lighting	943		*	*		
	Other Facility Support	331	0	*	*	*	
	Onsite Transportation	204		*	*		
	Conventional Electricity Generation		0	*	*	0 *	
	Other Nonprocess Use	43 766	0	*	2	*	
	End Use Not Reported	700	U		Z		
3121	Beverages						
	TOTAL FUEL CONSUMPTION	9,065	0	*	42	*	
	Indirect Uses-Boiler Fuel	154	0	*	30	*	
	Conventional Boiler Use	154	0	*	17	*	
	CHP and/or Cogeneration Process		0	*	12	*	
	Direct Uses-Total Process	5,881	0	*	5	*	
	Process Heating	393	0	*	5	*	
	Process Cooling and Refrigeration	1,926	0	0	*	0	
	Machine Drive	3,301	0	*	*	*	
	Electro-Chemical Processes	21					
	Other Process Use	240	0	*	*	*	
	Direct Uses-Total Nonprocess	2,264	0	*	5	*	
	Facility HVAC (f)	922	0	*	4	*	
	Facility Lighting	820					
	Other Facility Support	284	0	0	*	*	
	Onsite Transportation	197		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	41	0	*	*	*	
	End Use Not Reported	766	0	*	2	*	
3122	Tobacco						
	TOTAL FUEL CONCURSOR ON		*	*		*	
	TOTAL FUEL CONSUMPTION	949		·	5		

	Indirect Uses-Boiler Fuel	7	*	*	4	*	*
	Conventional Boiler Use	7	*	*	3	*	*
	CHP and/or Cogeneration Process		0	*	1	*	*
	Direct Uses-Total Process		0	*		*	*
		495		*	1	*	*
	Process Heating	43	0		1		
	Process Cooling and Refrigeration	46	0	0	*	0	0
	Machine Drive	397	0	*	*	*	0
	Electro-Chemical Processes	*					
	Other Process Use	9	0	0	*	*	0
		447	0	*	1	*	*
	Direct Uses-Total Nonprocess			*	<u>1</u> *	*	*
	Facility HVAC (f)	268	0	*	*	*	*
	Facility Lighting	123					
	Other Facility Support	47	0	*	*	0	0
	Onsite Transportation	7		*	*	*	
	Conventional Electricity Generation		0	*	0	0	0
	Other Nonprocess Use	2	0	*	*	*	
	End Use Not Reported	0	0	0	0	0	C
313	TEXTILE MILLS						
	TOTAL FUEL CONSUMPTION	12,687	*	*	35	*	*
	Indirect Uses-Boiler Fuel	261	*	*	13	*	
				*		*	
	Conventional Boiler Use	261	0		4		
	CHP and/or Cogeneration Process		*	*	9	*	*
	Direct Uses-Total Process	9,282	*	*	19	*	(
	Process Heating	1,078	*	*	12	*	(
	Process Cooling and Refrigeration	468	0	0	*	*	
			0	0		*	
	Machine Drive	7,505			Q		
	Electro-Chemical Processes	1					
	Other Process Use	229	0	*	1	*	C
	Direct Uses-Total Nonprocess	3,111	*	*	3	*	C
	Facility HVAC (f)	1,882	*	*	2	*	C
	Facility Lighting	924					
				*	*	*	
	Other Facility Support	189	0				
	Onsite Transportation	110		*	0	*	
	Conventional Floatricity Concration					0	C
	Conventional Electricity Generation		0	*	0	U	
			0	*	0	*	
	Other Nonprocess Use	Q	0	*	0		0
						*	
214	Other Nonprocess Use End Use Not Reported	Q	0	*	0	*	0
314	Other Nonprocess Use	Q	0	*	0	*	0
314	Other Nonprocess Use End Use Not Reported	Q	0	*	0	*	C
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS	Q	0	0	0 1	*	C
314	Other Nonprocess Use End Use Not Reported	Q	0	*	0	*	C
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS	Q	0	0	0 1	*	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	Q Q 2,748 134	*	*	0 1 1 16 7	*)
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	2,748 134 134	0	* * *	0 1 1 16 7 4	*))
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	2,748 134 134	0 0 * * 0 *	* 0	0 1 1 16 7 4	* * * * * * * * * * * * * * * * * * * *	4
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	2,748 134 134 1,832	* * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0	0 1 1 16 7 4 2	*	4 4 4
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	2,748 2,748 134 134 1,832 191	0 0 * * 0 *	* 0	0 1 16 7 4 2 6	*	4 4
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	2,748 134 134 1,832	* * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0	0 1 1 16 7 4 2	*	4 4
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	2,748 2,748 134 134 1,832 191	0 0 * * 0 *	* 0	0 1 16 7 4 2 6	*	4 4 4 4 ((((((((((((((((
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	2,748 2,748 134 134 1,832 191 180 1,442	0 0 * * 0 * 0 0	* 0 * * * * * * * 0 0	0 1 1 16 7 4 2 6 5	* * * * * * * * * * * * * * * * * * *	(((((((((((((((((((
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	2,748 2,748 134 134 1,832 191 180 1,442 8	0 0 0 * * 0 0 0 0	* 0 * * * * * * 0 * *	0 1 1 16 7 4 2 6 5 0	* * * * * * * * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	Q Q Q 2,748 134 134 	0 0 0 * * 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 *	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	Q Q Q 2,748 134 134 1,832 191 180 1,442 8 12	0 0 0 * * 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 *	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 *	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	Q Q Q 2,748 134 134 1,832 191 180 1,442 8 12	0 0 0 * * 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 *	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 *	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * 0 0 0 0 0 0 0 0	* 0 * * * * 0 * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * 	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * * 4 3	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0 0 0 0 0	*	0 1 1 16 7 4 2 6 5 0 * 	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * * * 4 3 *	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0 0 0 0 0	*	0 1 1 16 7 4 2 6 5 0 * 	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * * * 4 3 *	* * * * * * * * * * * * *	
314	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * * * 4 3 *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 * * 0 0 0 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * * * 4 3 *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 0 * * * * * 0 * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * 	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0	*	0 1 1 16 7 4 2 6 5 5 0 * * 4 3 3 	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 5 0 * * 4 3 3 	* * * * * * * * * * * * *	C C C C C C C C C C C C C C C C C C C
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0	*	0 1 1 16 7 4 4 2 6 6 5 5 0 0 * * * 4 3 3 * * 0 0 0 0 0 * * * * 2 1 1 * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 5 0 * * 4 3 3 	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 4 2 6 6 5 5 0 0 * * * 4 3 3 * * 0 0 0 0 0 * * * * 2 1 1 * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * 0 * * * * * * * * * * * *	0 1 1 1 6 7 4 4 2 6 6 5 0 0 * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * 0 * * * * * * * * * * * *	0 1 1 1 6 7 4 4 2 6 6 5 0 0 * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * 0 * * * * * * * * * * * *	0 1 1 16 7 4 4 2 6 6 5 5 0 0 * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 1 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * 0 * * * * * * * * * * * *	0 1 1 1 6 7 4 4 2 6 6 5 0 0 * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * 0 * * * * * * * * * * * *	0 1 1 16 7 4 4 2 6 6 5 5 0 0 * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 1 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 * * * * 0 * * * * * * * * * * * *	0 1 1 16 7 4 4 2 6 6 5 0 0 * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	
	Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported APPAREL TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* 0 * * * * * * * * * * * * * * * * *	0 1 1 16 7 4 2 6 5 0 * * 4 3 * 0 0 0 0 * * 2 1 1 * * * 0 0 0 0 0 * * * * * * * * * *	* * * * * * * * * * * * *	0

	Facility Lighting	134			<u></u>		-
	Other Facility Support	27	0	0	*	0	(
	Onsite Transportation	6		*	0	*	-
	Conventional Electricity Generation		0	0	0	0	(
	Other Nonprocess Use	0	0	0	0	0	(
	End Use Not Reported	Q	0	0	*	*	
316	LEATHER AND ALLIED PRODUCTS						
	TOTAL FUEL CONSUMPTION	316	*	*	1	*	
	Indirect Uses-Boiler Fuel	2	*	*	*	0	(
	Conventional Boiler Use	2	0	0	*	0	
	CHP and/or Cogeneration Process		*	*	*	0	
	Direct Uses-Total Process	241	*	*	1	*	
	Process Heating	25	0	*	1	*	
	Process Cooling and Refrigeration	11	0	0	0	0	
	Machine Drive	202	0	0	*	0	
	Electro-Chemical Processes	1					
	Other Process Use	2	*	0	*	*	
	Direct Uses-Total Nonprocess	72	0	*	*	*	
	Facility HVAC (f)	31	0	*	*	*	
	Facility Lighting	33					
	Other Facility Support	7	0	0	*	*	
	Onsite Transportation	1		*	0	*	
	Conventional Electricity Generation		0	0	0	0	
	Other Nonprocess Use	*	0	*	0	0	
	End Use Not Reported	Q	0	0	*	*	
	Lifu ose not reported						
321	WOOD PRODUCTS						
	TOTAL FUEL CONSUMPTION	22,353	*	2	48	1	
	Indirect Uses-Boiler Fuel	383	0	*	11	*	
	Conventional Boiler Use	383	0	*	3	*	
	CHP and/or Cogeneration Process		0	*	7	*	
	Direct Uses-Total Process	18,341	*	*	31	*	
	Process Heating	1,393	*	*	27	*	
	Process Cooling and Refrigeration	153	0	*	*	0	
	Machine Drive	16,501	*	*	2	*	
	Electro-Chemical Processes	63					
	Other Process Use	232	*	*	2	*	
	Direct Uses-Total Nonprocess	3,396	0	1	6	1	
	Facility HVAC (f)	1,626	0	*	6	*	
	Facility Lighting	1,303					
	Other Facility Support	341	0	*	*	*	
	Onsite Transportation	53		1	*	*	
	Conventional Electricity Generation		0	*	*	*	
	Other Nonprocess Use	73	0	*	*	*	
	End Use Not Reported	233	0	*	*	*	
321113	Sawmills						
	TOTAL FUEL CONSUMPTION	5,956	*	1	6	*	
	Indirect Uses-Boiler Fuel	118	0	*	2	*	
	Conventional Boiler Use	118	0	*	1	0	
				*		*	
	CHP and/or Cogeneration Process		0 *	*	1	*	
	Direct Uses-Total Process	5,050	*	*	4	*	
	Process Heating	456			4		
	Process Cooling and Refrigeration	14	0 *	0 *	0 *	0 *	
	Machine Drive	4,541					
	Electro-Chemical Processes	6					
	Other Process Use	33	0	*	0	*	
	Direct Uses-Total Nonprocess	678	0	1	*	*	
	Facility HVAC (f)	215	0	*	*	*	
	Facility Lighting	366					
	Other Facility Support	91	0	*	*	*	
	Onsite Transportation	6		1	*	*	
	Conventional Electricity Generation		0	*	*	*	
	Other Nonprocess Use	1	0	*	*	*	
	End Use Not Reported	109	0	*	0	*	
3212	Veneer, Plywood, and Engineered Woods						

	TOTAL FUEL CONSUMPTION	7,459	0	*	28	*	*
	Indirect Uses-Boiler Fuel	156	0	*	4	*	*
				*		*	*
	Conventional Boiler Use	156	0		2		
	CHP and/or Cogeneration Process		0	*	3	*	*
	Direct Uses-Total Process	6,357	0	*	22	*	0
	Process Heating	543	0	*	18	*	0
	Process Cooling and Refrigeration	60	0	0	0	0	0
	Machine Drive	5,663	0	*	1	*	0
	Electro-Chemical Processes	42					
	Other Process Use	49	0	*	2	*	0
			0	*	2	*	0
	Direct Uses-Total Nonprocess	896		*		*	
	Facility HVAC (f)	341	0		1		0
	Facility Lighting	394					
	Other Facility Support	107	0	*	*	*	0
	Onsite Transportation	7		*	0	*	
	Conventional Electricity Generation		0	*	0	0	0
	Other Nonprocess Use	47	0	*	*	*	0
	End Use Not Reported	51	0	*	*	*	0
321219	Reconstituted Wood Products						
321219	Reconstituted wood Products						
	TOTAL FUEL CONSUMPTION	4,996	0	*	20	*	*
	Indirect Uses-Boiler Fuel	113	0	*	3	*	*
	Conventional Boiler Use	113	0	0	1	*	*
	CHP and/or Cogeneration Process		0	*	2	*	*
	Direct Uses-Total Process	4,311	0	*	17	*	0
				*		*	
	Process Heating	400	0		14		0
	Process Cooling and Refrigeration	37	0	0	0	0	0
	Machine Drive	3,807	0	*	1	*	0
	Electro-Chemical Processes	40					
	Other Process Use	27	0	0	2	*	0
	Direct Uses-Total Nonprocess	559	0	*	*	*	0
	Facility HVAC (f)	229	0	*	*	*	0
	Facility Lighting	237					 .
	Other Facility Support	71	0	*	*	*	0
	Onsite Transportation	6		*	0	*	
	Conventional Electricity Generation		0	*	0	0	0
	Other Nonprocess Use	17	0	*	*	*	0
	End Use Not Reported	13	0	0	0	0	0
							<u>-</u>
3219	Other Wood Products						
	Other wood Floates						
	TOTAL FUEL CONSUMPTION	8,549	*	1	12	1	0
	Indirect Uses-Boiler Fuel	98	0	*	4	*	0
	Conventional Boiler Use	98	0	*	1	*	0
	CHP and/or Cogeneration Process		0	*	3	*	0
	Direct Uses-Total Process	6,649	*	*	5	*	0
	Process Heating	306	0	*	4	*	0
		59	0	*	*	0	0
	Process Cooling and Refrigeration		*	*		*	
	Machine Drive	6,126			Q		0
	Electro-Chemical Processes	Q					
	Other Process Use	149	0	*	*	*	0
	Direct Uses-Total Nonprocess	1,746	0	*	4	*	0
	Facility HVAC (f)	1,042	0	*	4	*	0
	Facility Lighting	512					
	Other Facility Support	133	0	0	*	*	0
				U	*	*	
	Onsite Transportation	34					
	Conventional Electricity Generation		0	*	*	*	0
	Other Nonprocess Use	25	0	*	0	*	0
	End Use Not Reported	55	0	*	*	*	0
322	PAPER						
	TOTAL FUEL CONSUMPTION	99,474	3	1	424	1	7
	Indirect Uses-Boiler Fuel	4,655	2	*	262	*	6
	Conventional Boiler Use	4,655	1	*	40	0	*
	CHP and/or Cogeneration Process		1	*	222	*	6
	Direct Uses-Total Process	84,622	1	*	139	*	*
		3,901	1	*	120	*	*
					140		
	Process Geoline and Refrigeration					0	0
	Process Cooling and Refrigeration	1,689	0	0	*	0	0
	Process Cooling and Refrigeration Machine Drive	1,689 74,796		0	* 16	0 *	0
	Process Cooling and Refrigeration	1,689	0	*	*	*	
	Process Cooling and Refrigeration Machine Drive	1,689 74,796	0 *	*	* 16	*	

	Direct Uses-Total Nonprocess	9,692	*	*	21	1	
	Facility HVAC (f)	4,409	*	*	16	*	
	Facility Lighting	3,846					
	Other Facility Support	1,084	0	*	2	*	
				*	*		
	Onsite Transportation	205	 *	*		1	
	Conventional Electricity Generation				3		
	Other Nonprocess Use	Q	*	*	*	*	
	End Use Not Reported	505	*	*	Q	*	
322110	Pulp Mills						
,22110	ruip ivinis						
	TOTAL FUEL CONSUMPTION	6,886	*	*	29	*	
	Indirect Uses-Boiler Fuel	411	*	*	15	*	
	Conventional Boiler Use	411	0	*	0	0	
	CHP and/or Cogeneration Process		*	*	15	*	
	Direct Uses-Total Process		*	*	14	*	
		5,780 49	*	*	14	*	
	Process Heating						
	Process Cooling and Refrigeration	45	0	0	0	0	
	Machine Drive	5,687	0	*	0	0	
	Electro-Chemical Processes	0					
	Other Process Use	0	0	0	0	0	
	Direct Uses-Total Nonprocess	694	0	*	*	*	
	Facility HVAC (f)	353	0	0	*	*	
	Facility Lighting	297					
	Other Facility Support	43	0	0	*	*	
	Onsite Transportation	*		*	0	*	
			0	0	0	0	
	Conventional Electricity Generation						
	Other Nonprocess Use	0	0	0	0	0 *	
	End Use Not Reported	0	0	0	0	*	
22121	Paper Mills, except Newsprint						
	TOTAL FUEL CONSUMPTION	36,416	1	*	156	*	
	Indirect Uses-Boiler Fuel	2,388	1	*	87	*	
	Conventional Boiler Use	2,388	1	*	14	0	
	CHP and/or Cogeneration Process		*	*	73	*	
	Direct Uses-Total Process	30,814	*	*	63	*	
	Process Heating	1,548	*	*	47	*	
	Process Cooling and Refrigeration	462	0	0	*	0	
	Machine Drive				15	*	
		28,491	*	*			
	Electro-Chemical Processes	199					
	Electro-Chemical Processes Other Process Use		0		1	 0	
	Electro-Chemical Processes	199					
	Electro-Chemical Processes Other Process Use	199 114	0		1	 0	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	199 114 3,214	0	*	 1 6	 0 *	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	199 114 3,214 1,393	0	*	1 6 3	0 *	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	199 114 3,214 1,393 1,360 404	*	*	1 6 3	0 *	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	199 114 3,214 1,393 1,360	 0 * *	*	1 6 3 		
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	199 114 3,214 1,393 1,360 404 57	 0 * * 0	*	1 6 3 *		
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	199 114 3,214 1,393 1,360 404 57 	 0 * * 0	*	1 6 3 * *		
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	199 114 3,214 1,393 1,360 404 57	 0 * * 0	*	1 6 3 *	* * * * 0 * * * 0 * * * 0 * * * 0 * *	
12122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills	199 114 3,214 1,393 1,360 404 57 	 0 * * 0 * *	*	1 6 3 * * 3 3	 0 * * * * 0 *	
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	199 114 3,214 1,393 1,360 404 57 	 0 * * 0	*	1 6 3 * *	* * * * 0 * * * 0 * * * 0 * * * 0 * *	
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills	199 114 3,214 1,393 1,360 404 57 0	 0 * * 0 * *	*	1 6 3 * * 3 3	 0 * * * * 0 *	
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION	199 114 3,214 1,393 1,360 404 57 0 0	 0 * * 0 * *	*	 1 6 3 * * * 0		
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	199 114 3,214 1,393 1,360 404 57 0 0 8,634 191			1 6 3		
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	199 114 3,214 1,393 1,360 404 57 0 0 1 191 191					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	199 114 3,214 1,393 1,360 404 57 0 0 0 191 191 191 7,952	 0 * * 0 * * 0 0 0 0 0 0 0 0				
2122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	199 114 3,214 1,393 1,360 404 57 0 0 0 1 191 191 191 7,952					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	199 114 3,214 1,393 1,360 404 57 0 0 0 8,634 191 191 7,952 104 86					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	199 114 3,214 1,393 1,360 404 57 0 0 0 8,634 191 191 7,952 104 86 4,788					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	199 114 3,214 1,393 1,360 404 57 0 0 0 8,634 191 191 7,952 104 86 4,788 456		* * * * * * * * * * * * *			
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 7,952 104 86 4,788 456 2,519					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 7,952 104 86 4,788 456 2,519 251	0 * * 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *			
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 7,952 104 86 4,788 456 2,519					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 7,952 104 86 4,788 456 2,519 251	0 * * 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *			
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 7,952 104 86 4,788 456 2,519 251 94					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	199 114 3,214 1,393 1,360 404 57 0 0 0 0 1 191 191 191 7,952 104 86 4,788 456 2,519 251 94 116 28	0 * * 0 0 * * 0 0 0 0 0 0 0 0 0 0 0				
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 191 7,952 104 86 4,788 456 2,519 251 94 116 28	0 * * 0 0 0 0 0 0 0 0 0 0				
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 191 7,952 104 86 4,788 456 2,519 251 94 116 28 13					
22122	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Newsprint Mills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	199 114 3,214 1,393 1,360 404 57 0 0 0 0 8,634 191 191 191 7,952 104 86 4,788 456 2,519 251 94 116 28	0 * * 0 0 0 0 0 0 0 0 0 0				

	TOTAL FUEL CONSUMPTION	34,373	1	*	183	*	2
	Indirect Uses-Boiler Fuel	1,361	1	*	136	*	2
	Conventional Boiler Use	1,361	*	*	18	0	*
	CHP and/or Cogeneration Process		*	*	119	*	2
	Direct Uses-Total Process	30,054	*	*	41	*	*
	Process Heating	1,029	*	*	37	*	*
	Process Cooling and Refrigeration	582	0	0	0	0	0
	Machine Drive	27,775	0	*	1	*	
							0
	Electro-Chemical Processes	168		*		*	
	Other Process Use	500	0		2		0
	Direct Uses-Total Nonprocess	2,765	*	*	6	*	*
	Facility HVAC (f)	1,089	*	*	5	*	0
	Facility Lighting	1,219					
	Other Facility Support	366	0	0	1	*	0
	Onsite Transportation	43		*	0	*	
	Conventional Electricity Generation		*	*	*	0	*
	Other Nonprocess Use	47	0	*	0	*	0
	End Use Not Reported	194	*	*	0	*	0
323	PRINTING AND RELATED SUPPORT						
	TOTAL FUEL CONSUMPTION	14,232	*	*	38	*	0
	Indirect Uses-Boiler Fuel	118	*	*	7	*	0
	Conventional Boiler Use	118	*	*	4	*	0
	CHP and/or Cogeneration Process		0	*	3	*	0
	Direct Uses-Total Process	9,525	0	*	18	*	0
	Process Heating	581	0	0	17	*	0
	Process Cooling and Refrigeration	1,043	0	0	*	0	0
	Machine Drive	7,541	0	*	1	*	0
	Electro-Chemical Processes	159					
	Other Process Use	200	0	*	Q	*	0
				*		*	
	Direct Uses-Total Nonprocess	4,146	0	*	12	*	0
	Facility HVAC (f)	2,374	0		11		0
	Facility Lighting	1,184				*	
	Other Facility Support	393	0	*	*		0
	Onsite Transportation	153		*	*	*	
	Conventional Electricity Generation		0	*	Q	0	0
	Other Nonprocess Use	Q	0	*	*	0	0
	End Use Not Reported	Q	0	0	1	*	0
324	PETROLEUM AND COAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	67,662	1	2	1,041	10	*
	Indirect Uses-Boiler Fuel	507	*	*	339	1	*
	Conventional Boiler Use	507	*	*	108	1	0
	CHP and/or Cogeneration Process		*	*	231	*	*
	Direct Uses-Total Process	61,351	1	1	592	8	*
	Process Heating	2,293	*	*	550	8	0
	Process Cooling and Refrigeration	2,875	*	*	1	*	0
	Machine Drive	54,710	*	*	12	*	0
	Electro-Chemical Processes	988					
	Other Process Use	485	*	*	29	*	*
	Direct Uses-Total Nonprocess	5,040	*	1	8	*	*
	Facility HVAC (f)	2,579	*	*	5	*	0
	Facility Lighting	1,716					
			0	*	*	*	
	Other Facility Support	668			*	*	0
	Onsite Transportation	7		<u>1</u> *		*	
	Conventional Electricity Generation		0		3		0
	Other Nonprocess Use	70	0	*	*	*	*
	End Use Not Reported	763	*	*	101	*	0
324110	D-t						
JE-1110	Petroleum Refineries						
	TOTAL FUEL CONSUMPTION	64,158	*	1	972	10	*
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	423	*	*	323	1	*
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	423 423	*	*	323 102	1	0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	423 423 	*	* * *	323 102 221	1 1 *	0 *
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	423 423	* * 0 *	*	323 102	1	0 *
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	423 423 	*	* * *	323 102 221 543 507	1 1 * 8 8	0 *
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	423 423 58,475	* * 0 *	* * * * 0	323 102 221 543	1 1 *	0 *
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	423 423 58,475 1,939	* 0 *	* * * *	323 102 221 543 507	1 1 * 8 8	0 *
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	423 423 58,475 1,939 2,717	* * 0 * * 0	* * * * 0	323 102 221 543 507 *	1 1 * 8 8	0 * 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	423 423 58,475 1,939 2,717 52,396	* * 0 * * 0 0 0 0	* * * * * 0 *	323 102 221 543 507 *	1 1 8 8 8 8 8 * * *	0 * 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	423 423 58,475 1,939 2,717 52,396 975	* * 0 * 0 0 0 0	* * * * * 0 *	323 102 221 543 507 * 9	1 1 * 8 8 8 *	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	423 423 58,475 1,939 2,717 52,396 975 449	* * 0 * * 0 0 0 0 0	* * * * * * * * * * * * * * * * * * *	323 102 221 543 507 * 9 27 6	1 1 * * * * * * * * * * * * * * * * * *	0 * 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	423 423 58,475 1,939 2,717 52,396 975	* * * 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * *	323 102 221 543 507 * 9	1 1	0 * 0 0 0 0

	Other Facility Support	601	0	*	*	*	0
	Onsite Transportation	0		*	0	*	
	Conventional Electricity Generation		0	*	3	*	0
	Other Nonprocess Use	62	0	*	*	0	0
	End Use Not Reported	733	*	*	101	*	0
324121	Asphalt Paving Mixture and Block						
	TOTAL FUEL CONSUMPTION	935	*	1	41	*	0
	Indirect Uses-Boiler Fuel	31	0	*	5	*	0
				*		*	
	Conventional Boiler Use	31	0	*	1	*	0
	CHP and/or Cogeneration Process		0 *	*	5	*	0
	Direct Uses-Total Process	751			35		0
	Process Heating	151	*	*	30	*	0
	Process Cooling and Refrigeration	3	*	*	*	0	C
	Machine Drive	595	*	*	3	*	C
	Electro-Chemical Processes	*					
	Other Process Use	1	*	*	2	*	C
	Direct Uses-Total Nonprocess	125	*	*	1	*	(
	Facility HVAC (f)	53	*	*	1	*	(
	Facility Lighting	47					
	Other Facility Support	21	0	*	*	*	(
	Onsite Transportation	1		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	2	0	*	*	*	
	End Use Not Reported	29	0	*	*	*	
	Liu Ose Not Nepotteu						
324122	Asphalt Shingle and Coating Materials						
	TOTAL FUEL CONCUENTION			*		*	
	TOTAL FUEL CONSUMPTION	738	*	*	10	*	
	Indirect Uses-Boiler Fuel	19			3		(
	Conventional Boiler Use	19	0	*	1	*	(
	CHP and/or Cogeneration Process		*	*	2	*	
	Direct Uses-Total Process	580	0	*	7	*	2
	Process Heating	57	0	*	6	*	
	Process Cooling and Refrigeration	33	0	0	*	0	(
	Machine Drive	473	0	*	*	*	(
	Electro-Chemical Processes	12					
	Other Process Use	7	0	*	*	*	*
	Direct Uses-Total Nonprocess	139	0	*	1	*	
	Facility HVAC (f)	60	0	*	1	*	
	Facility Lighting	64					
		13		*	*	*	
	Other Facility Support		0	*	*	*	
	Onsite Transportation	2		*	*		
	Conventional Electricity Generation		0				(
	Other Nonprocess Use	0	0	*	*	*	
	End Use Not Reported	0	0		0	·	(
324199	Other Petroleum and Coal Products						
	TOTAL FUEL CONSUMPTION	1,145	0	*		*	
	Indirect Uses-Boiler Fuel	10	0	*	2	*	
	Conventional Boiler Use	10	0	*	1	0	
	CHP and/or Cogeneration Process		0	*	1	*	
	Direct Uses-Total Process	1,017	0	*	5	*	
	Process Heating	90	0	*	5	*	
	Process Cooling and Refrigeration	39	0	0	0	*	
	Machine Drive	888	0	*	0	0	
	Electro-Chemical Processes	0					
	Other Process Use	*	0	*	0	*	
	Direct Uses-Total Nonprocess	117	0	*	1	*	
	Facility HVAC (f)	50	0	*	1	*	
	Facility Lighting	50					
	Other Facility Support	17	0	0	*	*	
	Onsite Transportation	*		*		*	
				*	0		
	Conventional Electricity Generation	*	0	*	*	0	
	Other Nonprocess Use End Use Not Reported	0	0	0	0	0	
325	CHEMICALS						
	TOTAL FUEL CONSUMPTION	183,096	*	2	1,946	1	1:
		103,030					
		2 776	*	*	1 023	*	
	Indirect Uses-Boiler Fuel	3,776 3,776			1,023		
	Indirect Uses-Boiler Fuel Conventional Boiler Use	3,776	*	*	324	*	
	Indirect Uses-Boiler Fuel						

	D	5.402	*	*	500	*	
	Process Heating	6,403		*	688	*	1
	Process Cooling and Refrigeration	17,107	0	*	15	*	C
	Machine Drive	98,971	0		88		
	Electro-Chemical Processes	30,163		*		*	
	Other Process Use	2,731	0 *		64		C
	Direct Uses-Total Nonprocess	21,509		1	56	*	
	Facility HVAC (f)	11,240	*	*	47	*	*
	Facility Lighting	7,229					
	Other Facility Support	2,140	0	*	6	*	(
	Onsite Transportation	452		1	*	*	-
	Conventional Electricity Generation		0	*	*	*	(
	Other Nonprocess Use	448	0	*	2	*	(
	End Use Not Reported	2,436	0	*	11	*	
325110	Petrochemicals						
	TOTAL FUEL CONSUMPTION	9,717	0	*	300	*	
	Indirect Uses-Boiler Fuel	21	0	*	85	*	
	Conventional Boiler Use	21	0	*	18	*	
	CHP and/or Cogeneration Process		0	*	66	*	
	Direct Uses-Total Process		0	*	215	*	
		9,234				*	
	Process Heating	298	0	0	<u>C</u>		
	Process Cooling and Refrigeration	2,106	0	0	3	0	
	Machine Drive	5,992	0	*	W	*	
	Electro-Chemical Processes	837					
	Other Process Use	0	0	*	С	*	
	Direct Uses-Total Nonprocess	463	0	*	1	*	
	Facility HVAC (f)	242	0	*	*	*	
		168					
	Facility Lighting			*	*		
	Other Facility Support	51	0			0 *	
	Onsite Transportation	1		*	0		
	Conventional Electricity Generation		0	*	0	0	
	Other Nonprocess Use	*	0	*	1	0	
	End Use Not Reported	0	0	*	0	*	
25120	Industrial Gases						
	TOTAL FUEL CONSUMPTION	19,979	0	*	37	*	
				*		*	
	Indirect Uses-Boiler Fuel	26	0		5		
	Conventional Boiler Use	26	0	*	3	0	
	CHP and/or Cogeneration Process		0	*	2	*	
	Direct Uses-Total Process	19,306	0	*	16	0	
	Process Heating	244	0	*	7	0	
	D Cli		0	*	*		
	Process Cooling and Retrigeration	432					
	Process Cooling and Refrigeration Machine Drive	432 18 625		*	5	0	
	Machine Drive	18,625	0		5	0	
	Machine Drive Electro-Chemical Processes	18,625 6	0			0	
	Machine Drive Electro-Chemical Processes Other Process Use	18,625 6 0	0 0	 0	4	0 0 0	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	18,625 6 0 642	0 0 0	0	 4 15	0 0 0 *	
	Machine Drive Electro-Chemical Processes Other Process Use	18,625 6 0	0 0	 0	4	0 0 0	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	18,625 6 0 642	0 0 0	0	 4 15	0 0 0 *	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	18,625 6 0 642 426	0 0 0	0	 4 15	0 0 0 *	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	18,625 6 0 642 426 144 44	0 0 0 0		 4 15 15	0 0 0 *	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	18,625 6 0 642 426 144 44 Q	0 0 0 0	 0 * *	4 15 15 *	0 0 0 * * *	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	18,625 6 0 642 426 144 44 Q	0 0 0 0 0		4 15 15 * *	0 0 0 * * *	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	18,625 6 0 642 426 144 44 Q	0 0 0 0 0 0		 4 15 15 * * 0 0	0 0 0 * * * *	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	18,625 6 0 642 426 144 44 Q	0 0 0 0 0	 0 * * *	4 15 15 * *	0 0 0 * * *	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	18,625 6 0 642 426 144 44 Q	0 0 0 0 0 0		 4 15 15 * * 0 0	0 0 0 * * * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	18,625 6 0 642 426 144 44 Q	0 0 0 0 0 0		 4 15 15 * * 0 0	0 0 0 * * * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals	18,625 6 0 642 426 144 44 Q Q 4	0 0 0 0 0 0 0		 4 15 15 * * 0 0	0 0 0 * * * * * 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals	18,625 6 0 642 426 144 44 Q Q Q 4	0 		 4 15 15 * * 0 0 0	0 0 0 * * * * 0 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	18,625 6 0 642 426 144 44 Q Q 4	0 0 0 0 0 0 0 0 0		4 15 15 15 * * 0 0 0 0	0 0 0 * * * 0 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals	18,625 6 0 642 426 144 44 Q Q Q 4	0 		 4 15 15 * * 0 0 0	0 0 0 * * * * 0 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	18,625 6 0 0 642 426 1144 44 Q Q Q 4 27,836 2,050	0 0 0 0 0 0 0 0 0		4 15 15 15 * * 0 0 0 0	0 0 0 * * * 0 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	18,625 6 0 0 642 426 144 Q Q Q 4 27,836 2,050 2,050	0 0 0 0 0 0 0 0 0		4 4 15 15 * * * 0 0 0 0 0 0 0 0 0 147 50 15 35	0 0 0 * * * * 0 0 0 0 *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	18,625 6 0 0 642 426 144 44 Q Q Q 4 27,836 2,050 2,050 23,541	0 0 0 0 0 0 0 0		4 4 15 15 * * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * 0 0 0 * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	18,625 6 0 0 642 426 144 44 Q Q 4 27,836 2,050 2,050 23,541 1,045	0 		4 4 15 15 15 * * 0 0 0 0 0 0 147 50 15 35 94	0 0 0 * * * * 0 0 0 * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	18,625 6 0 0 642 426 144 44 Q Q Q 4 27,836 2,050 2,050 23,541 1,045 997	0 		4 4 15 15 15 + + 0 0 0 0 0 0 0	0 0 0 * * * * 0 0 0 * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	18,625 6 0 0 642 426 144 44 0 0 Q 4 27,836 2,050 2,050 23,541 1,045 997 6,274	0 		4 4 15 15 15 + * 0 0 0 0 0 0 0	0 0 0 * * * * 0 0 0 * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	18,625 6 0 0 642 426 144 44 Q Q Q 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683	0 		4 4 15 15 15 + + 0 0 0 0 0 0 0	0 0 0 * * * * 0 0 0 * * * * * * * * * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	18,625 6 0 0 642 426 144 44 0 0 Q 4 27,836 2,050 2,050 23,541 1,045 997 6,274	0 		4 4 15 15 15 + * 0 0 0 0 0 0 0	0 0 0 * * * * 0 0 0 * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	18,625 6 0 0 642 426 144 44 Q Q Q 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683	0 		147 50 15 35 94 47 47	0 0 0 * * * * 0 0 0 * * * * * * * * * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	18,625 6 0 0 642 426 144 44 Q Q Q 4 27,836 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947	0 			0 0 0 * * * * 0 0 0 0 * * * * * * * * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	18,625 6 0 0 642 426 144 44 Q Q Q 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947 808	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 * * * * * 0 0 0 * * * * * * * * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	18,625 6 0 0 642 426 144 44 Q Q Q 4 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947 808 764	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		15 15 15 15 15 16 17 18 19 10 10 11 147 15 15 35 35 34 47 45 1 3 2	0 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility HVAC (f) Facility Lighting Other Facility Support	18,625 6 0 0 642 426 144 44 Q Q Q 4 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947 808 764 223	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		15 15 15 15 15 17 18 19 10 10 10 10 10 11 10 11 11 11 11 11 11	0 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	18,625 6 0 0 642 426 144 44 0 0 Q 4 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947 808 764 223	0 		147 50 15 35 94 47 4 10 3 2 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	
225180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility HVAC (f) Facility Lighting Other Facility Support	18,625 6 0 0 642 426 144 44 Q Q Q 4 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947 808 764 223	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		15 15 15 15 15 17 18 19 10 10 10 10 10 11 10 11 11 11 11 11 11	0 0 0 * * * * 0 0 0 * * * * * * 0 0 0 * * * * * * * * * * * * *	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	18,625 6 0 0 642 426 144 44 0 0 Q 4 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947 808 764 223	0 		147 50 15 35 94 47 4 10 3 2 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	
25180	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Basic Inorganic Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	18,625 6 0 0 642 426 144 44 0 0 Q 4 27,836 2,050 2,050 2,050 23,541 1,045 997 6,274 13,683 1,542 1,947 808 764 223 31	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 * * * * 0 0 0 * * * * * * 0 0 0 * * * * * * * * * * * * *	

325193	Ethyl Alcohol						
	TOTAL FUEL CONSUMPTION	13,699	0	*	353	*	
	Indirect Uses-Boiler Fuel	380	0	0	212	0	
	Conventional Boiler Use	380	0	0	117	0	
	CHP and/or Cogeneration Process		0	0	94	0	
	Direct Uses-Total Process	12,010	0	*	134	*	
	Process Heating	549	0	0	117	0	
	Process Cooling and Refrigeration	1,494	0	0	1	0	
	Machine Drive	9,608	0	*	1	*	
	Electro-Chemical Processes	196					
	Other Process Use	162	0	0	15	0	
	Direct Uses-Total Nonprocess	903	0	*	4	*	
	Facility HVAC (f)	381	0	0	3	*	
	Facility Lighting	373					
	Other Facility Support	129	0	*	1	*	
	Onsite Transportation	21		*	*	*	
	Conventional Electricity Generation		0	*	0	0	
	Other Nonprocess Use	0	0	*	*	0	
	End Use Not Reported	406	0	*	Q	*	
5194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals						
	TOTAL FUEL CONSUMPTION	3,124	0	*	23	*	
	Indirect Uses-Boiler Fuel	22	0	*	14	0	
	Conventional Boiler Use	22	0	*	6	0	
	CHP and/or Cogeneration Process		0	0	9	0	
			0	*	9	*	
	Direct Uses-Total Process	2,551				*	
	Process Heating	252	0	0 *	8		
	Process Cooling and Refrigeration	688	0		0	0	
	Machine Drive	1,514	0	*	0	0	
	Electro-Chemical Processes	97					
	Other Process Use	*	0	*	*	*	
	Direct Uses-Total Nonprocess	547	0	*	*	*	
	Facility HVAC (f)	271	0	*	*	*	
	Facility Lighting	152					
	Other Facility Support	121	0	0	*	*	
	Onsite Transportation	3		*	0	*	
	Conventional Electricity Generation		0	*	0	0	
					*		
	Other Nonprocess Use	0	0	0		0	
	End Use Not Reported	5	0	0	0	0	
5199	Other Basic Organic Chemicals						
	TOTAL FUEL CONSUMPTION	27,763	*	*	353	*	
			*	*		*	
	Indirect Uses-Boiler Fuel	242		*	223		
	Conventional Boiler Use	242	*		82	*	
	CHP and/or Cogeneration Process		0	*	141	*	
	Direct Uses-Total Process	24,447	0	*	124	*	
	Process Heating	767	0	*	85	*	
	Process Cooling and Refrigeration	3,758	0	0	4	*	
	Machine Drive	17,370	0	*	15	*	
	Electro-Chemical Processes	2,496					
	Other Process Use	56	0	*	20	*	
				*		*	
	Direct Uses-Total Nonprocess	2,886	0	*	6	*	
	Facility HVAC (f)	1,283	0		4		
	Facility Lighting	1,161					
	Other Facility Support	245	0	*	1	*	
	Onsite Transportation	99		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	99	0	*	Q	*	
	End Use Not Reported	187	0	*	*	*	
5211	Plastics Materials and Resins						
	TOTAL FUEL CONSUMPTION	39,470	*	*	365	*	
	Indirect Uses-Boiler Fuel	349	*	*	275	*	
	Conventional Boiler Use	349	*	*	25	*	
			*	*		*	
	CHP and/or Cogeneration Process		*	*	250	*	
		36,135			84	*	
	Direct Uses-Total Process						
	Process Heating	998	*	0	70		
		998 3,067	0	*	6	*	
	Process Heating						
	Process Heating Process Cooling and Refrigeration	3,067	0	*	6	*	
	Process Heating Process Cooling and Refrigeration Machine Drive	3,067 19,567	0	*	6 4	*	

Dii	rect Uses-Total Nonprocess	2,703	*	*	6	*	
	acility HVAC (f)	1,294	*	*	4	*	
	acility Lighting	1,032					
	Other Facility Support	296	0	*	2	*	
	Onsite Transportation	32		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	50	0	*	*	*	
	d Use Not Reported	283	0	0	*	*	
5212 S	ynthetic Rubber						
то	OTAL FUEL CONSUMPTION	1,428	0	*	18	*	
	direct Uses-Boiler Fuel	8	0	*	17	*	
	Conventional Boiler Use	8	0	*	8	0	
	CHP and/or Cogeneration Process		0	*	9	*	
	rect Uses-Total Process	1,014	0	*	1	*	
				*			
	Process Heating	96	0		1 *	0	
	Process Cooling and Refrigeration	241	0	0	*	0 *	
	Machine Drive	677	0				
	Electro-Chemical Processes	0					
	Other Process Use	0	0	*	*	0	
	rect Uses-Total Nonprocess	155	0	*	*	*	
	acility HVAC (f)	91	0	0	*	*	
F	acility Lighting	36					
0	Other Facility Support	22	0	0	*	0	
0	Onsite Transportation	2		*	0	*	
С	Conventional Electricity Generation		0	*	0	0	
	Other Nonprocess Use	4	0	*	*	*	
En	d Use Not Reported	251	0	*	0	*	
5220 A	Artificial and Synthetic Fibers and Filaments						
то	OTAL FUEL CONSUMPTION	3,405	*	*	13	*	
	direct Uses-Boiler Fuel	43	*	*	9	*	
	Conventional Boiler Use	43	*	*	4	*	
	CHP and/or Cogeneration Process		0	*	5	0	
	rect Uses-Total Process	2,790	*	*	4	*	
		393	*	*	3	*	
	Process Heating						
	rocess Cooling and Refrigeration	460	0	0	1 *	0 *	
	Aachine Drive	1,746	0				
	Electro-Chemical Processes	1					
	Other Process Use	189	0	0	*	*	
	rect Uses-Total Nonprocess	573	0	*	*	*	
	acility HVAC (f)	297	0	0	*	*	
F:	acility Lighting	202					
0	Other Facility Support	54	0	*	*	0	
0	Onsite Transportation	15		*	*	*	
С	Conventional Electricity Generation		0	*	0	0	
0	Other Nonprocess Use	4	0	*	0	*	
En	d Use Not Reported	0	0	0	*	*	
5311 N	litrogenous Fertilizers						
TO	OTAL FUEL CONSUMPTION	4,088	*	*	154	*	
Inc	direct Uses-Boiler Fuel	33	*	0	35	*	
	Conventional Boiler Use	33	0	0	12	0	
	CHP and/or Cogeneration Process		*	0	23	*	
	rect Uses-Total Process	3,248	0	*	111	*	
	Process Heating	226	0	*	100	*	
	Process Cooling and Refrigeration	243	0	*	*	0	
			0	*	3	0	
	Aachine Drive	2,665					
	Electro-Chemical Processes	67		*			
	Other Process Use	48	0	*	8 *		
	rect Uses-Total Nonprocess	520	0				
	acility HVAC (f)	223	0	0	*	*	
	acility Lighting	194					
	Other Facility Support	67	0	0	*	0	
0	Onsite Transportation	24		*	0	*	
С	Conventional Electricity Generation		0	*	0	0	
0	Other Nonprocess Use	12	0	*	0	0	
	nd Use Not Reported	286	0	0	7	*	
5312 P	Phosphatic Fertilizers						
τo	DTAL FUEL CONSUMPTION	3,810	*	*	24	*	
		2	*	*	3	*	
	direct Uses-Boiler Fuel					*	

	Conventional Bailes Has	2	0	0	1	0	0
	Conventional Boiler Use CHP and/or Cogeneration Process	2	0 *	0 *	1 2	0 *	0
	Direct Uses-Total Process	3,404	0	*	21	*	0
	Process Heating	13	0	0	21	*	0
	Process Cooling and Refrigeration	3	0	0	*	0	0
	Machine Drive	3,388	0	*	0	0	0
	Electro-Chemical Processes	0					
	Other Process Use	0	0	*	*	*	0
	Direct Uses-Total Nonprocess	346	0	*	*	*	0
	Facility HVAC (f)	167	0	0	*	*	0
	Facility Lighting	107					
	Other Facility Support	71	0	0	*	0	0
	Onsite Transportation	*		*	0	*	
	Conventional Electricity Generation		0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	End Use Not Reported	59	0	0	*	0	0
3254	Pharmaceuticals and Medicines						
3234	Pharmaceuticals and Medicines						
	TOTAL FUEL CONSUMPTION	11,460	0	*	49	*	*
	Indirect Uses-Boiler Fuel	263	0	*	35	*	*
	Conventional Boiler Use	263	0	*	17	*	*
	CHP and/or Cogeneration Process		0	*	19	*	*
	Direct Uses-Total Process	5,488	0	*	5	*	0
	Process Heating	317	0	*	4	*	0
	Process Cooling and Refrigeration	1,886	0	*	*	0	0
	Machine Drive	3,042	0	*	*	*	0
	Electro-Chemical Processes	12					
	Other Process Use	232	0	*	1	*	0
	Direct Uses-Total Nonprocess	5,613	0	*	8	*	*
	Facility HVAC (f)	3,707	0	*	7	*	*
	Facility Lighting	1,438					
	Other Facility Support	381	0	*	1	*	0
	Onsite Transportation	70		*	*	*	
	Conventional Electricity Generation		0	*	*	*	0
	Other Nonprocess Use	17 95	0	*	*	0	0
	End Use Not Reported	53				<u> </u>	
325412	Pharmaceutical Preparation						
325412							
325412	TOTAL FUEL CONSUMPTION	5,754	0	*	21	*	*
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	126	0	*	13	*	*
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use		0	*	13 8	*	*
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	126 126	0 0 0	*	13 8 5	*	*
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	126 126 2,863	0 0 0	* * *	13 8 5	* * *	0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	126 126 2,863 217	0 0 0 0	*	13 8 5 3 2	*	0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	126 126 2,863 217 842	0 0 0 0 0	* * *	13 8 5	* * *	0 0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	126 126 2,863 217 842 1,660	0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2 *	* * * * * * 0 *	0 0 0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	126 126 2,863 217 842 1,660 6	0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2	* * * * 0	0 0 0 0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	126 126 2,863 217 842 1,660 6	0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2 * *	* * * * * * 0 *	0 0 0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	126 126 2,863 217 842 1,660 6 138 2,669	0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2 * * 1 4	* * * * 0 *	0 0 0 0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	126 126 2,863 217 842 1,660 6	0 0 0 0 0 0 0 0	*	13 8 5 3 2 * *	* * * * * * * * * * * * *	0 0 0 0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	126 126 2,863 217 842 1,660 6 138 2,669	0 0 0 0 0 0 0 0 0	*	13 8 5 3 2 * * 1 4 4	* * * * * * * * * * * * *	0 0 0 0 0 *
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	126 126 2,863 217 842 1,660 6 138 2,669 1,740 646	0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2 * * 	* * * * 0 * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	126 126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229	0 0 0 0 0 0 0 0 0 0 0 0	*	13 8 5 3 2 * * 	* * * * 0 * * * * * * * * *	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	126 126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50	0 0 0 0 0 0 0 0 0 0 0		13 8 5 3 2 * * 	* * * * 0 * * * * * * * * *	0 0 0 0 0 **
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50	0 0 0 0 0 0 0 0 0 0 0 0 0		13 8 5 3 2 * *	* * * * 0 * * * * * * * * *	0 0 0 0 0 **
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5	0 0 0 0 0 0 0 0 0 0 0 0 0		13 8 5 3 2 * * * 1 4 4 * *	* * * 0 * * * * * * * * * *	0 0 0 0 0 0 *
325412	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0		13 8 5 3 2 * * * 1 4 4 * *	* * * 0 * * * * * * * * * *	0 0 0 0 0 0 *
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals	126 126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95	0 0 0 0 0 0 0 0 0 0 0 0 0 0		13 8 5 3 2 * * * 1 4 4 4 * * *	* * * 0 * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals	126 126 126 126 127 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2 * * 1 4 4 4 4 * * * * 4 4 4 4 4 4 4	* * * * 0 * * * * * 0 0 * *	0 0 0 0 0 0 0 * *
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2 * * 1 4 4 4 * * * 4 4 2	* * * 0 * * * 0 * * 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	126 126 126 126 127 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	13 8 5 3 2 * * 1 4 4 * * * * 4 4 4 4 * *	* * * 0 * * * 0 * * 0 * * *	0 0 0 0 0 0 0 * * 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * *	13 8 5 3 2 * * 1 4 4 4 * * * 4 4 2	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	126 126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * 1 4 4 * * 4 1 1 1 1 1 1 1 1 1 1 1 1	* * * * 0 * * * * 0 * * * *	0 0 0 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility LyAC (f) Facility LyAC (f) Facility Electro-Chemical Process Facility HVAC (f) Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	126 126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * 1 4 4 * * * 1 1 1 1 1	* * * * 0 * * * * 0 * * 0 * *	0 0 0 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	126 126 126 126 126 127 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95 95 95 16 16 16 16 615	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * * 11 4 4 4 * * * * * 1 1 1 1 1	* * * * 0 * * * * * * * * *	0 0 0 0 0 0 0 1 * * * * 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	126 126 126 126 126 126 127 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95 95 95 16 16 16 615 48	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * 1 4 4 * * * 1 1 1 1 0	* * * * 0 * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95 95 95 95 48 149	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * * 11 4 4 4 * * * 1 1 1 1 1 0 *	* * * * * * * * * * * * *	0 0 0 0 0 0 0 * * * * 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	126 126 126 126 126 127 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95 95 95 16 16 16 615 48 149 339	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * * * * * * * * * * * * * * * * *	* * * * 0 * * * 0 * * * 0 * *	0 0 0 0 0 0 0 * * * 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	126 126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95 95 95 16 16 16 615 48 149 339 45	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	126 126 126 126 126 126 127 842 1,660 6 138 2,669 1,740 646 229 50 5 95 95 95 16 16 16 615 48 149 339 45 34 361 186	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * * * 11 4 4 4 * * * * 1 1 1 1 0 * * * * * * * * * * *	* * * * 0 * * * * 0 * * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Photographic Film, Paper, Plate, and Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	126 126 126 2,863 217 842 1,660 6 138 2,669 1,740 646 229 50 5 95 95 95 16 16 16 615 48 149 339 45 34 361 186	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * *	13 8 5 3 2 * * * * * * * * * * * * * * * * * *	* * * * 0 * * * * 0 * * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	19	0	*	*	0	
	End Use Not Reported	1	0	0	*	*	
 !6	PLASTICS AND RUBBER PRODUCTS						
	TOTAL FUEL CONSUMPTION	55,967	0	Q *	87	1 *	
	Indirect Uses-Boiler Fuel	272	0	*	41	*	
	Conventional Boiler Use CHP and/or Cogeneration Process	272	0	0	20 21	*	
	Direct Uses-Total Process	42,762	0	*	24	*	
	Process Heating	8,647	0	*	22	*	
	Process Cooling and Refrigeration	4,355	0	0	*	0	
	Machine Drive	28,841	0	*	1	*	
	Electro-Chemical Processes	Q					
	Other Process Use	Q	0	0	*	*	
	Direct Uses-Total Nonprocess	12,507	0	Q	21	1	
	Facility HVAC (f)	5,487	0	*	20	*	
	Facility Lighting	5,125					
	Other Facility Support	1,239	0	*	1 *	*	
	Onsite Transportation	233		*		1	
	Conventional Electricity Generation		0	*	0 *	0 *	
	Other Nonprocess Use End Use Not Reported	Q Q	0	*		*	
	LIM OJE NOU NEPOLEU	3	U		<u>~</u>		
	NONMETALLIC MINERAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	37,841	*	3	324	1	
	Indirect Uses-Boiler Fuel	319	*	*	13	*	
	Conventional Boiler Use	319	0	*	2	*	
	CHP and/or Cogeneration Process		*	*	11	*	
	Direct Uses-Total Process	30,950	*	1	270	*	
	Process Heating	9,065	*	*	258	*	
	Process Cooling and Refrigeration	1,395	0	0	2	*	
	Machine Drive	19,079	0	1	7	*	
	Electro-Chemical Processes	636					
	Other Process Use	774	0	*	3	*	
	Direct Uses-Total Nonprocess	4,840 2,323	*	2 *	20 18	*	
	Facility HVAC (f) Facility Lighting	1,775			10		
	Other Facility Support	550	0	*	1	*	
	Onsite Transportation	136		1	*	*	
	Conventional Electricity Generation		0	*	*	*	
	Other Nonprocess Use	57	0	*	*	*	
	End Use Not Reported	Q	0	*	Q	*	
27120	Clay Building Material and Refractories						
	TOTAL FUEL CONSUMPTION	1,502	*	*	34	*	
	Indirect Uses-Boiler Fuel Conventional Boiler Use	6	0	0 0	1 *	0	
	CHP and/or Cogeneration Process		0	0	1	0	
	Direct Uses-Total Process	1,237	*	*	31	*	
	Process Heating	329	*	*	31	*	
	Process Cooling and Refrigeration	25	0	0	0	0	
	Machine Drive		0	*	*	*	
		846					
	Electro-Chemical Processes	*					
				*	*	*	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	* 37 257	 0 0	*	2	*	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	* 37 257 95	0	*	*		
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	* 37 257 95 125	 0 0 0	* * *	* 2 1	*	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	* 37 257 95 125 32	0 0 0 0	* * * * * * * * * * * * * * * * * * * *	* 2 1	*	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	* 37 257 95 125 32 5	 0 0 0	* * * * * * * * * * * * * * * * * * * *	* 2 1	*	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	* 37 257 95 125 32 5	 0 0 0 0	* * * 0 * *	* 2 1	*	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	* 37 257 95 125 32 5	 0 0 0	* * * * * * * * * * * * * * * * * * * *	* 2 1	*	
7211	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	* 37 257 95 125 32 5 *	 0 0 0 0 0	* * * * 0 * * * * * * * * * * * * *	* 2 1 * * * * * * *	* * * * * * * * * * *	
7211	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Flat Glass	* 37 257 95 125 32 5 * 3	 0 0 0 0 0	* * * 0	* 2 1	* * * * * * * * * * * * * * * * * * * *	
7211	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Flat Glass TOTAL FUEL CONSUMPTION	* 37 257 95 125 32 5 * 3 1,658	 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	* 2 1 1 * * * * 1 1 1 45	* * * * * * * * * * * * * * * * * * * *	
7211	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Flat Glass TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	* 37 257 95 125 32 5 * 3 1,658	 0 0 0 0 0 0 0 0	* * * 0	* 2 1 1 * * * * * 1 1 45 * *	* * * * * 0 * 0 *	
7211	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Flat Glass TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	* 37 257 95 125 32 5 * 3 3 1,658 28	 0 0 0 0 0 0 0	* * * 0 * * * 0 0 * 0 0 0 0	* 2 1 1 * * * * * * 1 1 45 * * * * *	* * * * 0 * 0 0 0	
7211	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Flat Glass TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	* 37 257 95 125 32 5 * 3 1,658 28 28		* * * 0	* 2 1 * * * * 1 * * 45 * * 0	* * * * 0 * 0 1 1 1 1 1 1 1 1 1 1 1 1	
7211	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Flat Glass TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	* 37 257 95 125 32 5 * 3 3 1,658 28	 0 0 0 0 0 0 0	* * 0 * * * 0 0 * * 0 0 0 0	* 2 1 1 * * * * * * 1 1 45 * * * * *	* * * * * 0 * 0 0 0 0	

	Machine Drive	542	0	*	2	0	
	Electro-Chemical Processes	12					
	Other Process Use	61	0	*	1	*	
	Direct Uses-Total Nonprocess	189	0	*	1	*	
				*		*	
	Facility HVAC (f)	79	0		1		
	Facility Lighting	74					
	Other Facility Support	21	0	0	*	*	
	Onsite Transportation	16		*	0	*	
	Conventional Electricity Generation		0	*	0	0	
	Other Nonprocess Use	0	0	*	0	0	
		63	0	*	2	*	
	End Use Not Reported	03			Z		
327212	Other Pressed and Blown Glass and Glassware						
	TOTAL FUEL CONSUMPTION	2,237	0	*	24	*	
	Indirect Uses-Boiler Fuel	101	0	*	3	0	
			0	*	*	0	
	Conventional Boiler Use	101		*			
	CHP and/or Cogeneration Process		0		2	0	
	Direct Uses-Total Process	1,789	0	*	20	*	
	Process Heating	939	0	*	18	*	
	Process Cooling and Refrigeration	215	0	0	*	0	
		614	0	*	1	*	
	Machine Drive						
	Electro-Chemical Processes	2					
	Other Process Use	20	0	*	1	*	
	Direct Uses-Total Nonprocess	347	0	*	1	*	
	Facility HVAC (f)	180	0	0	1	*	
	Facility Lighting	119					
	Other Facility Support	35	0	0	*	0	
	Onsite Transportation	13		*	*	*	
	Conventional Electricity Generation		0	*	0	0	
	Other Nonprocess Use	0	0	*	0	*	
	End Use Not Reported	0	0	0	0	*	
327213	Glass Containers						
	TOTAL FUEL CONSUMPTION	3,544	0	*	45	*	
	Indirect Uses-Boiler Fuel	1	0	0	*	*	
					*		
	Conventional Boiler Use	1	0	0		0	
	CHP and/or Cogeneration Process		0	0	*	*	
	Direct Uses-Total Process	3,137	0	*	42	*	
	Process Heating	1,307	0	*	41	*	
	Process Cooling and Refrigeration	86	0	0	*	0	
				*		*	
	Machine Drive	1,730	0		1		
	Electro-Chemical Processes	0					
	Other Process Use	15	0	*	0	0	
	Direct Uses-Total Nonprocess	406	0	*	2	*	
	Facility HVAC (f)	186	0	*	2	*	
	Facility Lighting	171					
	Other Facility Support	48	0	0	*	*	
	Onsite Transportation	2		*	0	*	
	Conventional Electricity Generation		0	*	0	0	
	Other Nonprocess Use	0	0	*	0	0	
	End Use Not Reported	0	0	0	0	*	
327215	Glass Products from Purchased Glass						
	TOTAL FUEL CONSUMPTION	3,350	*	*	11	*	
	Indirect Uses-Boiler Fuel	47	*	*	1	*	
	Conventional Boiler Use	47	0	0	*	*	
			*	 *		*	
	CHP and/or Cogeneration Process				1		
	Direct Uses-Total Process	2,502	0	*	8	*	
	Process Heating	1,281	0	0	7	*	
	Process Cooling and Refrigeration	145	0	0	*	0	
	Machine Drive	993	0	*	*	*	
	Electro-Chemical Processes						
		3		*	*	*	
	Other Process Use	80	0				
	Direct Uses-Total Nonprocess	597	0	*	2	*	
	Facility HVAC (f)	283	0	0	2	*	
	Facility Lighting	208					
		81	0	0	*	*	
	Other Facility Support						
	Onsite Transportation	19		*	*	*	
	Conventional Electricity Generation		0	*	*	*	
	Other Nonprocess Use	6	0	*	*	*	
	End Use Not Reported	204	0	*	*	*	
327310	Cements						

	TOTAL FUEL CONSUMPTION	11,180	*	1	20	*	7
	Indirect Uses-Boiler Fuel	6	0	0	*	0	*
	Conventional Boiler Use	6	0	0	0	0	0
					*		*
	CHP and/or Cogeneration Process		0	0		0	
	Direct Uses-Total Process	10,518	*	*	20	*	7
	Process Heating	1,942	*	*	19	*	7
	Process Cooling and Refrigeration	525	0	0	*	*	0
	Machine Drive	7,867	0	*	*	*	*
	Electro-Chemical Processes	*					
	Other Process Use	184	0	*	0	*	0
	Direct Uses-Total Nonprocess	550	0	*	*	*	0
	Facility HVAC (f)	280	0	*	*	*	0
	Facility Lighting	166					
	Other Facility Support	50	0	0	*	*	0
	Onsite Transportation	25		*	0	*	
	Conventional Electricity Generation		0	*	0	0	0
	Other Nonprocess Use	28	0	*	0	*	0
				*	*	*	
	End Use Not Reported	105	0				0
327410	Lime						
	TOTAL FUEL CONSUMPTION	1,481	0	*	6	*	3
		6	0	0	0	0	0
	Indirect Uses-Boiler Fuel						
	Conventional Boiler Use	6	0	0	0	0	0
	CHP and/or Cogeneration Process		0	0	0	0	0
	Direct Uses-Total Process	1,350	0	*	6	*	3
	Process Heating	266	0	*	6	*	3
		2	0		0	0	
	Process Cooling and Refrigeration			0			0
	Machine Drive	1,059	0	*	0	*	0
	Electro-Chemical Processes	0					
	Other Process Use	23	0	*	0	*	0
	Direct Uses-Total Nonprocess	124	0	*	*	*	0
		63	0	0	*	*	0
	Facility HVAC (f)						
	Facility Lighting	52					 .
	Other Facility Support	9	0	0	*	0	0
	Onsite Transportation	1		*	0	*	
	Conventional Electricity Generation		0	0	0	0	0
			0	0	0	0	
	Other Nonprocess Use	0					0
	End Use Not Reported	1	0	*	0	*	0
327420	Gypsum						
327420	Gypsum						
327420		1 406	0	*	46	*	
327420	TOTAL FUEL CONSUMPTION	1,406	0		46		0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	2	0	*	1	0	0
327420	TOTAL FUEL CONSUMPTION				1 *		
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	2	0	*	1	0	0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	2	0 0 0	*	1 *	0	0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	2 2 1,162	0 0 0	* * 0	1 * *	0 0 0	0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	2 2 1,162 113	0 0 0 0	* * 0	1 * * 44 42	0 0 0 0	0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	2 2 1,162 113 25	0 0 0 0 0	* * 0 * * 0	1 * * 44 42 0	0 0 0 0 0	0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	2 2 1,162 113	0 0 0 0	* * 0	1 * * 44 42	0 0 0 0	0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	2 2 1,162 113 25	0 0 0 0 0	* * 0 * * 0	1 * * 44 42 0	0 0 0 0 0	0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	2 2 1,162 113 25 1,025	0 0 0 0 0 0	* * 0 * * 0 * *	1 * * 44 42 0 2	0 0 0 0 0 0	0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	2 2 1,162 113 25 1,025 0	0 0 0 0 0 0 0	* * 0 * 0 *	1 * * 44 42 0 2 0	0 0 0 0 0 0	0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	2 2 1,162 113 25 1,025 0 0	0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * * *	1 * * 44 42 0 0 2 0 2	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	2 2 1,162 113 25 1,025 0 0 0 241	0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * *	1 * * 44 42 0 2 0 2 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	2 2 	0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * * *	1 * * 44 42 0 0 2 2 0 0 2 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	2 2 1,162 113 25 1,025 0 0 0 241	0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * *	1 * * 44 42 0 2 0 2 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	2 2 	0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * * *	1 * * 44 42 0 0 2 2 0 0 2 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	2 2 2	0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * 0 * * * * * * * * * *	1 * * * 44 42 0 0 2 2 0 0 2 1 1 *	0 0 0 0 0 0 0 0 0 *	0 0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	2 2 1,162 113 25 1,025 0 0 241 77 107 54 4	0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * * 0	1 * * * 44 42 00 22 00 2 1 1 * * 00 * *	0 0 0 0 0 0 0 0 * *	0 0 0 0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	2 2 2 1,162 113 25 1,025 0 0 241 77 107 54 4 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * 0 * * 0 0	1 * * 44 42 0 2 0 2 1 0 2 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	2 2 1,162 113 25 1,025 0 0 241 77 107 54 4	0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * * 0	1 * * * 44 42 00 22 00 2 1 1 * * 00 * *	0 0 0 0 0 0 0 0 * *	0 0 0 0 0 0 0 0 0 0 0 0
327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	2 2 2 1,162 113 25 1,025 0 0 241 77 107 54 4 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * 0 * * 0 0	1 * * 44 42 0 2 0 2 1 0 2 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0 0
327420 327420	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	2 2 2 1,162 113 25 1,025 0 0 241 77 107 54 4 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * 0 * * 0 0	1 * * 44 42 0 2 0 2 1 0 2 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	2 2 2 1,162 113 25 1,025 0 0 241 77 107 54 4 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * 0 * * 0 0	1 * * 44 42 0 2 0 2 1 0 2 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool	2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 * * * 0 * * 0 0	1 * * 44 42 0 2 0 2 0 2 1 * 0 0 0 0	0 0 0 0 0 0 0 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool	2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * 1 4 0 4 0 0 0 0 1 *	1 * * * 44 44 42 00 2 2 00 2 1 1 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 ** * * 0	0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	2 2 2 1,162 113 25 1,025 0 0 241 77 107 54 4 0 0 3,207	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * 1 0 * 1 0 0 0 0 1 * * * * * * * * * * * *	1 * * * 44 44 42 0 0 2 2 0 0 2 1 1 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool	2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * 0 0 1 1 1 1 1 1 1 1 1 1 1	1 * * 44 42 0 0 2 0 2 1 0 0 2 1 2 1 * 0 2 2 1 * 0 2 1 * 0 0 * 0 0 0	0 0 0 0 0 0 0 0 ** * * 0	0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	2 2 2 1,162 113 25 1,025 0 0 241 77 107 54 4 0 0 3,207	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * 1 0 * 1 0 0 0 0 1 * * * * * * * * * * * *	1 * * * 44 44 42 0 0 2 2 0 0 2 1 1 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	2 2 2 1,162 113 25 1,025 0 0 0 241 77 107 54 4 0 0 3,207 54 54	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * 0 0 1 1 1 1 1 1 1 1 1 1 1	1 * * 44 42 0 0 2 0 2 1 0 0 2 1 2 1 * 0 2 2 1 * 0 2 1 * 0 0 * 0 0 0	0 0 0 0 0 0 0 0 0 0 * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	2 2 2 1,162 113 25 1,025 0 0 0 241 77 107 54 4 0 0 3,207 54 54 54 2,686	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * 0 0 * * 0 0 0	1 * * 44 42 0 0 2 0 2 1 * 0 0 2 1 * * 0 2 1 * 1 1 * 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 * * * * 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	2 2 2 1,162 113 25 1,025 0 0 0 241 77 107 54 4 0 0 0 3,207 54 54 54 2,686 1,338	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * 0 0 * * 0 0 0	1	0 0 0 0 0 0 0 0 0 * * * * 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	2 2 2 1,162 113 25 1,025 0 0 0 241 777 107 54 4 0 0 0 3,207 54 54 2,686 1,338 96	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * * 0 0 0 0 0 0	1 * * 44 42 0 2 0 2 1 * 0 0 2 1 * 0 0 2 1 * 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 * * * * 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * 0 0 * * 0 0 0	1	0 0 0 0 0 0 0 0 0 * * * * 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	2 2 2 1,162 113 25 1,025 0 0 0 241 777 107 54 4 0 0 0 3,207 54 54 2,686 1,338 96	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * * 0 0 0 0 0 0	1 * * 44 42 0 2 0 2 1 * 0 0 2 1 * 0 0 2 1 * 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 * * * * 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * 0 * * * 0 0 0 0 0 0	1	0 0 0 0 0 0 0 0 * * * * 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 5 6 5 4 1,077 4 5 4 5 4 1,077 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 5 4 5 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * * 0 0 * * * 0 0 0	1 * * * 44 44 42 0 0 2 2 0 0 2 2 1 1 * * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 * * * * 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 0 * * * 0 0	1 * * 44 42 0 0 2 0 2 1 0 0 2 1 * 0 0 2 1 1 * 1 1 2	0 0 0 0 0 0 0 0 0 0 * * * * 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Mineral Wool TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 5 6 5 4 1,077 4 5 4 5 4 1,077 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 5 4 5 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 * * 0 * * 0 0 0 0 0 0	1 * * * 44 44 42 0 0 2 2 0 0 2 2 1 1 * * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 * * * * 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	F. 19. 11.1.1	163					
	Facility Lighting	163		*	*		
	Other Facility Support	30	0	*	*	*	0
	Onsite Transportation	2		*			
	Conventional Electricity Generation		0		0	0	0
	Other Nonprocess Use	12	0	*	*	*	C
	End Use Not Reported	118	0	0	*	*	0
331	PRIMARY METALS						
	TOTAL FUEL CONSUMPTION	138,437	*	1	625	1	
	Indirect Uses-Boiler Fuel	621	*	*	83	*	
	Conventional Boiler Use	621	*	*	22	*	
		021	*	*		*	
	CHP and/or Cogeneration Process		*	*	61	*	
	Direct Uses-Total Process	118,803	*	*	490	*	1
	Process Heating	47,292		*	439		
	Process Cooling and Refrigeration	1,962	0		5	*	
	Machine Drive	37,159	*	*	11	*	
	Electro-Chemical Processes	30,335					
	Other Process Use	2,055	0	*	35	*	
	Direct Uses-Total Nonprocess	16,414	*	1	46	*	
	Facility HVAC (f)	8,359	*	*	38	*	(
	Facility Lighting	5,890					-
	Other Facility Support	1,584	0	*	6	*	(
	Onsite Transportation	216		1	1	*	
	Conventional Electricity Generation		0	*	*	*	
	Other Nonprocess Use	364	0	*	1	*	
	End Use Not Reported	2,599	*	*	6	*	
331110	Iron and Steel Mills and Ferroalloys						
	TOTAL FUEL CONSUMPTION	64,471	*	1	390	*	1
	Indirect Uses-Boiler Fuel	341	*	0	44	*	
			*	0			
	Conventional Boiler Use	341	*		14	0 *	
	CHP and/or Cogeneration Process			0	30	*	
	Direct Uses-Total Process	57,120	0		324		1
	Process Heating	32,077	0	*	283	*	
	Process Cooling and Refrigeration	1,005	0	0	5	*	C
	Machine Drive	21,695	0	*	3	*	0
	Electro-Chemical Processes	1,491					
	Other Process Use	852	0	*	33	*	*
	Direct Uses-Total Nonprocess	4,672	0	1	18	*	(
	Facility HVAC (f)	1,522	0	*	14	*	C
	Facility Lighting	2,207					-
	Other Facility Support	706	0	0	4	*	(
	Onsite Transportation	138		1	*	*	-
	Conventional Electricity Generation		0	*	0	*	
	Other Nonprocess Use	99	0	*	1	*	
	End Use Not Reported	2,337	*	*	4	*	(
	End Got Not Reported						
3312	Steel Products from Purchased Steel						
	TOTAL FUEL CONSUMPTION	6,565	0	*	26	*	C
	Indirect Uses-Boiler Fuel	20	0	*	3	*	(
	Conventional Boiler Use	20	0	0	2	0	(
	CHP and/or Cogeneration Process		0	*	1	*	(
	Direct Uses-Total Process	5,645	0	*	19	*	
	Process Heating	1,665	0	*	17	*	
	Process Cooling and Refrigeration	150	0	*	*	0	
			0	*		*	
	Machine Drive	3,775			Q		
	Electro-Chemical Processes	23		*	*	*	
	Other Process Use	33	0	*		*	(
	Direct Uses-Total Nonprocess	888	0	*	4	*	
	Facility HVAC (f)	352	0		3		
	Facility Lighting	416					
	Other Facility Support	94	0	0	*	*	
	Onsite Transportation	16		*	*	*	
	Conventional Electricity Generation		0	*	*	*	
	Other Nonprocess Use	Q 12	0	0	*	*	(
	End Use Not Reported	12	0		*		
3313	Alumina and Aluminum						
	TOTAL FUEL CONCURRATION	44 407	*	*	114	*	
	TOTAL FUEL CONSUMPTION	41,107	*		114	*	
	Indirect Uses-Boiler Fuel	117		0	26		
	Conventional Boiler Use	117	*	0	2	*	0
	CHP and/or Cogeneration Process		0	0	24	*	0

Machine Content Cont		Direct Uses-Total Process	33,837	*	*	78	*	
Process Ceathley and Prignaratien 199 0 1 1 1 1 1 1 1 1 1								
Machine Drive Machine Drive Machine Drive Machine Drives Machine								
Retail Camerical Processes					*	E		
Direct trace to Mempreces 130 0 1 7 7 7 7 7 7 7 7 7								
Disect States Facility Lighting								
Active year 1					*			
Particular Marche March March								
Other Facility Support Oxists Transportation 7								
Orule Transportation								
Conventional Professing Alloring of Aluminum 100 1								
Other Neuronics Used Section 100 64 0 1 0 Find Use Not Reported 103 0 1 2 2 331314 Secondary Snettling and Alloying of Aluminum 103 0 1 0								
### ### ### ### ### ### ### ### ### ##								
TOTAL FUEL CONSUMPTION		cia ose not reportea	103					
TOTAL FUEL CONSUMPTION	331314	Secondary Smelting and Alloving of Aluminum						
Marliest Uber-Polite First								
Convention Relatifue		TOTAL FUEL CONSUMPTION	847	0	*	16	*	
CPP and/ar Cageneration Process		Indirect Uses-Boiler Fuel	*	0	0	*	0	
Direct User-Total Process 576		Conventional Boiler Use	*	0	0	*	0	
Direct User-Total Process Framework Framework Process Conding and Refrigeration 200 0 0 1 14 14 14 14 14 15 15 15				0	0	*	0	
Process Cooling and Refrigeration 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						14		
Process Coming and defigeration								
Machine Drive 426 0								
Blectro Chamical Process 3								
Other Process Use 18 0 * 0 * Direct Uses-Total Norprocess 162 0 * 1 * Facility HVAC (I) 59 0 * 1 * Gold Process Use 18 - - - - Other Facility Support 19 0 0 * 0 0 Conventional Electricity Generation - 0 0 * 0 0 * Other Nonprocess Use - 0 0 1 * 0 * 0 0 1 * 0 0 1 * 0 0 1 * 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 0 0 0 0 0								
Direct Uses-Total Nonprocess 152								
Facility PVAC (1)								
Resembly Lighting								
Other Facility Support 19 0 0 4 0 2 0 4 0 4 2 0 4 0 2 0 4 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 2 0					*	1	*	
Onsite Transportation 2 * 0 * 0 0 * 0								
Conventional Electricity Generation		Other Facility Support	19	0	0	*	0	
Cheen Chee		Onsite Transportation	2		*	0	*	
Find Use Not Reported		Conventional Electricity Generation		0	*	*	0	
Martine Sheet, Plate and Folis		Other Nonprocess Use	*	0	*	0	*	
TOTAL FUEL CONSUMPTION 4,504 * 44 * Indirect Uses-Boiler Fuel 1 0 0 2 0 Conventional Boiler Use 1 0 0 2 0 CHP and/or Cogeneration Process - 0 0 2 0 Direct Uses-Total Process 3,929 * * 37 * Process Cooling and Refrigeration 58 0 * * 0 Machine Drive 3,078 0 * * 0 Electro-Chemical Processes 12 - - - 0 Electro-Chemical Processes 13 0 0 * * 0 Electro-Chemical Processes 13 0 0 * * * Other Process Use 13 0 0 4 0 Facility Hyac (f) 268 0 0 4 0 Facility Hyac (f) 268 0 0 1 *<		End Use Not Reported	6	0	0	1	*	
TOTAL FUEL CONSUMPTION 4,504 * 444 * Indirect Uses-Boiler Fuel 1 0 0 2 0 Conventional Boiler Use 1 0 0 2 0 CHP analyor Cogeneration Process 3,929 * * 37 * Direct Uses-Total Process 3,929 * * 37 * Process Cooling and Refrigeration 58 0 * * 0 Machine Drive 3,078 0 * * 0 Electro-Chemical Processes 12 - - - - - Other Process Use 13 0 0 * * * - Direct Uses-Total Nonprocess 573 0 * 5 * * Facility HAC (f) 268 0 0 4 0 * Facility HAC (f) 268 0 0 1 * * Other Facility Support <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>								
Indirect Uses-Boller Fuel	331315	Aluminum Sheet, Plate and Foils						
Indirect Uses-Boller Fuel								
Conventional Boiler Use 1 0 0 2 0 CHP and/or Cogeneration Process 3,929 * * 3,7 * Process Heating 768 * 0 33 * Process Scooling and Refrigeration 58 0 * * 0 Machine Drive 3,078 0 * 3 0 Electro-Chemical Processes 12 * * * * * Other Process Use 13 0 0 * * * Direct User-Total Nonprocess 573 0 * * * * Eacility LyBchfig 225 * </td <td></td> <td>TOTAL FUEL CONSUMPTION</td> <td>4,504</td> <td>*</td> <td>*</td> <td>44</td> <td>*</td> <td></td>		TOTAL FUEL CONSUMPTION	4,504	*	*	44	*	
CHP and/or Cogeneration Process 0 0 1 0		Indirect Uses-Boiler Fuel	1	0	0	2	0	
Direct Uses-Total Process 3,929 * * 37 * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * * 37 * * * 37 * * * 37 * * * 37 * 37 *		Conventional Boiler Use	1	0	0	2	0	
Process Fleating 768		CHP and/or Cogeneration Process		0	0	*	0	
Process Cooling and Refrigeration		Direct Uses-Total Process	3,929	*	*	37	*	
Machine Drive 3,078 0		Process Heating	768	*	0	33	*	
Machine Drive 3,078 0		Process Cooling and Refrigeration	58	0	*	*	0	
Electro-Chemical Processes				0	*	3		
Other Process Use								
Direct Uses-Total Nonprocess 573 0 * 5 *		Flectro-Chemical Processes					0	
Facility HVAC (f) 268 0 0 4 0			12				0	
Facility Lighting 225		Other Process Use	12 13	 0	0	*	0	
Other Facility Support 70 0 1 * Onsite Transportation 2 * * Conventional Electricity Generation 0 0 0 0 Other Nonprocess Use 7 0 * 0 0 End Use Not Reported 0 0 0 0 0 31318 Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION 1,744 * * 13 * Indirect Uses-Boiler Fuel 24 0 0 1 * Conventional Boiler Use 24 0 0 1 * CHP and/or Cogeneration Process - 0 0 * + Direct Uses-Total Process 1,301 0 * 11 * Process Heating 325 0 0 1 * Process Cooling and Refrigeration 65 0 0 * 1 Machine Drive 862		Other Process Use Direct Uses-Total Nonprocess	12 13 573	 0 0	0	 * 5	0 *	
Onsite Transportation 2 * * Conventional Electricity Generation 0 0 0 0 Other Nonprocess Use 7 0 * 0 0 End Use Not Reported 0 0 0 0 331318 Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION 1,744 * * 13 * Indirect Uses-Boiler Fuel 24 0 0 1 * Conventional Boiler Use 24 0 0 1 * CHP and/or Cogeneration Process 24 0 0 1 * Direct Uses-Total Process 1,301 0 0 1 * Process Heating 325 0 0 1 * Process Cooling and Refrigeration 65 0 0 1 * Machine Drive 862 0 2 1 * * Electro-Chemical Process U		Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	12 13 573 268	0 0 0	0 *	* 5	0 * *	
Conventional Electricity Generation - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	12 13 573 268 225	0 0	0 *	 * 5 4	0 * * 0	
Other Nonprocess Use 7 0 * 0 0 End Use Not Reported 0 0 0 0 0 31318 Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION 1,744 * * 13 * Indirect Uses-Boiler Fuel 24 0 0 1 * Conventional Boiler Use 24 0 0 1 * CHP and/or Cogeneration Process - 0 0 * * CHP and/or Cogeneration Process 1,301 0 * * * Direct Uses-Total Process 1,301 0 * 11 * Process Heating 325 0 0 10 * Process Cooling and Refrigeration 65 0 0 1 0 Machine Drive 862 0 * * 1 Electro-Chemical Processes 39 - - - - Other Pr		Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	12 13 573 268 225 70	0 0 0 0	0 * 0 0	 * 5 4 	0	
Find Use Not Reported 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	12 13 573 268 225 70	0 0 0 0	0 * 0 0 *	* 5 4 1 *	0	
TOTAL FUEL CONSUMPTION		Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	12 13 573 268 225 70 2	 0 0 0 0	0 * 0 0 *	* 5 4 1 * 0	0 * * 0 *	
TOTAL FUEL CONSUMPTION 1,744 * * 13 * 1 Indirect Uses-Boiler Fuel 24 0 0 1 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1		Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	12 13 573 268 225 70 2 7	 0 0 0 0 0	0 * 0 0 *	 * 5 4 1 1 * 0	0 * * 0 - * *	
TOTAL FUEL CONSUMPTION 1,744 * * 13 * 1 Indirect Uses-Boiler Fuel 24 0 0 1 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1		Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	12 13 573 268 225 70 2 7	 0 0 0 0 0	0 * 0 0 *	 * 5 4 1 1 * 0	0 * * 0 - * *	
Indirect Uses-Boiler Fuel	31219	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	12 13 573 268 225 70 2 7	 0 0 0 0 0	0 * 0 0 *	 * 5 4 1 1 * 0	0 * * 0 - * *	
Indirect Uses-Boiler Fuel	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	12 13 573 268 225 70 2 7	 0 0 0 0 0	0 * 0 0 *	 * 5 4 1 1 * 0	0 * * 0 - * *	
Conventional Boiler Use	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding	12 13 573 268 225 70 2 7	 0 0 0 0 0 0	0 * 0 0 * 0 *		0 * * 0 *	
CHP and/or Cogeneration Process 0 0 0 * * * * Direct Uses-Total Process 1,301 0 * 11 * Process Heating 325 0 0 10 * * 0 Process Cooling and Refrigeration 65 0 0 0 * * 0 Machine Drive 862 0 * * * * * Electro-Chemical Processes 39 Other Process Use 9 0 * * * * * Direct Uses-Total Nonprocess 322 * * 1 1 * Facility HVAC (f) 134 * * 1 1 * Facility Lighting 154 Other Facility Support 30 0 0 * *	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION	12 13 573 268 225 70 2 7 0	 0 0 0 0 0 0 0	0 * 0 0 * 0 *		0 	
Direct Uses-Total Process 1,301 0	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	12 13 573 268 225 70 2 7 0 1,744 24	 0 0 0 0 0 0 0	0 * 0 0 * 0 * 0		0 	
Process Heating 325 0 0 10 * Process Cooling and Refrigeration 65 0 0 * 0 Machine Drive 862 0 * * * Electro-Chemical Processes 39	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	12 13 573 268 225 70 2 7 0 1,744 24 24	 0 0 0 0 0 0 0	0 * 0 0 0 * 0 * 0		0 	
Process Cooling and Refrigeration 65 0 0 * 0 Machine Drive 862 0 * * * Electro-Chemical Processes 39 <td>31318</td> <td>Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process</td> <td>12 13 573 268 225 70 2 7 0 1,744 24 24 24</td> <td></td> <td>0 * 0 0 * 0 * 0 * 0</td> <td>* 5 4 1 1 * 0 0 0 13 13 1 * *</td> <td>0 </td> <td></td>	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	12 13 573 268 225 70 2 7 0 1,744 24 24 24		0 * 0 0 * 0 * 0 * 0	* 5 4 1 1 * 0 0 0 13 13 1 * *	0 	
Machine Drive 862 0	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	12 13 13 573 268 225 70 2 7 0 1,744 24 24 24 1,301		0 * 0 0 * 0 * 0 * 0 0 * 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 5 4 1 * 0 0 0 0 13 13 1 * 11	0 * * 0 0 0 0	
Electro-Chemical Processes 39	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	12 13 13 573 268 225 70 2 7 0 1,744 24 24 1,301 325		0 * 0 0 * 0 * 0 * 0 0 * 0 0 0 0 0 0 0 0 0		0 * * * * 0 0 0 0	
Other Process Use 9 0 * * Direct Uses-Total Nonprocess 322 * 1 * Facility HVAC (f) 134 * 1 * Facility Lighting 154 Other Facility Support 30 0 0 * *	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	12 13 13 573 268 225 70 2 7 0 1,744 24 24 24 1,301 325 65		0 * 0 0 0 * 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0	* 5 4 1 * 0 0 0 0 13 13 1 * * 11 10 *	0 	
Direct Uses-Total Nonprocess 322	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	12 13 573 268 225 70 2 7 0 1,744 24 24 1,301 325 65 862		0 * 0 0 0 * 0 0 * 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0	* 5 4 1 * 0 0 0 0 13 13 1 * * 11 10 *	0 	
Facility HVAC (f) 134 * * 1 * Facility Lighting 154 Other Facility Support 30 0 0 * *	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	12 13 13 573 268 225 70 2 7 7 0 1,744 24 24 24 1,301 325 65 862 39		0		0	
Facility Lighting 154 Other Facility Support 30 0 0 * *	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	12 13 13 573 268 225 70 2 7 7 0 1,744 24 24 24 1,301 325 65 862 39	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0		0	
Facility Lighting 154 Other Facility Support 30 0 0 * *	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	12 13 13 573 268 225 70 2 7 7 0 1,744 24 24 24 1,301 325 65 862 39 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 * 0 0 * 0 * 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0		0	
Other Facility Support 30 0 0 * *	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	12 13 13 573 268 225 70 2 7 0 1,744 24 24 24 1,301 325 65 862 39 9 322	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 * 0 0 * 0 * 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0	* 5 4 1 1 * 0 0 0 0 13 13 1 * 11 10 * * 11 10 10 * * 11 11 11 11 11 11 11 11 11 11 11 11	0 	
	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	12 13 13 13 573 268 225 70 2 2 7 0 1,744 24 24 24 24 25 65 862 39 9 322 134	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	* 5 4 1 1 * 0 0 0 0 13 13 1 * 11 10 * 11 10 10 11 11 11 11 11 11 11 11 11 11	0	
	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	12 13 13 573 268 225 70 2 2 7 0 0 1,744 24 24 24 24 24 325 65 862 39 9 322 134 154	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	* 5 4 1 * 0 0 0 0 0 13 13 1 * * 11 10 * * 11 10 1	0 * * * * * * * * * * * * * * * * * *	
Conventional Electricity Generation 0 * * * 0	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	12 13 13 573 268 225 70 2 77 0 1,744 24 24 1,301 325 65 862 39 9 322 134 154 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	* 5 4 1 1 * 0 0 0 0 13 13 11 11 10 * * 11 10 * *	0	
Other Nonprocess Use 2 0 * 0 0	31318	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Other Aluminum Rolling, Drawing and Extruding TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	12 13 13 573 268 225 70 2 7 0 1,744 24 24 1,301 325 65 862 39 9 322 134 154 30 2		0	* 5 4 1 1 * 0 0 0 0 13 13 1 * * 11 10 * * 11 10 * * * 11 10 * * * *	0	

	End Use Not Reported	97	0	*	*	*	
314	Nonferrous Metals, except Aluminum						
	TOTAL FUEL CONSUMPTION	13,054	0	*	41	*	
	Indirect Uses-Boiler Fuel	59	0	*	8	*	
	Conventional Boiler Use	59	0	*	4	*	
	CHP and/or Cogeneration Process		0	*	5	*	
	Direct Uses-Total Process	11,652	0	*	29	*	
	Process Heating	5,644	0	*	28	*	
	Process Cooling and Refrigeration	400	0	0	0	0	
	Machine Drive	2,950	0	*	*	*	
	Electro-Chemical Processes	1,814					
	Other Process Use	844	0	*	*	*	
	Direct Uses-Total Nonprocess	1,319	0	*	4	*	
	Facility HVAC (f)	611	0	*	3	*	
	Facility Lighting	435					
	Other Facility Support	118	0	*	*	*	
	Onsite Transportation	10		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	145	0	*	*	*	
	End Use Not Reported	24	0	0	0	*	
31410	Nonferrous Matel (secont Aluminum) Consistence and Defining						
1410	Nonferrous Metal (except Aluminum) Smelting and Refining						
	TOTAL FUEL CONSUMPTION	7,821	0	*	16	*	
	Indirect Uses-Boiler Fuel	26	0	*	6	0	
	Conventional Boiler Use	26	0	*	2	0	
	CHP and/or Cogeneration Process		0	*	4	0	
	Direct Uses-Total Process	7,337	0	*	9	*	
	Process Heating	4,064	0	*	8	*	
	Process Cooling and Refrigeration	286	0	0	0	0	
	Machine Drive	569	0	*	*	0	
	Electro-Chemical Processes	1,679					
	Other Process Use	739	0	*	*	*	
	Direct Uses-Total Nonprocess	458	0	*	1	*	
	Facility HVAC (f)	164	0	0	1	*	
	Facility Lighting	122					
	Other Facility Support	37	0	0	*	*	
	Onsite Transportation	1		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	134	0	*	0	*	
	End Use Not Reported	*	0	0	0	*	
15	Foundries						
	TOTAL FUEL CONSUMPTION	13,241	*	*	54	*	
	Indirect Uses-Boiler Fuel	84	0	*	1	*	
	Conventional Boiler Use	84	0	*	1	*	
	CHP and/or Cogeneration Process		0	*	1	*	
	Direct Uses-Total Process	10,548	*	*	41	*	
	Process Heating	6,259	0	*	39	*	
	Process Cooling and Refrigeration	238	0	0	*	*	
	Machine Drive	3,779	*	*	1	*	
	Electro-Chemical Processes	58					
	Other Process Use	215	0	*	1	*	
	Direct Uses-Total Nonprocess	2,484	*	*	12	*	
	Facility HVAC (f)	1,373	*	*	11	*	
	Facility HVAC (1)	811					
	Other Facility Support	209	0	*	1	*	
	Onsite Transportation	45		*	*	*	
	Conventional Electricity Generation		0	*	*	*	
			U		*	*	
			0	*			
	Other Nonprocess Use	46	0			*	
	Other Nonprocess Use End Use Not Reported		0	*	*	*	
31511	Other Nonprocess Use	46				*	
31511	Other Nonprocess Use End Use Not Reported	46				*	
31511	Other Nonprocess Use End Use Not Reported Iron Foundries	46 124			*	*	
31511	Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	46 124 6,055	*	*	* 15	*	
31511	Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	46 124 6,055 7	* 0 0	*	15	*	
31511	Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	46 124 6,055 7 7	0 0 0	* * * 0	15 * *	*	
31511	Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	46 124 6,055 7 7 7 4,761	* 0 0	* * * 0	* 15 * * * 9	*	
31511	Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	46 124 6,055 7 7 7 4,761 2,983	0 0 0 0 0	* * * O *	* 15 * * * 9 8	* * * * * * * * * * * * * * * * * * * *	
31511	Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	46 124 6,055 7 7 7 4,761	* 0 0 0 0 0	* * * 0 * *	* 15 * * * 9	* * * * * * * * * * * * * * * * * * * *	

	Other Process Use	122	0	0	1	*	
	Direct Uses-Total Nonprocess	1,286	*	*	6	*	
	Facility HVAC (f)	783	*	*	6	*	
	Facility Lighting	380					
	Other Facility Support	84	0	*	*	*	
	Onsite Transportation	16		*	0	*	
	Conventional Electricity Generation		0	*	0	*	
	Other Nonprocess Use End Use Not Reported	*	0	*	*	*	
	Ella Ose Not Reported		U				
331523	Nonferrous Metal Die-Casting Foundries						
	TOTAL FUEL CONSUMPTION	2,105	0	*	16	*	
	Indirect Uses-Boiler Fuel	2	0	0	1	0	
	Conventional Boiler Use	2	0	0	*	0	
	CHP and/or Cogeneration Process		0	0	*	0	
	Direct Uses-Total Process	1,580	0	*	13	*	
	Process Heating	571	0	0	13	*	
	Process Cooling and Refrigeration	77	0	0	*	0	
	Machine Drive	910	0		*	*	
	Electro-Chemical Processes Other Process Use	4 17	 0	*	 *	*	
	Direct Uses-Total Nonprocess	478	0	*	3	*	
	Facility HVAC (f)	219	0	*	<u>3</u>	*	
	Facility HVAC (1)	179					
	Other Facility Support	56	0	*	*	*	
	Onsite Transportation	4		*	*	*	
	Conventional Electricity Generation		0	*	0	0	
	Other Nonprocess Use	20	0	*	*	0	
	End Use Not Reported	47	0	0	0	*	
331524	Aluminum Foundries, except Die-Casting						
	TOTAL FUEL CONSUMPTION	793	*	*	8	*	
	Indirect Uses-Boiler Fuel	3	0	*	*	*	
	Conventional Boiler Use		0	*	*	*	
	CHP and/or Cogeneration Process Direct Uses-Total Process	598	*	*	7	*	
	Process Heating	247	0	*		*	
	Process Cooling and Refrigeration	26	0	0	*	0	
	Machine Drive	317	*	*	*	*	
	Electro-Chemical Processes	4					
	Other Process Use	4	0	*	*	*	
	Direct Uses-Total Nonprocess	179	0	*	1	*	
	Facility HVAC (f)	72	0	*	1	*	
	Facility Lighting	77				*	
	Other Facility Support	25	0	0 *	*	*	
	Onsite Transportation	3			*		
	Conventional Electricity Generation	 1	0	0		0 *	
	Other Nonprocess Use End Use Not Reported	13	0	0	0	*	
32	FABRICATED METAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	43,683	0	*	186	2	
	Indirect Uses-Boiler Fuel	Q	0	0	19	*	
	Conventional Boiler Use	Q	0	0	Q	*	
	CHP and/or Cogeneration Process		0	0 *	15	*	
	Direct Uses-Total Process	29,714	0	*	115	*	
	Process Heating Process Cooling and Refrigeration	6,410 1,376	0	0	108	0	
	Machine Drive	18,745	0	*	Q	*	
	Electro-Chemical Processes	1,648					
	Other Process Use	1,535	0	*	Q	*	
	Direct Uses-Total Nonprocess	12,617	0	*	46	1	
	Facility HVAC (f)	6,634	0	*	44	*	
	Facility Lighting	4,179					
	Other Facility Support	1,426	0	*	2	*	
	Onsite Transportation	291		*	*	1	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	86	0	*	*	*	
	End Use Not Reported	Q	0	0	Q	*	
33	MACHINERY						
	TOTAL FUEL CONSUMPTION	23,758	*	1	70	1	

	Indirect Uses-Boiler Fuel	223	0	*	14	*	*
	Conventional Boiler Use	223	0	*	4	0	0
	CHP and/or Cogeneration Process		0	*	10	*	*
	Direct Uses-Total Process	13,929	0	1	24	*	0
	Process Heating	2,289	0	0	18	*	0
	Process Cooling and Refrigeration	942	0	*	*	*	0
	Machine Drive	9,923	0	*	2	*	0
	Electro-Chemical Processes	236					
	Other Process Use	540	0	1	Q	*	0
	Direct Uses-Total Nonprocess	9,251	*	*	31	*	0
	Facility HVAC (f)	4,781	*	*	30	*	0
		3,268					
	Facility Lighting			*		*	
	Other Facility Support	858	0	*	1 *	*	0
	Onsite Transportation	233		*	*	*	
	Conventional Electricity Generation		0				0
	Other Nonprocess Use	Q	*	*	*	*	0
	End Use Not Reported	Q	0	*	Q	*	0
334	COMPUTER AND ELECTRONIC PRODUCTS						
	TOTAL FUEL CONCURATION	22.004	*	*	AF	*	
	TOTAL FUEL CONSUMPTION	32,864		*	45	*	0
	Indirect Uses-Boiler Fuel	292	0		15		0
	Conventional Boiler Use	292	0	*	11	*	0
	CHP and/or Cogeneration Process		0	0	4	*	0
	Direct Uses-Total Process	18,444	0	*	13	*	0
	Process Heating	3,914	0	*	9	*	0
	Process Cooling and Refrigeration	3,835	0	0	*	0	0
	Machine Drive	7,491	0	*	*	*	0
	Electro-Chemical Processes	756					
	Other Process Use	2,447	0	*	4	*	0
	Direct Uses-Total Nonprocess	13,406	*	*	16	*	0
	Facility HVAC (f)	8,005	*	*	15	*	0
	Facility Lighting	3,044					
	Other Facility Support	1,631	0	*	1	*	0
				*	*	*	
	Onsite Transportation	86		*	*		
	Conventional Electricity Generation		0	*		*	0
	Other Nonprocess Use	640	0		1		0
	End Use Not Reported	722	0	0	*	*	0
224442	Construction and Deleted Designs						
334413	Semiconductors and Related Devices						
334413		10.125	*	*	24	*	
334413	TOTAL FUEL CONSUMPTION	19,135	*	*	24	*	0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	198	0	*	9	*	0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	198 198	0	*	9 7	*	0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	198 198	0 0	* * 0	9 7 2	*	0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	198 198 11,761	0 0 0 0	* * 0	9 7 2 6	*	0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	198 198 11,761 2,298	0 0 0 0	* * 0	9 7 2 6 3	* * * 0	0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	198 198 11,761	0 0 0 0 0	* * 0 * 0 0 0	9 7 2 6 3	*	0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	198 198 11,761 2,298 2,631 4,510	0 0 0 0	* * 0	9 7 2 6 3	* * * 0	0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	198 198 11,761 2,298 2,631 4,510 547	0 0 0 0 0	* * 0 * 0 0 0	9 7 2 6 3	*	0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	198 198 11,761 2,298 2,631 4,510	0 0 0 0 0	* * 0 * 0 0 *	9 7 2 6 3 *	* * * 0 0 *	0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	198 198 11,761 2,298 2,631 4,510 547	0 0 0 0 0 0 0	* * 0 * 0 0 *	9 7 2 6 3 * * * *	* * * * 0 0 *	0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	198 198 11,761 2,298 2,631 4,510 547 1,775	0 0 0 0 0 0 0 0	* * 0 * 0 0 * *	9 7 2 6 3 3 * * * 3 3	* * * 0 0 * 0	0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901	0 0 0 0 0 0 0 0	* * 0 * 0 * 0 * * *	9 7 2 6 3 3 * * * 3 3 8	* * * * 0 0 * 0 *	0 0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429	0 0 0 0 0 0 0 0 0	* * 0 * 0 * 0 * * * * * * * *	9 7 2 6 3 3 * * * * 3 8 8 7	* * * * 0 0 * * 0 0 * * 0 * *	0 0 0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120	0 0 0 0 0 0 0 0 0 0 *	* * 0 * 0 0 * * 0 0 *	9 7 2 6 3 * * * * * * * * * * * * * * * * * *	* * * 0 0 * 0 *	0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794	0 0 0 0 0 0 0 0 0 *	*	9 7 2 6 3 * * * * * * * * * * * * * * * * * *	* * * 0 0 * 0 * * * *	0 0 0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6	0 0 0 0 0 0 0 0 0 *	* * 0 * 0 0 * * * * * * * *	9 7 2 6 3 * * 3 8 7 * 0 *	* * * 0 0 * 0 * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551	0 0 0 0 0 0 0 0 0 * *	* * 0 * 0 0 *	9 7 2 6 3 * * * * * 3 3 8 7 * * 0	* * * 0 0 0 * 0 * * * 0 * * * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6	0 0 0 0 0 0 0 0 0 *	* * 0 * 0 0 * * * * * * * * *	9 7 2 6 3 * * * 3 8 7 * 0 * 1	* * * 0 0 0 * 0 * * 0 0 * *	0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551	0 0 0 0 0 0 0 0 0 * *	* * 0 * 0 0 *	9 7 2 6 3 * * * 3 8 7 * 0 * 1	* * * 0 0 0 * 0 * * * 0 * * * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0
334413	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551	0 0 0 0 0 0 0 0 0 * *	* * 0 * 0 0 *	9 7 2 6 3 * * * 3 8 7 * 0 * 1	* * * 0 0 0 * 0 * * * 0 * * * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551	0 0 0 0 0 0 0 0 0 * *	* * 0 * 0 0 *	9 7 2 6 3 * * * 3 8 7 * 0 * 1	* * * 0 0 0 * 0 * * * 0 * * * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275	0 0 0 0 0 0 0 0 0 *	* * 0 * 0 0 *	9 7 2 6 3 * * * 3 8 7 3 8 1 1 *	* * * 0 0 * 0 * * 0 0 0 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275	0 0 0 0 0 0 0 0 0 * * *	* * 0 0 0 * * * * * * 0 0 * *	9 7 2 6 3 * * * 3 8 7 * 0 * 1 *	* * * 0 0 * 0 * * 0 * 0 * 1 0 * 1 0 * 1 0 * 1 0 * 1 0 * 1 0 * 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	198 198 198 11,761 2,298 2,661 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275	0 0 0 0 0 0 0 0 0 * * *	* * 0 0 0 * * * * * * 0 0 0	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 26 3 2	* * * 0 0 * 0 * * 0 * 0 * * 0 * * 0 * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275	0 0 0 0 0 0 0 0 0 0 * * * 0 0 0 0	* * 0 * 0 0 * * * * * * * * 0 0 * * * * 0 0 0	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 26 3 2 Q	* * * 0 0 * 0 * * 0 * 0 * * 0 * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 555 275	0 0 0 0 0 0 0 0 0 0 * * 0 0 0 0	* * 0 * 0 0 * 0 0 * * * * * 0 0 0 0	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 26 3 2 Q 16	* * * 0 0 * * 0 * * 0 * * 0 * 0 * 0 * 0 * 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 555 275 11,764 55 55 55 55 8,174 2,730	0 0 0 0 0 0 0 0 0 * * * 0 0 0 0	* * * 0 0 0 * * 0 0 0 * * * * * * 0 0 0 0 0 0 0 * *	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 26 3 2 Q	* * * 0 0 * * 0 * 0 * * 0 * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275 11,764 55 55 8,174 2,730 761	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * 0 0 0 * * * * * * * * * 0 0 0 * * * 0 0 0 * * * 0	9 7 2 6 3 * * * * 3 8 7 * 0 0 * 1 1 * 26 3 2 Q 16 16	* * * 0 0 * * * 0 0 * * 0 * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	198 198 198 198 198 11,761 2,298 2,661 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275 11,764 55 55 55 55 55 55 57 8,174 2,730 761 3,328	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 0 0 * * * * * 0 0 0 * *	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 26 3 2 Q 16 16 16 * *	* * * 0 0 * * * 0 * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275 11,764 55 55 55 8,174 2,730 761 3,328	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 0 0 * * * * * 0 0 0 * *	9 7 2 6 3 * * * 3 8 7 * 0 4 1 * 26 3 2 Q 16 16 16 * *	* * * 0 0 * * * 0 * * 0 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275 11,764 55 55 55 8,174 2,730 761 3,328 922 433	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * O O * O O * * * * * O O O O O O O O O O O O O O	9 7 2 6 3 * * * 3 8 7 * 0 * 1 * 26 3 2 Q 16 16 16 * * *	* * * 0 0 * 0 * * 0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275 11,764 555 55 8,174 2,730 761 3,328 922 433 3,517	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * O * O O * * O O O * * * O	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 2 6 3 2 Q 16 16 16 * * * 6	* * * 0 0 * * 0 * * 0 * * 0 *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	198 198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275 11,764 555 55 55 8,174 2,730 761 3,328 922 433 3,517 1,966	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * O O * O O * * * * * O O O O O O O O O O O O O O	9 7 2 6 3 * * * 3 8 7 * 0 * 1 * 26 3 2 Q 16 16 16 * * *	* * * 0 0 * 0 * * 0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility HVAC (f) Facility Lighting	198 198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 555 551 275 11,764 555 55 55 55 8,174 2,730 761 3,328 922 433 3,517 1,966 1,164	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 0 0 * * * * * * 0 0 0	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 26 3 2 Q 16 16 16 * * * 6 6 6	* * * * 0 0 * * 0 * * 0 0 * * 0 * 0 * 0 * 1 0 * 1 0 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	198 198 198 198 11,761 2,298 2,631 4,510 547 1,775 6,901 4,429 1,120 794 6 551 275 11,764 555 55 55 8,174 2,730 761 3,328 922 433 3,517 1,966	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * 0 0 * 0 0 * * * * * 0 0	9 7 2 6 3 * * * * 3 8 7 * 0 * 1 * 2 6 3 2 Q 16 16 16 * * * 6 6	* * * 0 0 * * 0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	Onsite Transportation	82		*	0	*	
	Conventional Electricity Generation		0	*	0 *	*	
	Other Nonprocess Use End Use Not Reported	Q Q	0	*	0	*	
	Liu ose not reported	Σ					
6	TRANSPORTATION EQUIPMENT						
	TOTAL FUEL CONSUMPTION	45,584	*	1 *	141	1	
	Indirect Uses-Boiler Fuel	377			23	*	
	Conventional Boiler Use	377	*	*	17	*	
	CHP and/or Cogeneration Process		0	*	7	0 *	
	Direct Uses-Total Process	27,329	0	*	63	*	
	Process Heating	4,983	0			*	
	Process Cooling and Refrigeration	2,283	0	0 *		*	
	Machine Drive	17,541	0		Q		
	Electro-Chemical Processes	293	 0	*		*	
	Other Process Use	2,227 17,168	0	*	5 53	1	
	Direct Uses-Total Nonprocess		0	*	47	*	
	Facility HVAC (f)	8,503 5,694					
	Facility Lighting	1,791	0	*		*	
	Other Facility Support Onsite Transportation	638		*	2	1	
			0	*		*	
	Conventional Electricity Generation	 542	0	*	Q Q	*	
	Other Nonprocess Use End Use Not Reported	710	0	*	Q 2	*	
	Line Ose Not reported	710	U	·	<u>∠</u>		
36111	Automobiles						
	TOTAL FUEL CONSUMPTION	3,631	0	*	18	*	
	Indirect Uses-Boiler Fuel	62	0	*	2	*	
	Conventional Boiler Use	62	0	0	2	*	
	CHP and/or Cogeneration Process		0	*	*	0	
	Direct Uses-Total Process	2,265	0	*	11	*	
	Process Heating	223	0	0	10	*	
	Process Cooling and Refrigeration	295	0	0	0	0	
	Machine Drive	1,569	0	*	0	0	
	Electro-Chemical Processes	100					
	Other Process Use	78	0	*	1	0	
	Direct Uses-Total Nonprocess	1,300	0	*	5	*	
	Facility HVAC (f)	653	0	*	4	*	
	Facility Lighting	481					
	Other Facility Support	124	0	*	*	*	
	Onsite Transportation	41		*	*	*	
	Conventional Electricity Generation		0	*	*	0	
	Other Nonprocess Use	1	0	*	0	0	
	End Use Not Reported	4	0	0	*	0	
36112	Light Trucks and Utility Vehicles						
	TOTAL FUEL CONSUMPTION	3,656	0	*	24	*	
	Indirect Uses-Boiler Fuel	21	0	0	5	0	
	Conventional Boiler Use	21	0	0	4	0	
	CHP and/or Cogeneration Process		0	0	1	0	
	Direct Uses-Total Process	2,391	0	*	14	*	
	Process Heating	71	0	0	13	0	
	Process Cooling and Refrigeration	420	0	0	*	0	
	Machine Drive	1,600	0	*	*	0	
	Electro-Chemical Processes	27					
	Other Process Use	273	0	*	1	*	
	Direct Uses-Total Nonprocess	1,244	0	*	6	*	
	Facility HVAC (f)	666	0	0	5	*	
	Facility Lighting	449					
	Other Facility Support	94	0	*	*	0	
	Onsite Transportation	34		*	*	*	
			0	*	0	0	
	Conventional Electricity Generation		0	*	0	*	
	Other Nonprocess Use	2					
		0	0	*	0	0	
64	Other Nonprocess Use		0	*	0	0	
164	Other Nonprocess Use End Use Not Reported		0	*	0	0	
64	Other Nonprocess Use End Use Not Reported		*	*	28	*	
64	Other Nonprocess Use End Use Not Reported Aerospace Products	0	*	*	28 11	*	
64	Other Nonprocess Use End Use Not Reported Aerospace Products TOTAL FUEL CONSUMPTION	9,645	*	*	28	*	
54	Other Nonprocess Use End Use Not Reported Aerospace Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	9,645 85	*	* *	28 11	* * * * 0	
64	Other Nonprocess Use End Use Not Reported Aerospace Products TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	9,645 85 85	*	*	28 11 7	*	

	Process Cooling and Refrigeration	569	0	0	*	*	0
	Machine Drive	2,153	0	*	*	*	0
	Electro-Chemical Processes	49					
	Other Process Use	390	0	*	11	*	0
	Direct Uses-Total Nonprocess	4,861	0	*	12	*	0
	Facility HVAC (f)	2,300	0	*	10	*	0
	Facility Lighting	1,840				*	
	Other Facility Support	567	0	*	1	*	0
	Onsite Transportation	89		*		*	
	Conventional Electricity Generation		0	*	Q *	*	0
	Other Nonprocess Use End Use Not Reported	Q 192	0	*	*	*	0
	Lilu Ose Not Reported	152					
336411	Aircraft						
	TOTAL FUEL CONSUMPTION	3,198	*	*	10	*	0
	Indirect Uses-Boiler Fuel	42	*	*	3	*	0
	Conventional Boiler Use	42	*	*	3	*	0
	CHP and/or Cogeneration Process		0	0	*	0	0
	Direct Uses-Total Process	1,026	0	*	1	*	0
	Process Heating	175	0	*	1	*	0
	Process Cooling and Refrigeration	107	0	0	*	*	0
	Machine Drive	618	0	*	*	*	0
	Electro-Chemical Processes	5					
	Other Process Use	Q	0	0	*	0	0
	Direct Uses-Total Nonprocess	2,003	0	*	5	*	0
	Facility HVAC (f)	857	0		5		0
	Facility Lighting	778			*	 *	
	Other Facility Support	282	0	0	*	*	0
	Onsite Transportation		0	0	*	0	
	Conventional Electricity Generation Other Nonprocess Use	Q	0	*	*	0	0
	End Use Not Reported	126	0	0	*	*	0
	Litu ose not neporteu	120					
337	FURNITURE AND RELATED PRODUCTS						
	TOTAL FUEL CONSUMPTION	5,169	0	*	14	*	*
	Indirect Uses-Boiler Fuel	59	0	*	Q	*	*
	Conventional Boiler Use	59	0	0	*	*	*
	CHP and/or Cogeneration Process		0	*	Q	*	0
	Direct Uses-Total Process	2,898	0	*	6	*	*
	Process Heating	186	0	*	6	*	*
	Process Cooling and Refrigeration	82	0	0	*	*	0
	Machine Drive	2,524	0	0	*	*	0
	Electro-Chemical Processes	18				*	
	Other Process Use	Q	0	0 *	0	*	0
	Direct Uses-Total Nonprocess Facility HVAC (f)	2,083 1,006	0	*	7 7	*	*
		835					
	Facility Lighting Other Facility Support	165	0	*	*	*	0
	Onsite Transportation	54		*	*	*	
	Conventional Electricity Generation		0	*	*	*	0
	Other Nonprocess Use	23	0	*	*	*	0
	End Use Not Reported	Q	0	0	*	*	0
339	MISCELLANEOUS						
	TOTAL FUEL CONSUMPTION	8,863	*	*	25	*	0
	Indirect Uses-Boiler Fuel	141	0	*	Q	0	0
	Conventional Boiler Use	141	0	*	1	0	0
	CHP and/or Cogeneration Process		0	*	Q	0	0
	Direct Uses-Total Process	4,781	0	*	5	*	0
	Process Heating	1,022	0	*	4	*	0
	Process Cooling and Refrigeration	630	0	0	*	*	0
	Machine Drive	2,899	0	*	*	*	0
	Electro-Chemical Processes	62		*		*	
	Other Process Use	167	0 *	*	Q	*	0
	Direct Uses-Total Nonprocess	3,864	*	*	9	*	0
	Facility HVAC (f)	2,133			6		0
	Facility Lighting Other Facility Support	1,229 430	*	 0	 1	*	
	Other Facility Support Onsite Transportation	430 51		*	1	*	
	Conventional Electricity Generation	 2T	0	*	Q	*	0
	Other Nonprocess Use	21	0	*	*	*	0
	End Use Not Reported	Q	0	0	*	*	0
(-) Th - D	eau of the Census classifies establishments using the 2012 North American Ind						

- (b) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for Electricity' is not directly comparable with "Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.
- (c) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
- (d) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.
- (e) 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) 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 5.3 Relative Standard Errors for Table 5.3;

Unit: Percents.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	HGL (excluding natural gasoline)(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
		Total United Stat	es				
311 - 339	ALL MANUFACTURING INDUSTRIES						
	TOTAL FUEL CONSUMPTION	1.1	2.2	5.4	0.8	2.8	1.1
	Indirect Uses-Boiler Fuel	2.7	2.9	7.3	1.0	3.6	1.3
	Conventional Boiler Use	2.7	0.4	6.3	2.1	4.6	1.6
	CHP and/or Cogeneration Process		6.1	10.0	1.1	5.8	1.5
	Direct Uses-Total Process	1.0	2.7	10.6	1.0	2.9	1.8
	Process Heating	2.1	1.6	7.5	1.1	2.1	2.0
	Process Cooling and Refrigeration	1.7	73.1	10.3	5.7	27.2	X
	Machine Drive	1.2	0.1	13.7	3.8	26.1	23.0
	Electro-Chemical Processes	1.1					
	Other Process Use	4.5	42.3	25.7	3.3	16.9	0.1
	Direct Uses-Total Nonprocess	2.1	2.3	6.7	2.5	6.0	12.2
	Facility HVAC (f)	2.3	4.0	16.4	2.7	17.0	20.2
	Facility Lighting	2.4					
	Other Facility Support	3.7	40.2	44.8	3.0 9.0	14.8 5.3	0.1
	Onsite Transportation	4.6		4.5			
	Conventional Electricity Generation Other Nonprocess Use	14.2	0.1 63.0	38.1 28.4	17.4 27.9	14.5 29.9	0.1
	End Use Not Reported	10.5	03.0	23.2	7.3	12.6	4.2
				23.2	7.5		
311	FOOD						
	TOTAL FUEL CONSUMPTION	2.3	16.2	11.0	3.1	12.2	0.1
	Indirect Uses-Boiler Fuel	8.2	17.6	16.0	2.5	14.5	0.1
	Conventional Boiler Use	8.2	1.9	9.9	4.3	19.4	0.1
	CHP and/or Cogeneration Process		40.8	21.5	3.2	21.8	0.2
	Direct Uses-Total Process	2.4	14.2	31.5	7.4	29.5	0.1
	Process Heating	7.9	26.5	45.1	8.2	28.0	0.1
	Process Cooling and Refrigeration	3.5	0.1	10.7	6.5	48.8	X
	Machine Drive	2.8	0.1	46.9	13.9	59.6	X
	Electro-Chemical Processes	14.1					
	Other Process Use	12.9	X	73.0	7.2	8.9	X
	Direct Uses-Total Nonprocess	3.5	13.1	10.9	4.5	16.4 42.1	0.1
	Facility HVAC (f)	4.5 4.1	4.1	6.3	6.0		0.1
	Facility Lighting Other Facility Support	5.0	41.3	4.6	4.7	29.5	0.1
	Onsite Transportation	7.8		14.6	36.1	11.9	
	Conventional Electricity Generation		X	60.7	39.9	0.1	X
	Other Nonprocess Use	13.1	X	10.5	25.2	10.4	X
	End Use Not Reported	21.8	X	24.9	13.5	62.6	0.1
3112	Grain and Oilseed Milling						
	Grain and Onseed Willing						
	TOTAL FUEL CONSUMPTION	1.7	37.1	8.0	2.3	31.2	0.1
	Indirect Uses-Boiler Fuel	2.5	56.6	6.0	3.2	52.7	0.2
	Conventional Boiler Use	2.5	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	1.8	44.0	30.0	3.7	47.8	0.1
	Process Heating	5.6	44.0	56.7	4.5	44.0	0.1
	Process Cooling and Refrigeration	3.0	X	80.5	9.2	X	X
	Machine Drive Electro-Chemical Processes	1.9 19.1	X	15.5	13.3	89.3 	X
	Other Process Use	32.9	X	4.5	3.8	3.2	X
	Direct Uses-Total Nonprocess	2.8	^ 44.7	5.6	4.8	15.7	0.1
	Facility HVAC (f)	3.8	44.7	22.7	5.4	41.2	0.1
							0.1
	Facility Lighting	7 0					
	Facility Lighting Other Facility Support	2.9 3.2	X	82.3	6.3	58.5	0.1

	Conventional Electricity Generation		х	9.3	0.1	0.1	>
	Other Nonprocess Use	25.6	X	0.2	0.1	0.1)
	End Use Not Reported	52.3	X	93.7	93.7	17.3	0.:
311221	Wet Corn Milling						
	TOTAL FUEL CONSUMPTION	0.0	X	0.0	0.0	0.0	0.
	Indirect Uses-Boiler Fuel	0.0	x	0.0	0.0	X	0.
	Conventional Boiler Use	0.0	X	0.0	0.0	x	0.
	CHP and/or Cogeneration Process		······································	X	0.0	^X	0.
	Direct Uses-Total Process	0.0	······································	0.0	0.0	0.0	0.
	Process Heating	0.0	x	0.0	0.0	0.0	0.
	Process Cooling and Refrigeration	0.0	x	X	0.0	X	
	Machine Drive	0.0	X	0.0	0.0	X	
	Electro-Chemical Processes	X					
	Other Process Use	0.0	X	X	0.0	X	
	Direct Uses-Total Nonprocess	0.0	X	0.0	0.0	0.0	
	Facility HVAC (f)	0.0	X	0.0	0.0	0.0	
	Facility Lighting	0.0					
	Other Facility Support	0.0	X	X	0.0	0.0	
	Onsite Transportation	0.0		0.0	0.0	0.0	
	Conventional Electricity Generation		X	0.0	X	0.0	
	Other Nonprocess Use	X	X	0.0	X	X	
	End Use Not Reported	X	X	X	X	0.0	0
31131	Sugar						
	TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0
	Indirect Uses-Boiler Fuel	0.1	0.1	0.1	0.1	X	0
	Conventional Boiler Use	0.1	0.1	X	0.1	x	
	CHP and/or Cogeneration Process		0.1	0.1	0.1	^X	0
	Direct Uses-Total Process	0.1	0.1	0.1	0.1	X	0
	Process Heating	0.1	X	X	0.1	x	0
	Process Cooling and Refrigeration	0.1	x	x	X	^X	
	Machine Drive	0.1	0.1	0.1	X	X	
	Electro-Chemical Processes	0.1					
	Other Process Use	χ	X	X	0.1	X	
	Direct Uses-Total Nonprocess	0.1	X	0.1	0.1	0.1	
	Facility HVAC (f)	0.1	X	X	0.1	0.1	
	Facility Lighting	0.1					
	Other Facility Support	0.1	X	X	0.1	X	
	Onsite Transportation	0.1		0.1	X	0.1	
	Conventional Electricity Generation		X	X	X	X	
	Other Nonprocess Use	0.1	X	0.1	X	0.1	
	End Use Not Reported	X	X	X	X	0.1	
114	Fruit and Vegetable Preserving and Specialty Foods						
	TOTAL FUEL CONSUMPTION	5.8	5.5	9.0	2.0	31.3	0
	Indirect Uses-Boiler Fuel	10.2	0.1	6.2	2.5	20.4	0
	Conventional Boiler Use	10.2	0.1	3.0	3.0	3.1	
	CHP and/or Cogeneration Process		0.1	57.3	3.6	63.2	0
	Direct Uses-Total Process	6.6	4.2	44.1	4.5	74.1	<u>.</u>
	Process Heating	12.4	4.2	26.2	4.7	70.7	
	Process Cooling and Refrigeration	10.1	X	38.2	13.6	X	
	Machine Drive	2.6	X	59.1	42.3	96.1	
	Electro-Chemical Processes	28.9					
	Other Process Use	10.2	X	23.5	15.7	28.6	
	Direct Uses-Total Nonprocess	4.7	30.2	13.2	4.3	21.1	
	Facility HVAC (f)	4.5	11.1	42.4	3.3	57.2	
	Facility Lighting	5.4					
	Other Facility Support	8.3	47.9	X	15.5	65.6	
	Onsite Transportation	16.4		14.3	54.4	9.3	
	Conventional Electricity Generation		X	10.4	45.9	X	
	Other Nonprocess Use	0.1	X	23.0	X	0.2	
	End Use Not Reported	24.7	X	15.4	9.7	16.9	
	D-1 - D-1 - D-1						
115	Dairy Products						
	TOTAL FUEL CONSUMPTION	2.2	0.4	26.6	2.3	20.3	0.
	Indirect Uses-Boiler Fuel	8.6	0.5	22.7	2.8	32.7	
	Conventional Boiler Use	8.6	0.2	0.9	3.2	88.6	

	CHP and/or Cogeneration Process		57.2	38.8	4.9	34.8	X
	Direct Uses-Total Process	2.5 7.0	0.1	64.6 93.6	4.5 4.4	11.3 17.3	0.1
	Process Heating Process Cooling and Refrigeration	4.0	0.1	33.2	11.6	17.3 X	V.1
	Machine Drive	3.0	0.1	95.7	34.3	0.1	X
	Electro-Chemical Processes	10.9					
	Other Process Use	6.6	X	55.2	23.2	0.1	Х
	Direct Uses-Total Nonprocess	3.3	0.1	21.2	6.2	17.3	0.1
	Facility HVAC (f)	3.7	0.1	78.5	6.8	28.3	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 12.5	X	30.3 58.6	17.5 13.3	0.1 38.0	X
	End Use Not Reported	12.5		36.0	13.3	30.0	^
3116	Animal Slaughtering and Processing						
	TOTAL FUEL CONSUMPTION	2.3	14.9	7.3	2.8	17.7	20.0
	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	Х
	Process Heating	8.2	X	49.1	4.7	24.4	Х
	Process Cooling and Refrigeration	2.8	X	1.1	15.7	54.1	Х
	Machine Drive	2.6	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	3.1	19.2	8.8	3.2	54.9	X
	Facility HVAC (f)	3.9	X	21.3	3.9	66.6	X
	Facility Lighting	3.5 6.1	19.2	75.2	4.2	42.4	X
	Other Facility Support Onsite Transportation	8.2		20.7	8.8	7.9	^
	Conventional Electricity Generation	8.2	X	39.4	76.7	7.9 X	X
	Other Nonprocess Use	20.5	X	9.0	31.1	26.5	X
	End Use Not Reported	76.8	X	28.1	38.2	24.3	X
312	BEVERAGE AND TOBACCO PRODUCTS						
	TOTAL FUEL CONSUMPTION	7.4	0.1	18.5	4.4	10.3	0.1
	Indirect Uses-Boiler Fuel	4.6	0.1	33.5	3.0	36.2	0.1
	Conventional Boiler Use	4.6	0.1	33.6	3.1	69.1	0.1
	CHP and/or Cogeneration Process		X	61.3	6.4	22.9	0.1
	Direct Uses-Total Process	5.6	X	71.7	17.8	26.2	0.1
	Process Heating	10.0	X	60.2	19.3	19.7	0.1
	Process Cooling and Refrigeration	10.4	X	X	54.3	X	X
	Machine Drive	3.6	X	87.6	19.1	61.1	X
	Electro-Chemical Processes	10.2					
	Other Process Use	5.8	X	83.9	3.7	23.1	X
	Direct Uses-Total Nonprocess	14.9	X	18.4	7.5	9.0	0.1
	Facility HVAC (f) Facility Lighting	9.7 15.5	X	24.4	7.6	27.6	0.1
					-		
				0.1	25.4	46.1	X
	Other Facility Support	22.1	X	0.1	25.4 54.6	46.1 9.5	X
			X	0.1 20.8 77.2	25.4 54.6 0.1	46.1 9.5 X	
	Other Facility Support Onsite Transportation	22.1 35.8	X	20.8	54.6	9.5	
	Other Facility Support Onsite Transportation Conventional Electricity Generation	22.1 35.8	x	20.8 77.2	54.6 0.1	9.5 X	 X
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	22.1 35.8 12.0	X X X	20.8 77.2 52.8	54.6 0.1 1.8	9.5 X 16.9	X X
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	22.1 35.8 12.0	X X X X	20.8 77.2 52.8	54.6 0.1 1.8 7.6	9.5 X 16.9 8.4	X X X
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages	22.1 35.8 12.0 9.6	X X X	20.8 77.2 52.8 0.1	54.6 0.1 1.8	9.5 X 16.9	X X
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION	22.1 35.8 12.0 9.6	x x x x	20.8 77.2 52.8 0.1	54.6 0.1 1.8 7.6	9.5 X 16.9 8.4	X X X
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	22.1 35.8 12.0 9.6 8.2 4.8	X X X X X X	20.8 77.2 52.8 0.1	54.6 0.1 1.8 7.6 5.0 3.4	9.5 X 16.9 8.4 11.0 41.1	X X X X
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	22.1 35.8 12.0 9.6 8.2 4.8 4.8	X X X X X X X	20.8 77.2 52.8 0.1 19.8 40.9 50.2	54.6 0.1 1.8 7.6 5.0 3.4 3.6	9.5 X 16.9 8.4 11.0 41.1 69.2 30.0 29.3	0.1 0.1 0.1 0.1 0.1
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	22.1 35.8 12.0 9.6 8.2 4.8 4.8 6.0 11.1	X X X X X X X X X X X X X X X X X X X	20.8 77.2 52.8 0.1 19.8 40.9 50.2 62.0 74.3 75.8	54.6 0.1 1.8 7.6 5.0 3.4 3.6 6.7 20.6 22.3	9.5 X 16.9 8.4 11.0 41.1 69.2 30.0 29.3 19.8	0.1 0.1 0.1 0.1 0.1
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	22.1 35.8 12.0 9.6 8.2 4.8 4.8 6.0 11.1 10.6	X X X X X X X X X X X X X X X X X X X	20.8 77.2 52.8 0.1 19.8 40.9 50.2 62.0 74.3 75.8 X	54.6 0.1 1.8 7.6 5.0 3.4 3.6 6.7 20.6 22.3 81.0	9.5 X 16.9 8.4 11.0 41.1 69.2 30.0 29.3 19.8 X	0.1 0.1 0.1 0.1 0.1 0.1
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	22.1 35.8 12.0 9.6 8.2 4.8 4.8 6.0 11.1 10.6 4.1	X X X X X X X X X X X X X X X X X X X	20.8 77.2 52.8 0.1 19.8 40.9 50.2 62.0 74.3 75.8	54.6 0.1 1.8 7.6 5.0 3.4 3.6 6.7 20.6 22.3 81.0 19.8	9.5 X 16.9 8.4 11.0 41.1 69.2 30.0 29.3 19.8	0.1 0.1 0.1 0.1 0.1 0.1
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	22.1 35.8 12.0 9.6 8.2 4.8 4.8 6.0 11.1 10.6 4.1 10.4	X X X X X X X X X X X X X X X X X X X	20.8 77.2 52.8 0.1 19.8 40.9 50.2 62.0 74.3 75.8 X	54.6 0.1 1.8 7.6 5.0 3.4 3.6 6.7 20.6 22.3 81.0 19.8	9.5 X 16.9 8.4 11.0 41.1 69.2 30.0 29.3 19.8 X 68.5	0.1 0.1 0.1 0.1 0.1 0.1 x
3121	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Beverages TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	22.1 35.8 12.0 9.6 8.2 4.8 4.8 6.0 11.1 10.6 4.1	X X X X X X X X X X X X X X X X X X X	20.8 77.2 52.8 0.1 19.8 40.9 50.2 62.0 74.3 75.8 X	54.6 0.1 1.8 7.6 5.0 3.4 3.6 6.7 20.6 22.3 81.0 19.8	9.5 X 16.9 8.4 11.0 41.1 69.2 30.0 29.3 19.8 X	0.1 0.1 0.1 0.1 0.1 0.1

	Facility Lighting	17.9					
	Other Facility Support	25.7	X	X	26.8	46.1	Х
	Onsite Transportation	37.0		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	9.6	X	0.1	7.6	8.4	X
3122	Товассо						
	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	Х	X	0.1	X	Х
	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 (f)	0.1	X	0.1	0.1	0.1	0.1
	Facility Lighting	0.1 0.1	X		0.1	X	
	Other Facility Support Onsite Transportation	0.1		0.1	0.1	0.1	X
	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	X	X	X	X	X	X
313	TEXTILE MILLS						
	TOTAL FUEL CONSUMPTION	13.5	48.0	55.7	17.1	10.9	43.2
	Indirect Uses-Boiler Fuel	35.4	67.6	85.2	17.6	3.7	43.2
	Conventional Boiler Use	35.4	Х	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	16.1	0.1	91.1	27.5	15.9	X
	Process Heating	17.3	0.1	0.1	16.3	16.4	X
	Process Cooling and Refrigeration	14.7	X	X	76.7	0.1	X
	Machine Drive	19.3	X	X	76.9	59.4	X
	Electro-Chemical Processes	48.1					
	Other Process Use	17.3 12.0	0.5	96.2 27.9	30.2	28.1 26.7	X
	Direct Uses-Total Nonprocess Facility HVAC (f)	14.9	0.5	60.6	13.4	69.7	x
	Facility Lighting	11.5					
	Other Facility Support	15.2	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	61.1	X	X	0.3	8.1	X
314	TEXTILE PRODUCT MILLS						
	TOTAL FUEL CONSUMPTION	9.0	0.1	18.8	16.6	50.0	9.7
	Indirect Uses-Boiler Fuel	28.6	0.1	18.4	21.3	17.9	9.7
	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	7.2
	Direct Uses-Total Process	10.3	X	37.6	14.9	40.3	X
	Process Heating	13.0	Х	0.1	15.2	46.6	Х
	Process Cooling and Refrigeration	18.3	Х	Х	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	62.3	X
	Direct Uses-Total Nonprocess	13.6	X	28.6	42.7	28.8	X
	Facility HVAC (f)	17.1	X	0.1	43.2	71.3	X
	Facility Lighting Other Facility Support	13.5 27.6	 X	 0 1		 0.1	
	Other Facility Support Onsite Transportation	15.2	X	0.1 38.7	36.6 X	32.6	X
	Conventional Electricity Generation		X	45.2	x	32.0 X	X
	Other Nonprocess Use	82.7	X	0.1	x	84.7	X
	End Use Not Reported	97.8	X	94.3	0.1	89.9	x
315	APPAREL						
	TOTAL FUEL CONSUMPTION	9.3	X	68.9	12.8	56.8	X

	Indirect Uses-Boiler Fuel	27.9	х	50.6	16.6	76.0	Х
	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	χ
	Direct Uses-Total Nonprocess	11.9	X	70.4	27.0	81.3	X
	Facility HVAC (f)	14.0	X	70.9	27.0	96.5	X
	Facility Lighting	15.1					
	Other Facility Support	11.8	X	Х	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	68.7	X	X	13.7	0.1	X
316	LEATHER AND ALLIED PRODUCTS						
	TOTAL FUEL CONSUMPTION	7.4	67.2	12.4	5.4	8.8	Х
	Indirect Uses-Boiler Fuel	46.8	78.4	0.1	9.9	X	Х
	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	2.1	Х
	Process Heating	23.7	X	47.8	8.1	0.1	X
	Process Cooling and Refrigeration	21.4	X	X	X	X	Х
	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 (f)	9.8	X	15.9	11.9	23.6	Х
	Facility Lighting	8.9					
	Other Facility Support	19.0	X	X	47.6	0.1	Х
	Onsite Transportation	15.4		53.6	X	8.5	
	Conventional Electricity Generation		X	X	X	X	Х
	Other Nonprocess Use	25.9	X	0.1	X	X	Х
	End Use Not Reported	51.0	X	X	10.8	55.2	X
321	WOOD DRODUCTS						
	WOOD PRODUCTS						
	WOOD PRODUCTS						
	TOTAL FUEL CONSUMPTION	11.4	0.1	9.7	3.9	8.9	0.1
		11.4	0.1 X	9.7 10.6	3.9	8.9 33.6	0.1
	TOTAL FUEL CONSUMPTION						
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	6.1	X	10.6	7.7	33.6	0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	6.1 6.1	X	10.6 9.2	7.7 4.8	33.6 1.1	0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	6.1 6.1	X X X	10.6 9.2 35.7	7.7 4.8 11.1	33.6 1.1 49.7	0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	6.1 6.1 	X X X 0.1	10.6 9.2 35.7 30.8	7.7 4.8 11.1 4.8	33.6 1.1 49.7 14.6	0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	6.1 6.1 11.2 3.5 9.1	X X X 0.1 0.1	10.6 9.2 35.7 30.8 19.7 69.0	7.7 4.8 11.1 4.8 5.4 0.1	33.6 1.1 49.7 14.6 13.2	0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	6.1 6.1 11.2 3.5	X X X 0.1 0.1	10.6 9.2 35.7 30.8 19.7	7.7 4.8 11.1 4.8 5.4	33.6 1.1 49.7 14.6 13.2	0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	6.1 6.1 11.2 3.5 9.1 12.4	X X X 0.1 0.1	10.6 9.2 35.7 30.8 19.7 69.0	7.7 4.8 11.1 4.8 5.4 0.1 17.9	33.6 1.1 49.7 14.6 13.2	0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	6.1 6.1 11.2 3.5 9.1 12.4 13.0	X X X 0.1 0.1 X 0.1 	10.6 9.2 35.7 30.8 19.7 69.0 15.4	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1	33.6 1.1 49.7 14.6 13.2 X 33.6	0.1 0.1 0.1 0.1 0.1 0.1 X X
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0	X X X 0.1 0.1 0.1 X 0.1	10.6 9.2 35.7 30.8 19.7 69.0 15.4	7.7 4.8 11.1 4.8 5.4 0.1 17.9	33.6 1.1 49.7 14.6 13.2 X 33.6	0.1 0.1 0.1 0.1 0.1 0.1 X
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0	X X X 0.1 0.1 X 0.1 0.1 X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3	33.6 1.1 49.7 14.6 13.2 X 33.6	0.1 0.1 0.1 0.1 0.1 X X X X
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1	X X X 0.1 0.1 0.1 X 0.1 X 0.1 X 0.1 X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1	0.1 0.1 0.1 0.1 0.1 X X X X
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8	X X X 0.1 0.1 0.1 X 0.1 X 0.1 X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4	0.1 0.1 0.1 0.1 0.1 X X X X
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1	X X X 0.1 0.1 X 0.1 X 0.1 X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9	33.6 1.1 49.7 14.6 13.2 X 33.6	0.1 0.1 0.1 0.1 0.1 0.1 X X X X X X X X
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7	X X X 0.1 0.1 X 0.1 X 0.1 X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9	0.1 0.1 0.1 0.1 0.1 0.1 X X X X X X X X
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
321113	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7	X X X 0.1 0.1 X 0.1 X 0.1 X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7	X X X 0.1 0.1 X 0.1 X 0.1 X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7	X X X 0.1 0.1 X 0.1 X 0.1 X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills	6.1 6.1 7 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9 63.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 10.3 10.7 19.8 21.9 85.5 0.1 59.6	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9 35.2	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills	6.1 6.1 7 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X 0.1 0.1 X X X 0.1 0.1 X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9 63.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9 35.2	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	6.1 6.1 7 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9 63.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6	33.6 1.1 49.7 14.6 13.2	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	6.1 6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2	X X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9 63.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6 3.0 6.1 2.7	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9 35.2	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	6.1 6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2 3.0 3.0 3.1 3.1	X X X X 0.1 0.1 0.1 X 0.1 X X X X X X X X X X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9 63.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6 3.0 6.1 2.7 17.2	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9 35.2 11.0 21.7 X 21.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	6.1 6.1 7 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2 3.0 3.0 3.1 3.1 3.1	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4 71.5 8.0 17.5 15.2 8.3 11.5 38.9 63.5	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6 3.0 6.1 2.7 17.2 3.5	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9 35.2 11.0 21.7 X 21.7 20.9	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	6.1 6.1 6.1 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2 3.0 3.0 3.1 3.1 3.1 3.3	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6 3.0 6.1 2.7 17.2 3.5 3.6	33.6 1.1 49.7 14.6 13.2 X 33.6	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Process Heating Process Cooling and Refrigeration	6.1 6.1 6.1 7 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 11.7 13.2 3.0 3.1 3.1 3.1 3.1 3.1 3.1 3.3	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6 3.0 6.1 2.7 17.2 3.5 3.6 X	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9 35.2 11.0 21.7 X 21.7 20.9 25.9 X	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Sawmills TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	6.1 6.1 6.1 7 11.2 3.5 9.1 12.4 13.0 16.0 15.0 29.3 4.1 7.8 12.5 7.8 12.5 7.8 13.2 3.0 3.1 3.1 3.1 3.1 3.1 3.3 2.6 2.6 3.6	X X X 0.1 0.1 0.1 X 0.1 0.1 X X X X X X X X X X X X X X X X X X X	10.6 9.2 35.7 30.8 19.7 69.0 15.4	7.7 4.8 11.1 4.8 5.4 0.1 17.9 0.1 10.3 10.7 19.8 21.9 85.5 0.1 59.6 3.0 6.1 2.7 17.2 3.5 3.6 X 8.3	33.6 1.1 49.7 14.6 13.2 X 33.6 45.5 11.5 37.1 68.4 10.2 0.2 36.9 35.2 11.0 21.7 X 21.7 20.9 25.9 X	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1

	Direct Uses-Total Nonprocess	5.9	Х	5.1	4.7	3.8	X
	Facility HVAC (f)	6.3	Х	21.6	5.3	11.3	X
	Facility Lighting	4.2					
	Other Facility Support	14.6	X	2.4	17.2	16.4	X
	Onsite Transportation	7.9		5.2	0.1	3.5	
	Conventional Electricity Generation		X	13.2	86.9	0.1	Х
	Other Nonprocess Use	2.1	X	7.9	0.1	2.6	X
	End Use Not Reported	13.0	X	79.4	X	38.2	X
3212	Veneer, Plywood, and Engineered Woods						
	TOTAL FUEL CONSUMPTION	4.7	X	8.5	4.1	5.1	0.1
	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	5.0	X	6.2	5.0	15.3	X
	Process Heating	1.1	X	22.0	5.8	19.4	Х
	Process Cooling and Refrigeration	0.6	X	X	X	X	X
	Machine Drive	5.6	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	4.1	Х	10.3	21.2	5.2	Х
	Facility HVAC (f)	6.5	Х	16.1	22.6	27.8	X
	Facility Lighting	4.2					
	Other Facility Support	3.1	Х	24.9	28.2	83.1	X
	Onsite Transportation	14.8		10.0	X	3.7	
	Conventional Electricity Generation		Х	0.1	X	X	X
	Other Nonprocess Use	0.1	Х	52.6	0.1	0.1	X
	End Use Not Reported	10.0	X	0.1	23.7	0.1	X
321219	Reconstituted Wood Products						
	TOTAL FUEL CONSUMPTION	7.0	X	5.5	4.6	11.1	0.1
	Indirect Uses-Boiler Fuel	0.1 0.1	X	0.1 X	0.1	0.1 0.1	0.1
	Conventional Boiler Use		X X	0.1	0.1 0.1	0.1	0.1
	CHP and/or Cogeneration Process Direct Uses-Total Process	7.3	^ X	0.1	5.5	20.0	X
	Process Heating	0.5	^ X	0.1	6.5	22.2	^
	Process Cooling and Refrigeration	0.3	^ X	X	X	X	<u>^</u>
	Machine Drive	8.3	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	6.4	X	6.3	7.1	15.4	X
	Facility HVAC (f)	9.5	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	14.1		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	0.1	X	X	X	X	X
3219	Other Wood Products						
	TOTAL FUEL CONSUMPTION	29.4	0.1	25.8	11.5	15.1	X
	Indirect Uses-Boiler Fuel	23.2	X	41.0	21.8	59.8	X
	Conventional Boiler Use CHP and/or Cogeneration Process	23.2	X	42.9	22.0	58.6	X
			X	96.8	26.9	60.5	
	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	23.4	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 (f)	45.8	X	72.4	13.3	44.7	X
	Facility Lighting Other Escility Support	9.4			 		
	Other Facility Support	17.1	X	X	32.7	66.5	X
	Onsite Transportation	19.2		32.6	22.5	19.8	
	Conventional Electricity Generation Other Nonprocess Use	33.8	X	59.8 79.1	96.6 X	45.3 70.0	X
	End Use Not Reported	47.0	X x	99.0	74.3	46.2	X
	LING OSC NOT REPORTED	47.U	^		74.5	40.2	X

322	PAPER						
	TOTAL FUEL CONSUMPTION	0.9	0.1	0.8	1.1	9.0	0.
	Indirect Uses-Boiler Fuel	1.6	0.1	0.9	1.1	34.7	0.
	Conventional Boiler Use	1.6	0.1	8.1	4.5	X	0
	CHP and/or Cogeneration Process		0.1	0.1	1.1	34.7	0.
	Direct Uses-Total Process	0.9	0.1	5.5	2.2	14.2	0.
	Process Heating	5.8	0.1	12.5	2.6	15.9	0
	Process Cooling and Refrigeration	5.4	X	X	0.1	X	
	Machine Drive	0.9	0.1	3.7	1.0	0.1	0.
	Electro-Chemical Processes	0.2					
	Other Process Use	2.5	X	4.0	6.0	49.8	0
	Direct Uses-Total Nonprocess	2.8	0.1	0.1	5.2	8.0	0
	Facility HVAC (f)	4.5	0.1	0.1	6.6	19.6	0
	Facility Lighting	2.1					
	Other Facility Support	2.7	Х	39.5	6.0	19.8	
	Onsite Transportation	11.5		0.1	65.7	8.3	
	Conventional Electricity Generation		0.1	12.0	1.0	92.3	0
	Other Nonprocess Use	51.1	0.1	0.3	50.4	6.0	
	End Use Not Reported	13.8	0.1	4.7	97.4	54.5	0
322110	Pulp Mills						
	TOTAL FUEL CONSUMPTION	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
	Conventional Boiler Use	0.0	X	0.0	X	X	
	CHP and/or Cogeneration Process		0.0	0.0	0.0	0.0	0
	Direct Uses-Total Process	0.0	0.0	0.0	0.0	0.0	
	Process Heating	0.0	0.0	0.0	0.0	0.0	
	Process Cooling and Refrigeration	0.0	X	X	X	X	
	Machine Drive	0.0	X	0.0	X	X	
	Electro-Chemical Processes	X					
	Other Process Use	X	X	X	X	X	
	Direct Uses-Total Nonprocess	0.0	` x	0.0	0.0	0.0	
		0.0	^	X	0.0	0.0	
	Facility HVAC (f)	0.0					
	Facility Lighting						
	Other Facility Support	0.0	X	X	0.0	0.0	
	Onsite Transportation	0.0	 	0.0	X	0.0	
	Conventional Electricity Generation		X	X	X	X	
	Other Nonprocess Use End Use Not Reported	X X	X X	X X	X Х	X 0.0	
322121	Paper Mills, except Newsprint						
	TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.
	Indirect Uses-Boiler Fuel	0.1	0.1	0.1	0.1	0.1	0.
	Conventional Boiler Use	0.1	0.1	0.1	0.1	x	0.
	CHP and/or Cogeneration Process		0.1	0.1	0.1	0.1	0.
	Direct Uses-Total Process	0.1	0.1	0.1	0.1	0.1	0
	Process Heating	0.1	0.1	0.1	0.1	0.1	0
	Process Cooling and Refrigeration	0.1	X	X	0.1	X	<u>-</u>
	Machine Drive	0.1	0.1	0.1	0.1	0.1	0
	Electro-Chemical Processes	0.1					
		0.1	X	0.1	0.1		
	Other Process Use					X 0.1	0
	Direct Uses-Total Nonprocess	0.1	0.1	0.0	0.1	0.1	0
	Facility HVAC (f)	0.1	0.1	0.1	0.1	0.1	0
	Facility Lighting	0.1					
	Other Facility Support	0.1	X	0.1	0.1	0.1	
	Onsite Transportation	0.0		0.1	0.1	0.1	
	Conventional Electricity Generation		0.1	0.1	0.1	X	0
	Other Nonprocess Use	X	0.1	0.1	0.1	0.1	
	End Use Not Reported	X	X	0.1	X	0.1	0
322122	Newsprint Mills						
	TOTAL FUEL CONSUMPTION	0.0	x	0.0	0.0	0.0	0
	Indirect Uses-Boiler Fuel	0.0	X	0.0	0.0	X	0
	Conventional Boiler Use	0.0	X	X	0.0	X	
	CHP and/or Cogeneration Process		X	0.0	0.0	X	0
	Direct Uses-Total Process	0.0	X	0.0	0.0	0.0	<u>-</u>
		0.0	X	X	0.0		
	Process Heating	0.0	^	^	0.0	0.0	

	Machine Drive	0.0	Х	0.0	Х	х	х
	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 (f)	0.0	X	X	0.0	0.0	X
	Facility Lighting	0.0					
	Other Facility Support	0.0	X	X	0.0 X	X	X
	Onsite Transportation Conventional Electricity Generation	U.U 	X	0.0 X	X	0.0 X	X
	Other Nonprocess Use	X		0.0	^_X	X	^
	End Use Not Reported	0.0	X	X	X	X	X
322130	Paperboard Mills						
	TOTAL FUEL CONSUMPTION	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 (f)	0.0	0.0	0.0	0.0	0.0	X
	Facility Lighting 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	X	0.0	X
323	PRINTING AND RELATED SUPPORT						
323	FRINTING AND RELATED SUFFORT						
	TOTAL FUEL CONSUMPTION	17.5	51.8	25.1	20.0	33.8	X
	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 Machine Drive	24.9 20.9	X	X 23.2	98.2 39.9	X 22.8	X
	Electro-Chemical Processes	46.4	X	23.2	39.9	22.0	
	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 (f)	21.0	X	72.0	28.3	43.5	X
	Facility Lighting	13.8					
	Other Facility Support	14.1	Х	81.4	19.8	71.3	X
	Onsite Transportation	25.4		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	59.9	X	X	49.5	77.6	X
324	PETROLEUM AND COAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	0.1	5.2	1.7	0.3	0.2	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	1.6	0.1
	Direct Uses-Total Process	0.1	6.7	3.7	0.4	0.2	0.1
	Process Heating	0.7	4.1	6.8	0.5	0.1	X
	Process Cooling and Refrigeration Machine Drive	0.3 0.1	79.0 0.1	57.8 4.4	0.1 2.7	0.1 30.2	X
	Electro-Chemical Processes	0.1			2.7	30.2	^
	Other Process Use	3.7	61.5	14.6	0.3	3.7	0.1
	Direct Uses-Total Nonprocess	0.4	0.1	1.1	2.0	6.6	0.1
	Facility HVAC (f)	0.3	0.1	27.3	3.6	3.0	X
	Facility Lighting	0.4					
	Other Facility Support	0.5	Х	2.6	4.1	0.2	Х
	Onsite Transportation	21.8		1.1	40.2	9.3	
	Conventional Electricity Generation		X	0.5	0.1	6.7	X

	Other Nonprocess Use End Use Not Reported	2.1 1.4	X 0.1	1.1 17.6	1.8	0.1 1.1	0.1 X
324110	Petroleum Refineries						
	TOTAL FUEL CONSUMPTION	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		Х	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	0.5	0.1	0.1	0.2	0.1	X
	Process Cooling and Refrigeration	0.3	X	X	0.1	0.1	X
	Machine Drive	0.1	X	0.1	0.1	0.1	X
	Electro-Chemical Processes	0.1 0.1	X	0.1	0.1		X
	Other Process Use Direct Uses-Total Nonprocess	0.1	x	0.1	1.1	0.1 0.5	······································
	Facility HVAC (f)	0.1	x	0.1	2.5	0.1	
	Facility Lighting	0.2					
	Other Facility Support	0.2	Х	0.1	6.0	0.1	X
	Onsite Transportation	X		0.1	X	0.1	
	Conventional Electricity Generation		Х	0.1	0.1	6.7)
	Other Nonprocess Use	0.1	X	0.1	0.1	X)
	End Use Not Reported	0.1	0.1	0.1	0.1	0.1	>
324121	Asphalt Paving Mixture and Block						
	TOTAL FUEL CONSUMPTION	3.5	13.5	3.8	5.6	6.0	У
	Indirect Uses-Boiler Fuel	4.0	X	2.5	7.3	47.5	×
	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	3.6 9.1	13.5 10.1	5.3 7.8	6.4 7.5	4.8 5.5	>
	Process Heating Process Cooling and Refrigeration	6.6	79.0	 57.8	0.1	3.5 X))
	Machine Drive	3.6	0.1	8.2	9.8	^ 11.5	
	Electro-Chemical Processes	4.5					
	Other Process Use	1.0	61.5	14.1	5.6	13.0	· · · · · · · · · · · · · · · · · · ·
	Direct Uses-Total Nonprocess	5.4	0.1	3.9	8.9	26.9	x
	Facility HVAC (f)	6.7	0.1	11.4	9.5	32.4	×
	Facility Lighting	6.1					
	Other Facility Support	4.7	X	3.9	11.9	11.0	>
	Onsite Transportation	19.7		4.4	59.7	49.8	
	Conventional Electricity Generation		X	1.2	0.1	X	>
	Other Nonprocess Use End Use Not Reported	16.1 36.4	X X	21.5 54.8	28.5 42.2	0.1 42.4	> >
324122	Asphalt Shingle and Coating Materials						
	TOTAL FUEL CONSUMPTION	0.9	0.1	19.7	1.3	19.7	0.1
	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	>
	Direct Uses-Total Process	0.7	X	45.9	1.1	65.5	0.1
	Process Heating	7.2	X	26.8	1.1	6.5	×
	Process Cooling and Refrigeration	2.2	X	X	0.1	X	>
	Machine Drive	0.5	X	68.7	0.1	79.6	×
	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 (f)	0.7 4.3	X	0.1	1.3	0.1	>
	Facility Lighting Other Facility Support	2.8	Х	0.1	2.3	0.1	
	Onsite Transportation	0.4	-	0.1	0.1	4.2	
	Conventional Electricity Generation		X	0.1	0.1	X	
	Other Nonprocess Use	X	X	5.4	76.6	0.1	
	End Use Not Reported	X	X	0.1	X	31.1	
324199	Other Petroleum and Coal Products						
	TOTAL FUEL CONSUMPTION	0.0	X	0.0	0.0	0.0	0.0
	Indirect Uses-Boiler Fuel	0.0	Х	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	х	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	Х	Х	X	0.0	Х
	Machine Drive	0.0	Х	0.0	X	X	X
	Electro-Chemical Processes	X					
	Other Process Use	0.0	Х	0.0	X	0.0	0.0
	Direct Uses-Total Nonprocess	0.0	X	0.0	0.0	0.0	0.0
	Facility HVAC (f)	0.0	Х	0.0	0.0	0.0	Х
	Facility Lighting	0.0					
	Other Facility Support	0.0	Х	Х	0.0	0.0	Х
	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	x	X	X	X	0.0	X
325	CHEMICALS						
	TOTAL FUEL CONSUMPTION	1.4	4.8	4.2	1.0	6.5	3.3
	Indirect Uses-Boiler Fuel	4.0	4.8	7.7	1.5	8.9	2.4
	Conventional Boiler Use	4.0	0.2	15.3	3.9	7.0	2.4
	CHP and/or Cogeneration Process		24.4	8.8	1.5	12.7	2.8
	Direct Uses-Total Process	1.3	24.1	4.4	1.1	9.5	30.8
	Process Heating	3.3	24.1	39.4	1.3	17.0	30.9
	Process Cooling and Refrigeration	1.9	X	30.8	9.6	67.6	X
	Machine Drive	1.8	X	3.6	2.1	39.9	70.3
	Electro-Chemical Processes	0.7					
	Other Process Use	7.3	X	6.1	4.2	11.2	X
	Direct Uses-Total Nonprocess	3.9	0.1	7.3	4.0	14.3	25.8
	Facility HVAC (f)	4.1	0.1	68.0	4.1	36.3	25.8
	Facility Lighting	5.0					
	Other Facility Support	3.7	X	2.3	6.7	19.6	X
	Onsite Transportation	10.9		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	42.6	X
	End Use Not Reported	16.0	X	8.2	14.0	3.0	6.1
225110	Petrochemicals						
325110	Petrochemicals						
	TOTAL FUEL CONSUMPTION	0.1	X	0.1	0.1	0.3	X
	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	0.1	X	0.1	0.1	76.5	X
	Facility HVAC (f)	0.2	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	X	X	0.1	X	0.1	X
325120	Industrial Gases						
	TOTAL FUEL CONSUMPTION	6.9	X	37.8	1.4	50.2	X
	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
			X	30.0	15.0	73.7	X
	CHP and/or Cogeneration Process		X	5.9	1.9	X	X
	CHP and/or Cogeneration Process Direct Uses-Total Process	6.8					
	Direct Uses-Total Process	6.8	X	19.5	3.8	Х	X
						X X	x
	Direct Uses-Total Process Process Heating	13.0	X	19.5	3.8		
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	13.0 8.6	X X	19.5 57.0	3.8 19.1	X	X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	13.0 8.6 7.1 24.5	X X X	19.5 57.0 0.2	3.8 19.1 0.8	X X	X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	13.0 8.6 7.1	X X X	19.5 57.0 0.2	3.8 19.1 0.8	X X	X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	13.0 8.6 7.1 24.5 X	x x x - x	19.5 57.0 0.2 X	3.8 19.1 0.8 0.8	x x x	X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	13.0 8.6 7.1 24.5 X 8.9	X X X X	19.5 57.0 0.2 X 55.5	3.8 19.1 0.8 0.8 0.2	X X X 56.3	X X X X

	Other Facility Support	25.7	Х	19.1	36.3	37.3	х
	Onsite Transportation	76.4		66.2	51.1	64.4	
	Conventional Electricity Generation		X	X	X	X)
	Other Nonprocess Use	85.4	X	13.9	X	X	
	End Use Not Reported	0.1	X	X	X	85.9	
325180	Other Basic Inorganic Chemicals						
	TOTAL FUEL CONSUMPTION	1.6	X	3.0	3.2	14.5	0.1
	Indirect Uses-Boiler Fuel	6.3	Х	13.5	3.8	21.7	0.1
	Conventional Boiler Use	6.3	X	17.7	5.4	83.1	0.
	CHP and/or Cogeneration Process		X	20.9	5.1	22.0	0.:
	Direct Uses-Total Process	1.4	X	19.2	3.9	19.3	0.
	Process Heating	7.3 2.6	X x	39.5 0.1	7.5 14.5	19.4 X	0.
	Process Cooling and Refrigeration Machine Drive	3.4	X	5.1	3.2	0.1	
	Electro-Chemical Processes	1.2					
	Other Process Use	9.5	X	0.1	0.1	0.1	
	Direct Uses-Total Nonprocess	6.6	X	2.1	11.0	15.3	
	Facility HVAC (f)	8.0	Х	0.8	11.0	47.1	
	Facility Lighting	5.9					
	Other Facility Support	6.2	Х	0.1	32.4	42.8	
	Onsite Transportation	32.9		2.3	X	12.8	
	Conventional Electricity Generation		X	17.5	X	X	
	Other Nonprocess Use	0.1	X	53.0	X	0.1	
	End Use Not Reported	51.0	X	X	52.7	35.4	
325193	Ethyl Alcohol						
	TOTAL FUEL CONSUMPTION	3.1	X	25.8	3.8	8.6	2.
	Indirect Uses-Boiler Fuel	10.4	X	X	5.7	X	5.
	Conventional Boiler Use	10.4	Х	X	10.1	Х	0.
	CHP and/or Cogeneration Process		X	X	5.9	X	7.
	Direct Uses-Total Process	3.1	X	43.0	2.7	0.1	9.
	Process Heating	4.2	X	X	3.0	X	9.
	Process Cooling and Refrigeration	5.0	X	X	0.1	X	
	Machine Drive	3.0	X	43.0	29.1	0.1	
	Electro-Chemical Processes Other Process Use	7.2 32.2	X	X	13.7	X	
	Direct Uses-Total Nonprocess	6.9	X	24.2	5.0	9.8	
	Facility HVAC (f)	11.7	X	X	5.9	71.6	
	Facility Lighting	4.3					
	Other Facility Support	4.3	Х	0.1	6.8	0.1	
	Onsite Transportation	13.1		25.7	0.1	0.4	
	Conventional Electricity Generation		X	64.6	X	X	
	Other Nonprocess Use	χ	X	6.7	0.1	X	
	End Use Not Reported	36.1	X	0.1	53.1	0.1	0.
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals						
	TOTAL FUEL CONSUMPTION	0.0	X	0.0	0.0	0.0	
	Indirect Uses-Boiler Fuel	0.0	X	0.0	0.0	X	
	Conventional Boiler Use	0.0	X	0.0	0.0	X	
	CHP and/or Cogeneration Process		X	X	0.0	X	
	Direct Uses-Total Process	0.0	X	0.0	0.0	0.0	
	Process Heating Process Cooling and Refrigeration	0.0 0.0	X x	0.0	0.0 X	0.0 X	
	Machine Drive	0.0	x	0.0	X	X	
	Electro-Chemical Processes	0.0					
	Other Process Use	0.0	X	0.0	0.0	0.0	
	Direct Uses-Total Nonprocess	0.0	Х	0.0	0.0	0.0	
	Facility HVAC (f)	0.0	X	0.0	0.0	0.0	
	Facility Lighting	0.0					
	Other Facility Support	0.0	X	X	0.0	0.0	
	Onsite Transportation	0.0		0.0	X	0.0	
	Conventional Electricity Generation	 V	X	0.0	X	X	
	Other Nonprocess Use End Use Not Reported	X 0.0	X X	X	0.0 X	X	
		0.0					
325199	Other Basic Organic Chemicals						
	TOTAL FUEL CONSUMPTION	2.2	0.1	2.6	1.4	18.8	5.7

	Indirect Uses-Boiler Fuel	8.6	0.1	13.5	1.3	0.2	0.2
	Conventional Boiler Use	8.6	0.1	16.8	2.5	0.1	15.3
	CHP and/or Cogeneration Process		Х	0.1	1.7	74.2	0.1
	Direct Uses-Total Process	1.5	Х	1.3	2.6	23.1	Х
	Process Heating	7.6	Х	0.2	3.4	24.5	Х
	Process Cooling and Refrigeration	2.5	X	X	34.9	74.2	Х
	Machine Drive	1.6	X	0.1	0.2	43.2	X
	Electro-Chemical Processes	0.1					
	Other Process Use	13.6	X	11.1	4.0	0.1	X
	Direct Uses-Total Nonprocess	10.1	X	7.4	11.3	26.9	X
	Facility HVAC (f)	7.2	X	63.8	3.7	83.8	X
	Facility Lighting	14.8					
	Other Facility Support	3.1	X	1.3	3.7	46.2	X
	Onsite Transportation	29.5		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	36.2	X	18.6	61.5	10.0	25.7
325211	Plastics Materials and Resins						
	TOTAL FUEL CONSUMPTION	16	17.8	5.0	0.8	4.4	32.4
	Indirect Uses-Boiler Fuel	1.6 4.0	17.8	1.0	0.8	4.4	0.1
	Conventional Boiler Use	4.0	49.0	3.0	3.4	0.1	0.1
	CHP and/or Cogeneration Process	 	49.0 0.1	0.1	0.3	9.5	U.1 X
	Direct Uses-Total Process	1.5	50.0	1.6	2.6	1.6	58.0
	Process Heating	8.1	50.0	X	3.1	6.4	58.0
	Process Cooling and Refrigeration	3.6	X	43.6	0.1	89.5	X
	Machine Drive	2.1	X	1.6	0.3	65.1	X
	Electro-Chemical Processes	1.1					
	Other Process Use	10.3	X	40.1	6.9	0.4	X
	Direct Uses-Total Nonprocess	4.3	0.1	9.5	5.3	25.0	42.3
	Facility HVAC (f)	4.3	0.1	15.9	6.8	27.4	42.3
	Facility Lighting	5.5					
	Other Facility Support	5.6	X	20.8	4.2	23.6	Х
	Onsite Transportation	21.4		9.6	82.4	31.3	
	Conventional Electricity Generation		Х	15.0	77.1	X	Х
	Other Nonprocess Use	2.0	Х	14.3	72.5	1.3	Х
						4.4	
	End Use Not Reported	0.6	X	X	0.1	1.1	X
325212	End Use Not Reported Synthetic Rubber	0.6	X	X	0.1	1.1	X
325212	Synthetic Rubber						
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION	0.0	X	0.0	0.0	0.0	0.0
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	0.0	X	0.0	0.0	0.0	0.0
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	0.0	X X X	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 X	0.0 0.0 X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	0.0 0.0 0.0	X X X	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 X 0.0	0.0 0.0 X 0.0
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	0.0 0.0 0.0 	X X X X X	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0	0.0 0.0 X 0.0
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	0.0 0.0 0.0 0.0 0.0	X X X X X	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 0.0	0.0 0.0 X 0.0 X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	0.0 0.0 0.0 0.0 0.0	X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 0.0 X	0.0 0.0 X 0.0 X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	0.0 0.0 0.0 	X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 0.0 X X	0.0 0.0 X 0.0 X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 0.0 X X X 0.0	0.0 0.0 X 0.0 X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	0.0 0.0 0.0 	X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 X 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 0.0 X X X 0.0	0.0 0.0 X 0.0 X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X X	X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X X 0.0	0.0 0.0 X 0.0 X X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X X X	X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 X 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X X 0.0 X 0.0	0.0 0.0 X 0.0 X X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0 0.0 X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X X 0.0 	0.0 0.0 X 0.0 X X X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0 0.0 X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X 0.0 	0.0 0.0 X 0.0 X X X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0 0.0 X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X 0.0 	0.0 0.0 X 0.0 X X X X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0 0.0 X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X X 0.0 X 0.0 0.0 X	0.0 0.0 0.0 X 0.0 X X X X X X X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X 0.0 	0.0 0.0 X 0.0 X X X X X X X X
325212	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0 0.0 X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X X 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X X
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X X 0.0 0.0 X X X 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X 0.0 0.0 X X X 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X X
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X 0.0 0.0 X X X 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X X
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X 0.0 0.0 X X X 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X X
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X 0.0 0.0 X X 0.0 0.0	0.0 0.0 0.0 X X X X X X X X X X X X 0.0 0.0
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 0.0 X 0.0 0.0 X X 0.0 0.0	0.0 0.0 0.0 X X X X X X X X X X X X 0.0 0.0
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X 0.0 0.0
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 X 0.0 X X X X X X X X X X X X X
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X X
	Synthetic Rubber TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 X 0.0 X X X X X X X X X X X

	Direct Uses-Total Nonprocess	0.0	x	0.0	0.0	0.0	Х
	Facility HVAC (f)	0.0	X	X	0.0	0.0	Χ
	Facility Lighting	0.0					
	Other Facility Support	0.0	X	0.0	0.0	Х	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	Х	0.0	X
	End Use Not Reported	X	X	X	0.0	0.0	X
325311	Nitrogenous Fertilizers						
	TOTAL FUEL CONSUMPTION	4.0	0.1	4.6	3.3	0.7	X
	Indirect Uses-Boiler Fuel	1.4	0.1	X	0.4	0.1	^
	Conventional Boiler Use	1.4	X	x	0.4	X	^
	CHP and/or Cogeneration Process		0.1	X	0.5	0.1	X
	Direct Uses-Total Process	4.8	X	0.1	4.6	0.0	X
	Process Heating	0.2	X	0.1	5.1	0.0	X
	Process Cooling and Refrigeration	0.2	X	0.1	0.1	X	X
	Machine Drive	5.8	X	0.1	0.1	X	X
	Electro-Chemical Processes	0.1					
	Other Process Use	0.1	X	0.1	0.1	X	Х
	Direct Uses-Total Nonprocess	4.3	X	5.9	29.5	14.2	X
	Facility HVAC (f)	2.2	X	X	32.3	5.2	X
	Facility Lighting	7.1					
	Other Facility Support	3.9	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	Х	Х
	End Use Not Reported	0.0	X	X	0.1	0.1	X
325312	Phosphatic Fertilizers						
	TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0
	Indirect Uses-Boiler Fuel Conventional Boiler Use	0.0 0.0	0.0 X	0.0 X	0.0	0.0 X	0.0 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	<u>^</u>
	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	Х
	Facility HVAC (f)	0.0	X	X	0.0	0.0	Х
	Facility Lighting	0.0					
	Other Facility Support	0.0	X	X	0.0	Х	X
	Onsite Transportation	0.0		0.0	Х	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	X	X	0.0	x	X
3254	Pharmaceuticals and Medicines						
	TOTAL FUEL CONSUMPTION	10.5	X	31.9	2.5	23.2	0.1
	Indirect Uses-Boiler Fuel	3.5	X	0.2	2.4	16.1	0.1
	Conventional Boiler Use	3.5	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	11.0	x	35.4	3.3	23.1	X
	Process Heating	6.0	X	78.1	3.7	5.3	X
	Process Cooling and Refrigeration	10.3	X	0.1	56.5	X	X
	Machine Drive	13.6	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	10.7	X	64.3	11.1	35.0	0.1
	Facility HVAC (f)	9.8	X	82.8	12.3	25.7	0.1
	Facility Lighting	16.7					
	Other Facility Support	3.1	X	19.7	3.0	8.8	Х
	Onsite Transportation	4.7		8.0	11.2	13.9	
	Conventional Electricity Generation		Х	2.9	41.3	1.3	Х
	Other Nonprocess Use	8.3	X	9.9	8.3	66.5	X
	End Use Not Reported	17.1	X	22.0	97.5	X	X

	Pharmaceutical Preparation						
	TOTAL FUEL CONSUMPTION	1.8	Х	36.8	1.5	25.5	0.
	Indirect Uses-Boiler Fuel	7.1	Х	0.2	1.1	40.1	0.
	Conventional Boiler Use	7.1	X	0.1	1.6	0.4	0
	CHP and/or Cogeneration Process		X	1.3	1.5	83.8	0
	Direct Uses-Total Process	1.6	X	37.4	4.1	26.8	
	Process Heating	2.4	X	78.1	4.1	5.3	
	Process Cooling and Refrigeration	2.0	X	0.1	0.9	X	
	Machine Drive	2.0	X	0.1	47.6	0.1	
	Electro-Chemical Processes	4.4			47.0		
				40.2			
	Other Process Use	0.6	X	40.2	5.1	83.2	
	Direct Uses-Total Nonprocess	2.2	X	69.1	5.8	19.9	0
	Facility HVAC (f)	2.2	X	82.8	6.5	28.9	0
	Facility Lighting	2.3					
	Other Facility Support	4.3	X	23.3	2.6	11.0	
	Onsite Transportation	3.1		9.5	24.9	24.2	
	Conventional Electricity Generation		X	4.2	59.4	49.3	
	Other Nonprocess Use	11.1	X	0.2	12.1	0.1	
	End Use Not Reported	17.1	X	X	97.5	Х	
	District Clark Day Bloom of Charles						
325992	Photographic Film, Paper, Plate, and Chemicals						
	TOTAL FUEL CONSUMPTION	0.7	0.0	0.1	3.2	39.7	
	Indirect Uses-Boiler Fuel	0.1	0.0	0.1	0.1	0.1	
	Conventional Boiler Use	0.1	X	X	0.1	X	
	CHP and/or Cogeneration Process		0.0	0.1	0.0	0.1	
	Direct Uses-Total Process	0.9	Х	0.1	13.7	0.1	
	Process Heating	0.1	X	X	14.4	0.1	
	Process Cooling and Refrigeration	0.8	X	X	X	0.1	
	Machine Drive	1.3	X	0.1	0.1	0.1	
	Electro-Chemical Processes	0.1					
	Other Process Use	0.1	X	X	0.1	X	
	Direct Uses-Total Nonprocess	0.4	X	0.1	0.6	0.1	
	Facility HVAC (f)	0.5	X	0.1	0.6	0.1	
	Facility Lighting	0.2					-
	Other Facility Support	0.4	X	0.1	0.4	0.1	
	Onsite Transportation	1.6		0.1	X	0.1	-
	Conventional Electricity Generation		X	0.0	0.1	X]
	Other Nonprocess Use	0.1	X	0.1	0.1	X	
	End Use Not Reported	0.1	X	X	0.1	60.4	
6	PLASTICS AND RUBBER PRODUCTS						
	TOTAL FUEL CONSUMPTION	9.9	X	70.6	12.4	16.1	62.3
	Indirect Uses-Boiler Fuel	40.5	X	67.9	18.4	46.5	64.
	Conventional Boiler Use	40.5	x	67.9	27.3	46.6	97.
	CHP and/or Cogeneration Process		X	X	25.8	0.1	66.
	Direct Uses-Total Process	9.1	X	77.0	21.4	39.2	
	Process Heating	16.5	X	79.4	23.2	71.5	
	Process Cooling and Refrigeration	11.8	X	X	60.6	X	
	Machine Drive	9.9	X	41.5	48.2	67.7	
	Electro-Chemical Processes	56.2					
	Other Process Use	53.6	X	X	58.1	56.1	
	Direct Uses-Total Nonprocess	16.4	X	79.1	16.8	18.4	97.
	Facility HVAC (f)	16.7	Х	54.8	17.5	41.3	97.
	Facility Lighting	18.1					
	Other Facility Support	27.8	Х	73.1	30.7	98.9	
	Onsite Transportation	23.7		37.2	73.7	14.7	
	Conventional Electricity Generation		X	50.6	X	X	
	Other Nonprocess Use	96.7	X	97.0	97.2	99.0	
	End Use Not Reported	67.6	X	0.1	98.8	38.1	
7	NONMETALLIC MINERAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	3.5	5.6	16.9	4.1	14.9	0.
	Indirect Uses-Boiler Fuel	9.7	79.8	78.4	20.2	48.8	0.
	Conventional Boiler Use	9.7	X	85.6	17.2	66.5	
	CHP and/or Cogeneration Process		79.8	79.2	23.7	50.9	0.
	Direct Uses-Total Process	1.9	1.5	28.3	2.4	28.8	0.
	Process Heating	1.9	1.5	4.3	2.4	36.7	0.
	Process Cooling and Refrigeration	4.3	Х	X	4.1	0.1)

	Machine Drive	2.4	Х	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	6.0	99.0	16.3	9.1	10.7	61.7
	Facility HVAC (f)	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	10.6		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	65.5	X	27.3	55.4	45.0	0.1
327120	Clay Building Material and Refractories						
	TOTAL FUEL CONSUMPTION	1.8	59.3	8.0	3.3	4.7	3.2
	Indirect Uses-Boiler Fuel Conventional Boiler Use	22.1	X	X	4.1	X X	X
		22.1	X	X X	2.1 4.7	^X	X
	CHP and/or Cogeneration Process		59.3			0.7	
	Direct Uses-Total Process	1.8 3.6	59.3	3.4	3.6	1.5	3.5
	Process Cooling and Refrigeration	13.4	59.5 X	X X	X	X X	X
	Machine Drive	1.9	·X	7.9	0.1	2.2	
	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 (f)	8.6	x	22.1	3.9	9.5	X
	Facility FlyAC (1)	4.9					·^
	Other Facility Support	2.4	X	X	8.3	43.5	X
	Onsite Transportation	3.2		5.0	11.6	43.5	
	Conventional Electricity Generation		X	51.3	0.1	0.1	X
	Other Nonprocess Use	86.0	······································	40.8	0.1	X	X
	End Use Not Reported	0.1	x	0.1	0.1	33.0	0.1
327211	Flat Glass						
	TOTAL FUEL CONSUMPTION	0.0	X	0.0	0.0	0.0	Χ
	Indirect Uses-Boiler Fuel	0.0	X	X	0.0	X	Х
	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	Х	0.0	0.0	X
	Process Cooling and Refrigeration	0.0	X	Х	0.0	X	Х
	Machine Drive	0.0	Х	0.0	0.0	Х	X
	Electro-Chemical Processes	0.0					
	Other Process Use	0.0	Х	0.0	0.0	0.0	Х
	Direct Uses-Total Nonprocess	0.0	X	0.0	0.0	0.0	X
	Facility HVAC (f)	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	0.0	0.0	0.0	X
327212	Other Pressed and Blown Glass and Glassware						
	TOTAL FUEL CONSUMPTION	1.0	X	0.1	0.9	0.5	X
	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	0.0	1.0	0.3	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 (f)	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		x	0.1	x
	End Use Not Reported	X	X	X	X	18.4	X
327213	Glass Containers						
	TOTAL FUEL CONSUMPTION	0.0	X	0.0	0.0	0.0	x
	Indirect Uses-Boiler Fuel	0.0	X		0.0	0.0	X
	Conventional Boiler Use	0.0	X		0.0	X	X
	CHP and/or Cogeneration Process		Х	Х	0.0	0.0	Х
	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		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		X	X	X
	Direct Uses-Total Nonprocess	0.0	X		0.0	0.0	X
	Facility HVAC (f)	0.0	X		0.0	0.0	X
	Facility Lighting Other Facility Support	0.0	X		0.0	0.0	X
	Other Facility Support Onsite Transportation	0.0		0.0	X	0.0	
	Conventional Electricity Generation		X		x	X	X
	Other Nonprocess Use	X	X		X	X	X
	End Use Not Reported	X	X		X	0.0	X
	Liu Ose Not Reported						
327215	Glass Products from Purchased Glass						
	TOTAL FUEL CONSUMPTION	1.8	79.8	3.2	13.7	11.6	81.2
	Indirect Uses-Boiler Fuel	1.1	79.8	2.1	4.6	60.1	X
	Conventional Boiler Use	1.1	Х	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	17.0	X
	Direct Uses-Total Nonprocess	2.2	X	1.4	39.5	16.7	81.2
	Facility HVAC (f)	2.4	X	X	38.2	29.9	81.2
	Facility Lighting	2.0					
	Other Facility Support	4.2	X		66.7	45.7	X
	Onsite Transportation	1.5			0.1	9.5	
	Conventional Electricity Generation		X		7.9	0.1	X
	Other Nonprocess Use End Use Not Reported	11.7	X X		0.1	0.1	X X
	Ella dia Not ricported						
327310	Cements						
	TOTAL FUEL CONSUMPTION	0.8	0.1	6.4	2.1	1.2	0.5
	Indirect Uses-Boiler Fuel	18.6	X		0.1	X	0.1
	Conventional Boiler Use	18.6	Х	X	X	X	Х
	CHP and/or Cogeneration Process		X	X	0.1	X	0.1
	Direct Uses-Total Process	0.8	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	Х	Х	0.1	0.1	Х
	Machine Drive	1.1	X	32.3	16.7	0.1	30.3
	Electro-Chemical Processes	0.1					
	Other Process Use	0.1	Х	0.1	X	0.1	X
	Direct Uses-Total Nonprocess	1.1	X	0.8	2.2	1.7	X
	Facility HVAC (f)	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		X	X	X
	Other Nonprocess Use	0.5	X		X	0.1	X
	End Use Not Reported	0.1	X	0.1	0.1	0.1	X
327410	Lime						
	TOTAL FUEL CONSUMPTION	0.0	x	0.0	0.0	0.0	0.0
	Indirect Uses-Boiler Fuel	0.0	X		X	X	0.0 X
	Conventional Boiler Use	0.0	^ X			^_X	^
	CHP and/or Cogeneration Process		^ X		x		^
	S unayor cogeneration i rocess		^	·····	^		^

	Direct Uses-Total Process	0.0	Х	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	Х	Х
	Machine Drive	0.0	X	0.0	X	0.0	Х
	Electro-Chemical Processes	X					
	Other Process Use	0.0	X	0.0	X	0.0	Х
	Direct Uses-Total Nonprocess	0.0	X	0.0	0.0	0.0	X
	Facility HVAC (f)	0.0	Х	Х	0.0	0.0	Х
	Facility Lighting	0.0					
	Other Facility Support	0.0	Х	Х	0.0	X	Х
	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	0.0	X	0.0	X
327420	Gypsum						
	TOTAL FUEL CONSUMPTION	1.8	X	0.1	0.1	1.4	X
	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	2.3	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 (f)	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	X	X	X	X	X	X
327993	Mineral Wool						
	TOTAL FUEL CONSUMPTION	0.6	X	8.0	0.8	3.8	X
	Indirect Uses-Boiler Fuel	0.9	X	0.1	0.0	X	X
	Conventional Boiler Use	0.9	X	X	0.1	X	X
	CHP and/or Cogeneration Process						
			X	0.1	0.1	X	X
	Direct Uses-Total Process	0.6	X	0.1	0.6	X 0.0	X
	Direct Uses-Total Process Process Heating	0.6 0.1	X X X	0.1 X	0.6 0.6	X 0.0 0.1	X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	0.6 0.1 1.1	X X X	0.1 X X	0.6 0.6 0.1	X 0.0 0.1 0.1	X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	0.6 0.1 1.1 1.3	X X X X	0.1 X X 0.0	0.6 0.6 0.1 4.2	X 0.0 0.1	X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	0.6 0.1 1.1 1.3 0.1	X X X X	0.1 X X 0.0	0.6 0.6 0.1 4.2	X 0.0 0.1 0.1 0.1	X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use	0.6 0.1 1.1 1.3 0.1 0.1	X X X X X	0.1 X X 0.0 0.1	0.6 0.6 0.1 4.2 - 0.1	X 0.0 0.1 0.1 0.1 	X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	0.6 0.1 1.1 1.3 0.1 0.1 2.1	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4	0.6 0.6 0.1 4.2 0.1 4.3	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1	x x x x x x x
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f)	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5	X 0.0 0.1 0.1 0.1 	x x x x x x x x x x x x x x x x x x x
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1	X X X X X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9	X 0.0 0.1 0.1 0.1 0.1	X X X X X X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1	0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2	X X X X X X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X	X X X X X X X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4	X X X X X X X X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X	X X X X X X X X X X X
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4	X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4	X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1	x x x x x x x x x x x x x x x x x x x	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4 0.1	x x x x x x x x x x x x x x x x x x x
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 0.1	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.8	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4 0.1	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 1.1 2.3	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.1 0.1 X	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4 0.1 2.5 12.6	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 1.1 2.3 2.3	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.1 0.1 X 0.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6	X 0.0 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 2.1 2.3 2.3	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.1 0.1 0.1 0.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2	X 0.0 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 2.1 2.3 2.3 2.3	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.1 0.1 0.1 0.1 0.1 0.4	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2 0.7	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 2.3 2.3 2.3 1.2 1.6	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.1 0.1 0.1 0.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2 0.7 0.7	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9 3.4	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 2.1 2.3 2.3 2.3 1.2 1.6 0.9	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.1 0.1 0.1 0.1 0.1 1.0 0.1 0.1 0.1 0.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2 0.7 0.7 0.5	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9 3.4 0.1	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 2.3 2.3 2.3 2.3 1.2 1.6 0.9 3.1	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 X 0.1 0.1 0.1 0.1 0.1 0.1	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.1 0.1 0.6 0.8 2.7 0.2 0.7 0.7 0.5 12.5	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9 3.4 0.1 2.6	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 2.3 2.3 2.3 2.3 1.2 1.6 0.9 3.1 0.1	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 0.1 X 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2 0.7 0.7 0.5 12.5	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9 3.4 0.1 2.6	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processs Other Process Use	0.6 0.1 1.1 1.3 0.1 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 1.1 2.3 2.3 2.3 2.3 1.2 1.6 0.9 3.1 0.1 1.1	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 0.1 X 0.8 0.1 0.1 0.1 0.1 0.1 1.9	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2 0.7 0.7 0.5 12.5 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9 3.4 0.1 2.6	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	0.6 0.1 1.1 1.3 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 1.1 2.3 2.3 2.3 2.3 2.3 1.2 1.6 0.9 3.1 0.1 1.1 1.1	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 0.1 X 0.8 0.1 0.1 0.1 0.1 1.9 1.9	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2 0.7 0.7 0.5 12.5 0.1 0.9	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9 3.4 0.1 2.6 8.1 3.9	X X X X X X X X X X X X X X X X X X X
331	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PRIMARY METALS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processs Other Process Use	0.6 0.1 1.1 1.3 0.1 0.1 0.1 2.1 3.4 1.3 1.8 0.1 0.1 0.1 1.1 2.3 2.3 2.3 2.3 1.2 1.6 0.9 3.1 0.1 1.1	X X X X X X X X X X X X X X X X X X X	0.1 X X 0.0 0.1 8.4 0.1 0.1 22.1 0.1 0.1 X 0.8 0.1 0.1 0.1 0.1 0.1 1.9	0.6 0.6 0.1 4.2 0.1 4.3 4.5 2.9 0.1 X 0.1 0.1 0.6 0.8 2.7 0.2 0.7 0.7 0.5 12.5 0.1	X 0.0 0.1 0.1 0.1 0.1 0.1 5.1 0.1 5.2 X 57.4 0.1 2.5 12.6 0.1 14.5 2.9 3.4 0.1 2.6	X X X X X X X X X X X X X X X X X X X

	Other Facility Support	1.9	Х	11.2	0.6	2.9	х
	Onsite Transportation	1.0		1.0	0.3	4.2	
	Conventional Electricity Generation		X	1.3	53.6	13.8	X
	Other Nonprocess Use	2.4	X	0.1	0.2	8.2	X
	End Use Not Reported	0.4	0.1	0.1	0.5	11.6	X
331110	Iron and Steel Mills and Ferroalloys						
	TOTAL FUEL CONSUMPTION	0.2	0.1	0.1	0.3	0.3	0.1
	Indirect Uses-Boiler Fuel	1.3	0.1	X	1.2	0.1	Х
	Conventional Boiler Use	1.3	0.1	X	3.7	X	Х
	CHP and/or Cogeneration Process		0.1	Х	0.1	0.1	Х
	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	0.3	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	1.2	X	0.1	0.3	0.5	X
	Facility HVAC (f)	0.8	X	0.1	0.4	0.1	X
	Facility Lighting	1.9					
	Other Facility Support	0.4	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	X
3312	Steel Products from Purchased Steel						
	TOTAL FUEL CONSUMPTION	19.6	X	6.2	F 0	12.0	v
		18.6 3.5	X	0.1	5.8 5.2	13.8 0.1	X
	Indirect Uses-Boiler Fuel Conventional Boiler Use	3.5	x	X	7.5	X X	X
	CHP and/or Cogeneration Process		^ X	0.1	7.5	0.1	
	Direct Uses-Total Process	19.5	x	1.0	7.7	4.9	
	Process Heating	1.5	X	0.1	2.0	3.0	X
	Process Cooling and Refrigeration	2.2	x	97.5	31.6	X	X
	Machine Drive	29.2	X	0.1	85.8	10.3	X
	Electro-Chemical Processes	35.8					
	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 (f)	11.1	X	46.9	8.6	68.0	X
	Facility Lighting	14.8					
	Other Facility Support	26.2	X	X	6.4	3.0	Х
	Onsite Transportation	9.5		6.6	0.1	8.7	
	Conventional Electricity Generation		Х	66.3	0.1	97.5	Х
	Other Nonprocess Use	73.6	X	X	0.1	0.5	Х
	End Use Not Reported	0.1	X	0.1	0.1	65.4	X
3313	Alumina and Aluminum						
	TOTAL FUEL CONCUMPTION	^.		0.4	0.4	4.3	
	TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.4	1.2	X
	Indirect Uses-Boiler Fuel	0.4	0.1	X	1.2	2.8	X
	Conventional Boiler Use	0.4	0.1	X	12.4	0.1	X
	CHP and/or Cogeneration Process		X 0.1	X	0.1	33.9	X
	Direct Uses-Total Process	0.1	0.1	0.1	0.2	0.9	X
	Process Heating Process Cooling and Refrigeration	0.3 4.3	0.1 X	0.1 0.1	0.2 16.0	1.4 X	X
	Machine Drive	0.3		0.1	0.4	1.5	x
	Electro-Chemical Processes	0.3	X			1.5 	X
	Other Process Use	0.1	X	0.1	0.1	0.1	X
	Direct Uses-Total Nonprocess	0.1	0.1	0.1	1.2	2.6	x
	Facility HVAC (f)	0.3	0.1	0.1	0.4	5.1	<u>x</u>
	Facility Lighting	0.5					^
	Other Facility Support	0.6	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	4.6	X	0.1	0.1	1.1	X
331314	Secondary Smelting and Alloying of Aluminum						
	Community of the state of the s						
	TOTAL FUEL CONSUMPTION	0.1	X	0.1	0.1	0.1	X

	Indirect Uses-Boiler Fuel	0.1	х	х	0.1	Х	Х
	Conventional Boiler Use	0.1	X	X	0.1	X	Х
	CHP and/or Cogeneration Process		X	X	0.1	X	Х
	Direct Uses-Total Process	0.1	X	0.1	0.1	0.1	X
	Process Heating	0.1	X	0.1	0.1	0.1	Х
	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 (f)	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	X	X	0.1	0.1	X
						0.12	
331315	Aluminum Sheet, Plate and Foils						
	TOTAL FUEL CONCURSION						
	TOTAL FUEL CONSUMPTION	1.1	0.1	0.1	1.0	5.4	X
	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 (f)	3.6	X	X	0.1	X	X
	Facility Lighting	4.3					
	Other Facility Support	4.1	Х	Х	0.1	0.1	Х
	Onsite Transportation	22.5		0.1	0.1	6.2	
	Conventional Electricity Generation		Х	Х	Х	X	Х
	Other Nonprocess Use	0.1	Х	0.1	Х	Х	Х
	End Use Not Reported	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding						
	TOTAL FUEL CONSUMPTION	0.7	0.1	0.3	1.2	2.5	X
	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	1.0	X	0.1	6.3	1.6	X
	Electro-Chemical Processes	1.9					
	Other Process Use	0.1	X	0.1	0.0	0.0	X
	Direct Uses-Total Nonprocess	0.9	0.1	0.3	7.5	3.7	X
	Facility HVAC (f)	0.9	0.1	0.1	2.1	8.0	X
	Facility Lighting	1.2					
	Other Facility Support	2.2	X	X	5.7	33.9	Х
	Onsite Transportation	3.7		0.4	0.9	3.8	
	Conventional Electricity Generation		X	0.1	83.4	X	Х
	Other Nonprocess Use	0.1	Х	0.1	Х	Х	Х
	End Use Not Reported	4.8	X	0.1	0.1	23.6	X
3314	Nonferrous Metals, except Aluminum						
		2.2	·	2.2	20		
		2.2	х х	3.2 0.1	3.8 0.7	4.1 0.1	0.1
	TOTAL FUEL CONSUMPTION	1 /			U./	0.1	Х
	Indirect Uses-Boiler Fuel	1.6					
	Indirect Uses-Boiler Fuel Conventional Boiler Use	1.6	Х	0.1	1.2	0.1	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	1.6	X	0.1 0.1	1.2 0.8	0.1	X
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	1.6 2.3	X X X	0.1 0.1 1.9	1.2 0.8 5.3	0.1 0.1 0.3	X 0.1
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	1.6 2.3 1.9	X X X	0.1 0.1 1.9 0.1	1.2 0.8 5.3 5.4	0.1 0.1 0.3 0.2	0.1 X
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration	1.6 2.3 1.9 2.4	X X X X	0.1 0.1 1.9 0.1	1.2 0.8 5.3 5.4 X	0.1 0.1 0.3 0.2	X X 0.1 X X
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	1.6 2.3 1.9 2.4 7.7	X X X X X	0.1 0.1 1.9 0.1	1.2 0.8 5.3 5.4 X 2.4	0.1 0.1 0.3 0.2 X 0.1	0.1 X
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes	1.6 2.3 1.9 2.4 7.7 0.4	X X X X X	0.1 0.1 1.9 0.1 X 1.2	1.2 0.8 5.3 5.4 X 2.4	0.1 0.1 0.3 0.2 X 0.1	X 0.1 X X X
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive	1.6 2.3 1.9 2.4 7.7	X X X X X	0.1 0.1 1.9 0.1	1.2 0.8 5.3 5.4 X 2.4	0.1 0.1 0.3 0.2 X 0.1	X 0.1 X X

	Direct Uses-Total Nonprocess	2.9	Х	5.1	3.8	14.2	х
	Facility HVAC (f)	2.3	Х	13.2	4.1	23.9	Х
	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	2.6	X	0.1	5.7	24.8	X
	End Use Not Reported	0.1	X	X	x	20.5	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining						
	TOTAL FUEL CONSUMPTION	0.7	X	0.1	0.9	4.1	0.0
	Indirect Uses-Boiler Fuel	0.0	X	0.0	0.1	X	X
	Conventional Boiler Use CHP and/or Cogeneration Process	0.0	X x	0.1	0.1	X X	x
	Direct Uses-Total Process	0.7	^ X	0.0	0.8	11.7	0.0
	Process Heating	0.5	X	0.0	0.5	0.0	X
	Process Cooling and Refrigeration	0.8	X	X	X	X	X
	Machine Drive	0.8	Х	0.0	0.0	X	Х
	Electro-Chemical Processes	0.2					
	Other Process Use	2.6	X	0.0	11.9	50.8	0.0
	Direct Uses-Total Nonprocess	1.4	X	0.0	8.0	0.1	X
	Facility HVAC (f)	2.7	X	X	9.6	0.0	X
	Facility Lighting	1.3					
	Other Facility Support	1.5	X	X	0.1	0.0	X
	Onsite Transportation	0.0	X	0.0	0.0	0.0 X	
	Conventional Electricity Generation Other Nonprocess Use	0.1	x x	0.0	X	0.1	X
	End Use Not Reported	0.1	^ X	X	X	0.1	^
3315	Foundries						
	TOTAL FUEL CONSUMPTION	6.8	0.1	4.9	4.4	4.9	0.1
	Indirect Uses-Boiler Fuel Conventional Boiler Use	15.8 15.8	X X	0.1	7.3 3.2	13.7 0.1	X
	CHP and/or Cogeneration Process		^ X	0.1	15.2	15.1	^
	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	Х	X	43.8	0.1	Х
	Machine Drive	4.0	0.1	6.5	8.9	4.2	Х
	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 (f)	5.2	0.1	17.6	1.7	2.7	X
	Facility Lighting Other Facility Support	5.0 6.1	X	36.5	5.5		X
	Onsite Transportation	0.1		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	8.2	X	79.6	19.7	14.7	Х
331511	Iron Foundries						
	TOTAL FUEL CONSUMPTION	2.5	0.0	1.9	1.4	3.6	0.1
	Indirect Uses-Boiler Fuel	9.1	X	0.1	11.2	82.1	X
	Conventional Boiler Use	9.1	X	X	3.7	0.1	Х
	CHP and/or Cogeneration Process		Х	0.1	12.7	89.0	X
	Direct Uses-Total Process	1.9	X	7.1	1.5	3.3	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	3.6	X
	Electro-Chemical Processes Other Process Use	22.7 7.7	X		 5.2	0.1	X
	Direct Uses-Total Nonprocess	5.6	0.0	1.8	1.9	3.9	x
	Facility HVAC (f)	4.6	0.0	18.5	2.1	3.1	^
	Facility Lighting	9.4					-
	Other Facility Support	2.0	Х	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	0.1	X	79.6	79.4	52.2	X

	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported	1.2 21.0 21.0 1.1 2.0 1.2 1.2 23.2 0.4 3.7 2.5 2.5 15.7 2.4	X X X X X X X X X	3.6	1.4 13.6 0.1 56.6 1.4 1.4 92.1 62.8 3.2 3.9	9.5 X X X 15.5 18.5 X 1.6 0.2	
	Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	21.0 1.1 2.0 1.2 1.2 23.2 0.4 3.7 2.5 2.5 15.7 2.4	X X X X X X X	X X 3.3 X X X 3.5 	0.1 56.6 1.4 1.4 92.1 62.8 	X X 15.5 18.5 X 1.6	
	CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	1.1 2.0 1.2 1.2 23.2 0.4 3.7 2.5 2.5 2.5 15.7	X X X X X X X X X X X X X X X X X X X	X 3.3 X X X 0.1 3.9	56.6 1.4 1.4 92.1 62.8 	X 15.5 18.5 X 1.6	
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	1.1 2.0 1.2 1.2 23.2 0.4 3.7 2.5 2.5 15.7 2.4	X X X X X X	3.3 X X 3.5 0.1 3.9	1.4 1.4 92.1 62.8 - 3.2 3.9	15.5 18.5 X 1.6	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	2.0 1.2 1.2 23.2 0.4 3.7 2.5 2.5 15.7 2.4	X X X X X X	X X 3.5 0.1 3.9	1.4 92.1 62.8 3.2 3.9	18.5 X 1.6 0.2	
	Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	1.2 1.2 23.2 0.4 3.7 2.5 2.5 15.7	X X X X X	X 3.5 0.1 3.9	92.1 62.8 3.2 3.9	X 1.6 0.2	
	Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	1.2 23.2 0.4 3.7 2.5 2.5 15.7 2.4	X X X X	3.5 0.1 3.9	62.8 3.2 3.9	1.6 0.2	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	23.2 0.4 3.7 2.5 2.5 15.7 2.4	X X X	0.1 3.9	3.2 3.9	0.2	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	23.2 0.4 3.7 2.5 2.5 15.7 2.4	X X X	0.1 3.9	3.2 3.9	0.2	
	Other Process Use Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	0.4 3.7 2.5 2.5 15.7 2.4	X X	3.9	3.9		
	Direct Uses-Total Nonprocess Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	3.7 2.5 2.5 15.7 2.4	X X	3.9	3.9		
	Facility HVAC (f) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	2.5 2.5 15.7 2.4	X 			4.7	
	Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	2.5 15.7 2.4		0.1	2.2		
	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	15.7 2.4			3.3	14.4	
	Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	2.4	X				
	Conventional Electricity Generation Other Nonprocess Use			0.1	13.6	34.2	
	Other Nonprocess Use			6.7	32.2	4.8	
			X	2.7	X	X	
	End Use Not Reported	0.1	X	0.1	0.1	X	
1524		1.8	X	X	X	1.3	
1524							
	Aluminum Foundries, except Die-Casting						
	TOTAL FUEL CONSUMPTION	3.9	0.1	54.9	11.7	4.4	
	Indirect Uses-Boiler Fuel	5.2	X	0.1	6.5	0.1	
	Conventional Boiler Use	5.2	X	0.1	3.9	0.1	
	CHP and/or Cogeneration Process		X	0.1	18.3	0.1	
	Direct Uses-Total Process	4.7	0.1	12.5	13.4	1.9	
	Process Heating	2.0	Х	13.0	13.8	1.4	
	Process Cooling and Refrigeration	0.6	X	X	8.5	X	
	Machine Drive	8.8	0.1	63.9	2.2	5.0	
	Electro-Chemical Processes	0.1					
	Other Process Use	0.1	X	0.1	1.3	28.1	
						10.8	
	Direct Uses-Total Nonprocess	1.8	X	75.5	1.4		
	Facility HVAC (f)	1.4	X	0.1	1.5	1.9	
	Facility Lighting	2.1					
	Other Facility Support	3.5	X	X	2.0	0.1	
	Onsite Transportation	5.0		75.9	18.8	15.6	
	Conventional Electricity Generation		X	X	0.1	X	
	Other Nonprocess Use	40.9	Х	Х	Х	1.2	
	End Use Not Reported	4.8	x	x	0.1	6.4	
	FABRICATED METAL PRODUCTS						
	TOTAL FUEL CONSUMPTION	8.8	X	29.7	12.0	19.6	
!	Indirect Uses-Boiler Fuel	54.8	X	X	34.4	72.4	
	Conventional Boiler Use	54.8	X	X	53.4	78.0	
	CHP and/or Cogeneration Process		Х	X	41.3	99.5	
1	Direct Uses-Total Process	9.1	X	64.9	14.9	38.6	
	Process Heating	15.8	X	99.5	15.6	52.9	
	Process Cooling and Refrigeration	20.3	X	X	88.2	X	
	Machine Drive	11.1	X	54.4	51.6	48.1	
	Electro-Chemical Processes	37.5					
	Other Process Use	35.6	X	74.3	61.5	73.4	
	Direct Uses-Total Nonprocess	11.6	X	30.4	11.5	22.1	
	Facility HVAC (f)	13.6	X	57.7	11.8	53.3	
	Facility Lighting	13.1					
	Other Facility Support	28.0	X	97.6	31.6	97.7	
	Onsite Transportation	26.4		35.1	67.4	20.2	
	Conventional Electricity Generation		X	64.0	92.1	X	
	Other Nonprocess Use	44.0	X	67.7	87.9	96.6	
	End Use Not Reported	71.1	X	X	54.1	64.6	
	MACHINERY						
	TOTAL FUEL CONSUMPTION	8.6	99.0	33.6	12.3	29.8	
	Indirect Uses-Boiler Fuel	24.0	X	0.1	28.3	98.7	
	Conventional Boiler Use	24.0	X	0.1	25.6	X	
	CHP and/or Cogeneration Process		X	0.1	38.4	 98.7	
	Direct Uses-Total Process	9.5	X	39.8	21.7	39.5	
	Process Heating Process Cooling and Refrigeration	19.5 20.7	X X	99.0	23.5 61.3	77.5 99.0	

	Machine Drive	10.0	Х	64.7	42.3	54.4	х
	Electro-Chemical Processes	42.9					
	Other Process Use	27.3	X	40.1	65.6	52.6	Х
	Direct Uses-Total Nonprocess	10.1	99.0	62.7	11.7	31.0	Х
	Facility HVAC (f)	12.6	99.0	56.1	11.9	62.2	Х
	Facility Lighting	9.9					
	Other Facility Support	14.0	X	99.0	29.0	52.1	Х
	Onsite Transportation	21.4		37.9	73.5	18.0	
	Conventional Electricity Generation		X	16.4	98.8	99.0	Х
	Other Nonprocess Use	56.7	99.0	75.7	67.3	26.5	Х
	End Use Not Reported	69.9	X	99.0	73.8	49.9	Х
224	COMPUTER AND ELECTRONIC PRODUCTS						
334	COMPUTER AND ELECTRONIC PRODUCTS						
	TOTAL FUEL CONSUMPTION	4.2	0.1	45.2	12.5	29.3	X
	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	Х
	CHP and/or Cogeneration Process		X	X	15.0	0.1	Х
	Direct Uses-Total Process	5.1	X	64.4	38.5	37.6	Х
	Process Heating	14.1	X	90.4	49.9	92.8	Х
	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 (f)	4.5	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	25.2	X	X	32.2	81.3	X
334413	Semiconductors and Related Devices						
	TOTAL FUEL CONSUMPTION	1.3	0.1	0.9	1.5	4.8	X
	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 Direct Uses-Total Nonprocess	1.9 1.6	0.1	2.4	2.0 3.4	X 5.8	X
	Facility HVAC (f) Facility Lighting	1.5 2.8	0.1	0.1	3.8	12.8	X
	Other Facility Support	0.6	X	0.1	0.5	0.1	X
	Onsite Transportation	0.1		0.1	X	1.1	<u>^</u>
	Conventional Electricity Generation		X	6.9	1.9	X	X
	Other Nonprocess Use	2.0	X	0.1	3.7	0.1	<u>^</u>
	End Use Not Reported	13.9	X	X	32.2	X	X
335	ELEC. EQUIP., APPLIANCES, COMPONENTS						
	TOTAL FUEL CONSUMPTION	8.5	X	33.6	9.7	50.0	X
	Indirect Uses-Boiler Fuel	44.2	X	33.0 X	28.2	89.5	X
	Conventional Boiler Use	44.2	X	X	31.2	89.5	<u>^</u>
	CHP and/or Cogeneration Process		X	X	50.9	X	X
	Direct Uses-Total Process	9.1	X	94.7	11.7		^ X
	Process Heating	12.5	X	82.7	12.1	60.1	X
	Process Cooling and Refrigeration	21.0	` x	X	36.8	X	<u>^</u>
	Machine Drive	11.4	X	95.7	81.0	91.4	<u>^</u>
	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	<u>^</u>
	Facility HVAC (f)	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	Х	39.7	91.4	91.9	х
	End Use Not Reported	98.9	X	45.9	X	72.9	X
336	TRANSPORTATION EQUIPMENT						
	TOTAL FUEL CONSUMPTION	5.1	0.1	34.0	5.5	16.3	0.1
	Indirect Uses-Boiler Fuel	19.7	0.1	8.9	7.0	68.3	0.1
	Conventional Boiler Use	19.7	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	5.7	X	58.4	7.4	29.4	>
	Process Heating	12.4	X	18.2	7.8	30.1)
	Process Cooling and Refrigeration	7.1	X	X	7.7	45.2)
	Machine Drive	7.1	X	59.5	66.2	43.4	x
	Electro-Chemical Processes	29.5					
	Other Process Use	19.0	X	0.7	22.4	62.9	x
	Direct Uses-Total Nonprocess	5.9	X	39.8	8.7	18.1	x
	Facility HVAC (f)	6.7	X	54.2	8.4	22.7	>
	Facility Lighting	5.7	-				
	Other Facility Support	10.4	X	58.5	13.6	35.1	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	25.0	
	End Use Not Reported	43.2	X	86.4	44.8	64.0	x
336111	Automobiles						
	TOTAL FUEL CONSUMPTION	0.0	X	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	>
	Process Heating	0.0	X	X	0.0	0.0)
	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 (f)	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 X	
	Conventional Electricity Generation Other Nonprocess Use	0.0	X x	0.0	X	X	x
	End Use Not Reported	0.0	X	X	0.0	X	×
336112	Light Trucks and Utility Vehicles						
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	0.0 0.0	X x	0.0 X	0.0	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).c
	Direct Uses-Total Process	0.0	X	0.0	0.0	0.0	
	Process Heating	0.0	X	X	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	У
	Direct Uses-Total Nonprocess	0.0	X	0.0	0.0	0.0	У
	Facility HVAC (f)	0.0	X	X	0.0	0.0	×
	Facility Lighting	0.0					
	Other Facility Support	0.0	Х	0.0	0.0	Х	У
	Onsite Transportation	0.0		0.0	0.0	0.0	
	Conventional Electricity Generation		X	0.0	X	X)
	Other Nonprocess Use	0.0	X	0.0	X	0.0	
	End Use Not Reported	X	X	0.0	X	X	
3364	Aerospace Products						
	TOTAL FUEL CONSUMPTION	6.6	0.1	68.1	6.4	14.2	x
	Indirect Uses-Boiler Fuel	14.7	0.1	0.1	6.8	0.1	X
	Conventional Boiler Use	14.7	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	5.9	Х	92.8	6.3	27.1	х
	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	21.6					
	Other Process Use	27.8	Х	4.6	0.8	3.3	X
	Direct Uses-Total Nonprocess	7.8	X	77.2	12.8	15.7	X
	Facility HVAC (f)	7.1	X	6.2	13.7	34.6	X
	Facility Lighting	9.9					
	Other Facility Support	8.5	X	66.2	10.3	1.6	X
	Onsite Transportation	7.6		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	0.1	X	0.1	0.1	5.8	X
336411	Aircraft						
	TOTAL FUEL CONSUMPTION	19.0	0.1	84.4	14.0	3.2	X
	Indirect Uses-Boiler Fuel	28.6	0.1	0.1	0.2	0.1	^
	Conventional Boiler Use	28.6	0.1	0.1	0.2	0.1	^
	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 (f)	17.6	Х	0.1	28.3	18.4	X
	Facility Lighting	23.0					
	Other Facility Support	16.4	Х	X	16.9	0.1	Х
	Onsite Transportation	21.4		90.5	12.1	2.9	
	Conventional Electricity Generation		Х	Х	0.1	Х	Х
	Other Nonprocess Use	63.8	X	35.7	87.3	X	X
	End Use Not Reported	0.1	X	X	0.1	0.1	X
337	FURNITURE AND RELATED PRODUCTS						
	TORNIONE AND RELATED I ROSOCIO						
	TOTAL FUEL CONSUMPTION	8.4	Х	54.6	13.2	27.2	4.4
	Indirect Uses-Boiler Fuel	30.6	Х	99.0	50.1	96.4	0.1
	Conventional Boiler Use	30.6	Х	X	46.4	96.4	0.1
	CHP and/or Cogeneration Process		X	99.0	58.1	96.4	X
	Direct Uses-Total Process	9.7	X	95.7	18.4	68.6	77.3
	Process Heating	16.2	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	53.0	X
	Electro-Chemical Processes	37.3					
	Other Process Use	51.6	X	X	X	65.5	X
	Direct Uses-Total Nonprocess	10.6	X	48.0	13.1	24.3	4.4
	Facility HVAC (f)	14.4	X	95.3	13.3	51.4	4.4
	Facility Lighting	11.0	 				
	Other Facility Support	13.8	X	0.1	23.0	87.6	X
	Onsite Transportation	24.5	 	5.4	21.5	19.7	
	Conventional Electricity Generation Other Nonprocess Use		X	0.1	96.4	96.4	X
	End Use Not Reported	43.0 51.2	X x	43.1 X	96.4 83.7	69.2 65.7	x x
	Liu ose Not Reported	J1.2					^
339	MISCELLANEOUS						
	TOTAL FUEL CONSUMPTION	9.3	0.1	67.5	27.2	49.3	X
	Indirect Uses-Boiler Fuel	32.0	X	72.5	55.7	X	X
	Conventional Boiler Use	32.0	X	78.0	45.8	X	X
	CHP and/or Cogeneration Process		X	74.2	61.3	X	X
	Direct Uses-Total Process	11.3	X	94.6	30.9	57.6	X
	Process Gooling and Refrigoration	21.0	X	99.0	36.6	87.2	X
	Process Cooling and Refrigeration	20.2	X v	Χ	70.6	99.0	X
	Machine Drive Electro-Chemical Processes	13.0 30.7	X	99.0	99.0	74.5	X
	Other Process Use	44.2	X	0.1	75.1	99.0	X
	Direct Uses-Total Nonprocess	9.3	0.1	57.5	21.2	58.8	X
	Facility HVAC (f)	9.7	0.1	99.0	14.6	83.6	^
	Facility Lighting	10.8					^
	1	10.0					

Other Facility Support	13.5	0.1	Х	13.5	99.0	Х
Onsite Transportation	22.2		55.1	78.0	48.7	
Conventional Electricity Generation		Х	33.0	87.4	91.1	Х
Other Nonprocess Use	1.0	Х	6.9	66.5	0.1	Х
End Use Not Reported	53.6	X	X	53.3	66.8	X

- (a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
- (b) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for Electricity' is not directly comparable with "Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.
- (c) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
- (d) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.
- (e) 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) 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.'