Table 5.2 End Uses of Fuel Consumption, 2014;

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

Unit: Trillion Btu.

					Distillate				
				8	Fuel Oil		1101 (Coal	
NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	and Diesel Fuel(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	(excluding Coal Coke and Breeze)	Other(f)
, ,		Total United Sta			. ,	.,	<u> </u>		.,
311 - 339	ALL MANUFACTURING INDUSTRIES								
	TOTAL FUEL CONSUMPTION	14,903	2,600	30	99	5,858	84	776	5,455
	Indirect Uses-Boiler Fuel		33	21	12	2,305	8	393	
	Conventional Boiler Use		33	11	4	756	4	48	
	CHP and/or Cogeneration Process			10	9	1,549	3	344	
	Direct Uses-Total Process		2,028	8	26	2,953	43	298	
	Process Heating Process Cooling and Refrigeration		342 189	7 *	5 *	2,590 27	37 *	280	-
	Machine Drive		1,253	*	13	162	3	1	
	Electro-Chemical Processes		176						
	Other Process Use		66	*	8	173	3	17	
	Direct Uses-Total Nonprocess		492	1	58	433	27	4	
	Facility HVAC (g)		247	*	4	369	7	3	- -
	Facility Lighting Other Facility Support		170 52	*	2	41	*	*	-
	Onsite Transportation		13		39	2	20		
	Conventional Electricity Generation			*	3	12	*	2	
	Other Nonprocess Use		11	*	11	8	*	*	
	End Use Not Reported	5,761	48	*	3	168	5	81	5,455
311	FOOD								
	TOTAL FUEL CONSUMPTION	1,114	247	4	20	570	6	110	158
	Indirect Uses-Boiler Fuel		7	3	4	330	2	74	
	Conventional Boiler Use		7	2	1	147	1	12	
	CHP and/or Cogeneration Process			1	3	183	1	62	
	Direct Uses-Total Process		189	*	3	181	2	14	
	Process Heating		11	*	*	162	1	14	
	Process Cooling and Refrigeration Machine Drive		66 106	*	1	3 4	*	0	
	Electro-Chemical Processes		1						
	Other Process Use		5	0	Q	11	*	0	
	Direct Uses-Total Nonprocess		46	*	12	49	2	*	
	Facility HVAC (g)		20	*	1	33	1	*	
	Facility Lighting		18	 *			*	*	
	Other Facility Support Onsite Transportation		5 2		1 5	15 *	1		
	Conventional Electricity Generation			0		*	*	0	
	Other Nonprocess Use		*	0	3	1	*	0	
	End Use Not Reported	197	5	0	*	10	*	22	158
3112	Grain and Oilseed Milling								
	TOTAL FUEL CONSUMPTION	278	50	*	1	133	*	65	29
	Indirect Uses-Boiler Fuel		2	*	*	86	*	42	
	CHR and/or Cognoration Process		2	0	*	50	*	12	
	CHP and/or Cogeneration Process Direct Uses-Total Process		43	*	*	36 42	*	30	
	Process Heating		1	*	*	35	*	1	
	Process Cooling and Refrigeration		5	0	*	2	0	0	
	Machine Drive		36	0	*	1	*	0	
	Electro-Chemical Processes		*						
	Other Process Use		*	0 *	*	5	*	0	
	Direct Uses-Total Nonprocess Facility HVAC (g)		5 2	*	<u>1</u> *	3	*	*	
	Facility Lighting		2						
	Other Facility Support		*	0	*	1	*	*	

	Onsite Transportation		*		1	*	*	
	Conventional Electricity Generation			0	<u>1</u> *	*	*	0
	Other Nonprocess Use		*	0	*	*	*	0
	End Use Not Reported	52	*	0	*	*	*	22
311221	Wet Corn Milling						0 000 000 000 000 000 000 000 000 000	
					*		*	
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	138	22	0 0	*	48 32	0	55 33
	Conventional Boiler Use		1	0	*	18	0	9
	CHP and/or Cogeneration Process			0	0	14	0	23
	Direct Uses-Total Process		20	0	*	15	*	1
	Process Heating		*	0	*	15	*	1
	Process Cooling and Refrigeration		3	0	0	*	0	0
	Machine Drive		16	0	*	*	0	0
	Electro-Chemical Processes		0					
	Other Process Use		*	0	0	*	0	0
	Direct Uses-Total Nonprocess		2	0	*	1	*	0
	Facility HVAC (g)		1	0	*	1	*	0
	Facility Lighting		1					
	Other Facility Support		*	0	0	*	*	0
	Onsite Transportation		*		*	*	*	
	Conventional Electricity Generation			0	*	0	*	0
	Other Nonprocess Use		0	0	*	0	0 *	0
	End Use Not Reported	35	0	0	0	0	*	22
131	Sugar							
	TOTAL FUEL CONSUMPTION	174	4	*	2	16	*	45
	Indirect Uses-Boiler Fuel		*	*	1	10	0	32
	Conventional Boiler Use		*	*	0	3	0	0
	CHP and/or Cogeneration Process			*	1	8	0	32
	Direct Uses-Total Process		3	*	*	5	0	13
	Process Heating		*	0	0	5	0	13
	Process Cooling and Refrigeration		*	0	0	0	0	0
	Machine Drive		3 *		*	0	0	0
	Electro-Chemical Processes					*		
	Other Process Use Direct Uses-Total Nonprocess		0	0	0 1	*	0 *	0
	Facility HVAC (g)		*	0	0	*	*	0
	Facility Lighting		*					
	Other Facility Support		*	0	0	*	0	0
	Onsite Transportation		*		1	0	*	
	Conventional Electricity Generation			0	0	0	0	0
	Other Nonprocess Use		*	0	*	0	*	0
	End Use Not Reported	108	0	0	0	0	*	0
14	Fruit and Vegetable Preserving and Specialty Foods							
				*				*
	TOTAL FUEL CONSUMPTION	146 	33	*	1	105 69	<u>1</u> *	*
	Indirect Uses-Boiler Fuel Conventional Boiler Use		1	*	*	23	*	0
	CHP and/or Cogeneration Process			*	*	46	*	*
	Direct Uses-Total Process		24	*	*	21	Q	0
	Process Heating		2	*	*	20	*	0
	Process Cooling and Refrigeration		13	0	*	*	0	0
	Machine Drive		9	0	*	*	*	0
	Electro-Chemical Processes		*					
	Other Process Use		*	0	*	*	*	0
	Direct Uses-Total Nonprocess		7	*	*	9	1	0
	Facility HVAC (g)		3	*	*	7	*	0
	Facility Lighting		2					
	Other Facility Support		1	*	0	1	*	0
	Onsite Transportation		1		*	*	*	
	Conventional Electricity Generation		*	0	*	*	0 *	0
	Other Nonprocess Use		*	0	*	0	*	0
	End Use Not Reported	12		0	÷	6	*	0
115	Dairy Products							
	TOTAL FUEL CONSUMPTION	109	35	1	3	68	1	*

Carried book leve	1 1 1 44	ı	, ,	0 -
Collection Content of Process - -				
Direct Steam Floration				
Press Cooling and Befrigeration				
Process Couring and Refrigeration Machine Drabe 1 2				
Machine Drive				
Dieso Chemical Process - - - - - -				
Other Process Use				
Direct User-Total Regresses - 6 1 4 4 5 5 5 5 5 5 5 5				
Facility (signifies				
Facility Lighting				
Diliter Facility Support				
Order transportation				
Conventional Electricary Conventation -			L 	
Chine Montroess Use				
Total Disc Not Reported 6				
TOTAL FUEL CONSUMPTION 201 62				
TOTAL FUEL CONSUMPTION 201 62 1 5 126 2 1 1 2 2 1 1 2 2 1 2 2	0 2 0 2	L		
Indirect Uses Bolle Fuel		3116		
Indirect Uses floid Fuel				
Indirect Uses holine Fuel	201 62 1 5 126		 3	*
Conventional Bolier Use				
Committee				
Direct User-Total Process				
Process Heating				
Process Cooling and Refrigeration	70 0			
Machine Drive	3 0 22		-	
Electro-Chemical Processes				
Other Process Use	10 0			
Direct Uses-Total Nonprocess				
Facility Lighting	2 0 7		-	
Facility Lighting	11 + 17			
Other Facility Support -	4			
Onsite Transportation				
Conventional Electricity Generation 0 2 2 1 2	- 1		L 	
Other Nonprocess Use				
Find Use Not Reported 8				
STATE SEVERAGE AND TOBACCO PRODUCTS				
TOTAL FUEL CONSUMPTION 95 33 * 1 48 1 1 Indirect Uses-Boiler Fuel 1 * * 34 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 * * 21 21	8 Q U * 1	E		0 5
Indirect Uses-Boiler Fuel		312 E		
Indirect Uses-Boiler Fuel				
Indirect Uses-Boiler Fuel	95 33 * 1 48	1	3 1	. 7
Conventional Boiler Use		II	1 ,	· 7 -
CHP and/or Cogeneration Process			 L *	2 -
Direct Uses-Total Process 21 0 * 6 * Process Heating 1 0 * 6 * Process Leating 1 0 * 6 * Process Cooling and Refrigeration 7 0 0 0 * Process Cooling and Refrigeration 12 0 * * Machine Drive 12 0 * * Electro-Chemical Processes 12 0 * * Electro-Chemical Processes 12 0 * * Other Process Use 1 0 * * Direct Uses-Total Nonprocess 9 0 1 6 1 Direct Uses-Total Nonprocess 9 0 1 6 1 Facility HVAC (g) 4 0 * 5 * Facility HyAC (g) 4 0 * 5 * Facility Support 1 0 * 1 0 * Other Facility Support 1 0 * 1 0 * Other Facility Support 1 0 * 1 0 Other Facility Support 1 0 * 1 0 Other Monprocess Use 1 0 * 1 0 Other Nonprocess Use * 0 1 43 1 End Use Not Reported 9 3 0 1 43 1 Indirect Uses-Boiler Fuel * 0 1 43 1 Indirect Uses-Boiler Fuel * 0 1 43 1 Conventional Boiler Use * 0 1 43 1 Conventional Boiler Use 1 0 * 18 1 Other Uses-Total Process 1 0 * 18 1 Other Uses-Total Process 19 0 * 5 1 Other Uses-Total Process 19 0 * 5 *				
Process Heating 1 0 * 6 * Process Cooling and Refrigeration 7 0 0 * 0 Machine Drive 12 0 * * * Electro-Chemical Processes 12 0 * * - Other Process Use 1 0 * * * Direct Uses-Total Nonprocess 9 0 1 6 1 Pacility HVAC (g) 4 0 * 5 * Facility Lighting 1 0 * * * Other Facility Support 1 0 * * * Onsite Transportation 1 - * 1 1 Conventional Electricity Generation 4 0 * * * Beverages 8 30 0				
Process Cooling and Refrigeration 7 0 0 * 0 Machine Drive 12 0 * * * Electro-Chemical Processes 1 0 * * Other Process Use 1 0 * * * Direct Uses-Total Nonprocess 9 0 1 6 1 Facility Lighting 4 0 * 5 * Facility Lighting 3 Other Facility Support 1 0 * * * Onsite Transportation 1 0 * * 1 Conventional Electricity Generation 1 - * * 1 End Use Not Reported 9 3 0 * * * 3121 Beverages TOTAL FUEL CONSUM				
Machine Drive				
Electro-Chemical Process Use				
Other Process Use 1 0 * * * Direct Uses-Total Nonprocess 9 0 1 6 1 Facility HVAC (g) 4 0 * 5 * Facility Lighting 3				
Direct Uses-Total Nonprocess				
Facility HVAC (g)			5 1	
Facility Lighting				
Other Facility Support 1 0 * * * Onsite Transportation 1 * * 1 Conventional Electricity Generation 0 * * 0 Other Nonprocess Use * 0 * * * * End Use Not Reported 9 3 0 * 2 * 3121 Beverages * * 2 * TOTAL FUEL CONSUMPTION 86 30 0 1 43 1 Indirect Uses-Boiler Fuel * 0 * 31 * Conventional Boiler Use * 0 * 18 * CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 <td></td> <td></td> <td></td> <td></td>				
Onsite Transportation 1 * * 1 Conventional Electricity Generation 0 * * 0 Other Nonprocess Use * 0 * * * End Use Not Reported 9 3 0 * 2 * 3121 Beverages				
Conventional Electricity Generation 0 * * 0 Other Nonprocess Use * 0 * * * End Use Not Reported 9 3 0 * 2 * 3121 Beverages TOTAL FUEL CONSUMPTION 86 30 0 1 43 1 Indirect Uses-Boiler Fuel * 0 * 31 * Conventional Boiler Use * 0 * 18 * CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *			* 1	
Other Nonprocess Use * 0 * * * End Use Not Reported 9 3 0 * 2 * 3121 Beverages TOTAL FUEL CONSUMPTION 86 30 0 1 43 1 Indirect Uses-Boiler Fuel * 0 * 31 * Conventional Boiler Use * 0 * 18 * CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *				
End Use Not Reported 9 3 0 * 2 * 3121 Beverages TOTAL FUEL CONSUMPTION 86 30 0 1 43 1 1				
TOTAL FUEL CONSUMPTION 86 30 0 1 43 1				
TOTAL FUEL CONSUMPTION 86 30 0 1 43 1 Indirect Uses-Boiler Fuel * 0 * 31 * Conventional Boiler Use * 0 * 18 * CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *		-	-	
Indirect Uses-Boiler Fuel * 0 * 31 * Conventional Boiler Use * 0 * 18 * CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *		3121		
Indirect Uses-Boiler Fuel * 0 * 31 * Conventional Boiler Use * 0 * 18 * CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *				
Conventional Boiler Use * 0 * 18 * CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 * *		Т		
CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *	0 31	ı	L *	- 6
CHP and/or Cogeneration Process 0 * 13 * Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *	* 0 * 18		3 *	· 2 -
Direct Uses-Total Process 19 0 * 5 * Process Heating 1 0 * 5 *	0 * 13		3 *	4 -
110ccs freating 1 0 J	19 0 * 5		5 *	. 0 -
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Frocess cooling and heritgeration 0 U U U	6 0 0 *		* (0 -
Machine Drive 11 0 * * * *			* *	0 -
Electro-Chemical Processes *				
Other Process Use 1 0 * * * *	1 0 * *		* *	. 0 -

	Direct Hees Total Noneyeess		0	0	1 -	1	0
	Direct Uses-Total Nonprocess		8 3	0	1 5 * 4	1	0 -
	Facility HVAC (g) Facility Lighting		3				
	Other Facility Support			0	0 *	*	0 -
	Onsite Transportation		1		* *	1	
	Conventional Electricity Generation		<u>-</u>	0	* *	0	0 -
	Other Nonprocess Use		*	0	* *	*	0 -
	End Use Not Reported	9	3	0	* 2	*	0 4
	Liu Ose Not Nepot teu						
3122	Tobacco						
	TOTAL FUEL CONSUMPTION	9	3	*	* 5	*	1
	Indirect Uses-Boiler Fuel		*	*	* 4	*	* _
	Conventional Boiler Use		*	*	* 3	*	*
	CHP and/or Cogeneration Process			0	* 1	*	* -
	Direct Uses-Total Process		2 *	0	<u>_</u>	*	
	Process Heating		*	0			
	Process Cooling and Refrigeration			0	0 * * *	0	0 -
	Machine Drive		<u>1</u> *	0			0 -
	Electro-Chemical Processes		*		 0 *	*	
	Other Process Use			0		*	
	Direct Uses-Total Nonprocess		2	0	* 1	*	
	Facility HVAC (g)		<u>1</u> *	0			
	Facility Lighting		*		* *		
	Other Facility Support		*	0	* *	0	0 -
	Onsite Transportation						
	Conventional Electricity Generation		*	0	* 0	0	0 -
	Other Nonprocess Use End Use Not Reported	*	0	0	0 0	0	0 - 0
	Ena Use Not Reported				UU	U	U
313	TEXTILE MILLS						
	TOTAL FUEL CONSUMPTION	97	43	*	* 36	1	6 1
	Indirect Uses-Boiler Fuel		1	*	* 13	*	6 -
	Conventional Boiler Use		1	0	* 4	*	Q -
	CHP and/or Cogeneration Process			*	* 9	*	5 -
	Direct Uses-Total Process		31	*	* 19	*	0 -
	Process Heating		4	*	* 12	*	0 -
	Process Cooling and Refrigeration		2	0	0 *	*	0 -
	Machine Drive		25	0	0 Q	*	
							0 -
	Electro-Chemical Processes		*				
	Electro-Chemical Processes Other Process Use		1	0	* 1	*	 0
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess	 	1 11	0	* 1	*	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g)		1 11 6	*	* 1 * 3 * 2	*	0 - 0 - 0 -
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting		1 11 6 3	0 * *	* 1 * 3 * 2	*	0 - 0 - 0 -
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support		1 11 6 3	0 * * 0	* 1 * 3 * 2 	*	0 - 0 - 0 - 0 -
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation		1 11 6 3 1	0 * * 0	* 1 * 3 * 2 * *	* * * * * * * * * * * * * * * * * * *	0 - 0 - 0 - 0 - - 0 -
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		1 11 6 3 1	0 * * 0	* 1 * 3 * 2 * * * 0	* * * * * * * 0	0 - 0 - 0 - 0 - 0 -
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		1 11 6 3 1 *	0 * * 0 0	* 1 * 3 * 2 * * * 0 * 0	* * * * * * * * * * * * * * * * * * * *	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		1 11 6 3 1	0 * * 0	* 1 * 3 * 2 * * * 0	* * * * * * * 0	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		1 11 6 3 1 *	0 * * 0 0	* 1 * 3 * 2 * * * 0 * 0	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		1 11 6 3 1 *	0 * * 0 0	* 1 * 3 * 2 * * * 0 * 0	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
114	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		1 11 6 3 1 *	0 * * 0 0	* 1 * 3 * 2	* * * * * * * * * * * * * * * * * * * *	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		1 11 6 3 1 * *	0 * * 0 0	* 1 * 3 * 2 * * * 0 * 0 1 * 16	* * * 0	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS		1 11 6 3 1 * *	0 * * 0 0 0	* 1 * 3 * 2 * * 0 0 1 16 * 7	* * * * * * * * * * * * * * * * * * * *	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS		1 11 6 3 1 * *	0 * * - 0 0 0 0	* 1 * 3 * 2 * * * 0 * 0 1 * 16	* * * 0	0 - 0 - 0 - 0 - 0 1 1 1 1 - 1
114	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel		1 11 6 3 1 * *	0 * * - 0 - 0 0 0	* 1 * 3 * 2 * * 0 * 0 0 1 * 16 * 7 * 4 * 2	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported TEXTILE PRODUCT MILLS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use		1 11 6 3 1 * * *	0 * * - 0 0 0 0 0	* 1 * 3 * 2 * * * 0 * 0 0 1 * 16 * 7 * 4	* * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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		1 11 6 3 1 * * *	0 * * 0 0 0 0 0 * * * 0 0 0 0 0 0 0	* 1 * 3 * 2 * * * 0 * 0 0 1 * 16 * 7 * 4 * 2 * 6 * 6	* * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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	12	1 11 6 3 1 * 	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2 * * 0 * 0 * 0 0 1 * 16 * 7 * 4 * 2 * 6 * 6 0 0	* * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
114	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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		1 11 6 3 1 * * * * * * * * * * * * 6 1 1 1 1 1 1	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2 * * * 0 * 0 0 1 * 16 * 7 * 4 * 2 * 6 * 6	* * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
114	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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		1 11 6 3 1 * * * * * * * * * * * * * * * * *	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2	* * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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	27 	1 11 6 3 1 * * * * * * * * * * * * * * * * * *	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2	* * * * * * * * * * * * * * * * * * *	1 1 1 0 0 0 0 0 1
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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		1 11 6 3 1 * * * * * * * * * * * * * * * * * *	0 * * * O O O O O O O O O O O O O O O O	* 1 * 3 * 2 * * 0 * 0 * 0 1 * 16 * 7 * 4 * 2 * 6 * 0 0 0 * 4 * 4 * 4 * 4 * 4 * 4	1 1 * * * * * * * * *	1 1 1 0 0 0 0 1
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 (g)	27 	1 11 6 3 1 * * * * * * * * * * * * * * * * * *	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2	* * * * * * * * * * * * * * * * * * *	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 (g) Facility Lighting	27 	1 11 6 3 1 * * * * * * * * * * * * * * * * * *	0 * * * O O O O O O O O O O O O O O O O	* 1 * 3 * 2 * * * 0 * 0 * 0 0 1 * 16 * 7 * 4 * 2 * 6 * 6 0 0 * * * 4 *	* * * * * * * * * * * * * * * * * * *	1 1 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 (g) Facility Lighting Other Facility Support	12	1 11 6 3 1 * * * * * * * * * * * * * * * * * *	0 * * * O O O O O O O O O O O O O O O O	* 1 * 3 * 2 * * * 0 * 0 * 0 0 1 * 16 * 7 * 4 * 2 * 6 * 6 0 0 * * * 4 * * * 4	* * * * * * * * * * * * * * * * * * *	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 (g) Facility Lighting Other Facility Support Onsite Transportation	27 	1 11 6 3 1 * * * * * * * * * * 9 9 * * * * 6 1 1 5 * * * 3 1 1 * * *	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2	* * * * * * * * * * * * * * * * * * *	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	27 27	1 11 6 3 1 * * * * * * * * * * * * * * * * * *	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2	* * * * * * * * * * * * *	1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
314	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 (g) Facility Lighting Other Facility Support Onsite Transportation	27 	1 11 6 3 1 * * * * * * * * * * 9 9 * * * * 6 1 1 5 * * * 3 1 1 * * *	0 * * * * * * * * * * * * * * * * * * *	* 1 * 3 * 2	* * * * * * * * * * * * * * * * * * *	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

				*		*	
TOTAL FUEL CONSUMPTION	5	*	0	*	2	*	0
Indirect Uses-Boiler Fuel		*	0	*	*		0
Conventional Boiler Use					*	0 *	
CHP and/or Cogeneration Process			0	0	*	*	0
Direct Uses-Total Process		1 *	0		*	*	0
Process Heating			0	0			0
Process Cooling and Refrigeration		*	0	0	0	0	0
Machine Drive		1	0	0	*	0	0
Electro-Chemical Processes		*					
Other Process Use		0	0	*	*	*	0
Direct Uses-Total Nonprocess		1	0	*	*	*	0
Facility HVAC (g)		1	0	*	*	*	0
Facility Lighting		*					
Other Facility Support		*	0	0	*	0	0
Onsite Transportation		*		*	0	*	
Conventional Electricity Generation			0	0	0	0	0
Other Nonprocess Use		0	0	0	0	0	0
End Use Not Reported	*	*	0	0	*	*	0
LEATHER AND ALLIED PRODUCTS							
TOTAL FUEL CONSUMPTION	3	1	*	*	1	*	0
Indirect Uses-Boiler Fuel		*	*	*	*	0	0
Conventional Boiler Use		*	0	0	*	0	0
CHP and/or Cogeneration Process			*	*	*	0	0
Direct Uses-Total Process		1	*	*	1	*	0
Process Heating		*	0	*	1	*	0
Process Cooling and Refrigeration		*	0	0	0	0	0
Machine Drive		1	0	0	*	0	0
Electro-Chemical Processes		*					
Other Process Use		*	*	0	*	*	0
Direct Uses-Total Nonprocess		*	0	*	*	*	0
Facility HVAC (g)		*	0	*	*	*	0
Facility Lighting		*					
Other Facility Support		*	0	0	*	*	0
Onsite Transportation		*		*	0	*	
Conventional Electricity Generation			0	0	0	0	0
Other Nonprocess Use		*	0	*	0	0	0
End Use Not Reported	*	*	0	0	*	*	0
LIN OUT NOT REPORTED							
WOOD PRODUCTS							
TOTAL FUEL CONSUMPTION	384	73	*	10	49	3	1
Indirect Uses-Boiler Fuel		1	0	*	11	*	1
Conventional Boiler Use		1	0	*	4	*	*
CHP and/or Cogeneration Process			0	*	7	*	*
Direct Uses-Total Process		60	*	2	32	1	*
Process Heating		4	*	*	28	1	*
Process Cooling and Refrigeration		1	0	*	*	0	0
Machine Drive		54	*	1	2	*	0
Electro-Chemical Processes		*					
Other Process Use		1	*	Q	2	*	0
Direct Uses-Total Nonprocess		11	0	7	6	2	0
Facility HVAC (g)		6	0	*	6	*	0
Facility Lighting		4					
Other Facility Support		1	0	*	*	*	0
Onsite Transportation		*		7	*	2	
Conventional Electricity Generation			0	·*	*	*	0
Other Nonprocess Use		*	0	*	*	*	0
End Use Not Reported	250	1	0	Q	*	*	0
Liiu Ose Not Neporteu				<u>Q</u>			
TOTAL FUEL CONSUMPTION	123	17	*	5	6	*	*
Indirect Uses-Boiler Fuel		*	0	*	2	*	0
Conventional Boiler Use		*	0	*	1	0	0
conventional boller ose							
CHP and/or Cogeneration Process			0	*	1	*	0
		 15	0	* 1	<u>1</u> 4	*	0

Process Heating

	Process Cooling and Refrigeration		*	0	0	0	0	0	
	Machine Drive		13	*	*	*	*	0	
	Electro-Chemical Processes		*						
	Other Process Use		*	0	*	0	*	0	
	Direct Uses-Total Nonprocess		2	0	4	*	*	0	
	Facility HVAC (g)		1	0	*	*	*	0	
	Facility Lighting		1						
	Other Facility Support		*	0	*	*	*	0	
	Onsite Transportation	<u></u>	*		4	*	*		
	Conventional Electricity Generation	<u></u>		0	*	*	*	0	
	Other Nonprocess Use		*	0	*	*	*	0	
	End Use Not Reported	96	*	0	Q	0	*	0	95
3212	Veneer, Plywood, and Engineered Woods								
	TOTAL FUEL CONSUMPTION	161	25	0	2	28	1	1	104
	Indirect Uses-Boiler Fuel		1	0	*	4	*	1	
	Conventional Boiler Use		1	0	*	2	*	*	
	CHP and/or Cogeneration Process			0	*	3	*	*	
	Direct Uses-Total Process		21	0	*	22	*	0	
	Process Heating		2	0	*	19	*	0	
	Process Cooling and Refrigeration		*	0	0	0	0	0	
	Machine Drive		19	0	*	1	*	0	
	Electro-Chemical Processes		*						
	Other Process Use		*	0	*	2	*	0	
	Direct Uses-Total Nonprocess		3	0	1	2	1	0	
	Facility HVAC (g)		1	0	*	1	*	0	
	Facility Lighting		1						
	Other Facility Support		*	0	*	*	*	0	
	Onsite Transportation		*		1	0	1		
	Conventional Electricity Generation			0	*	0	0	0	
	Other Nonprocess Use		*	0	*	*	*	0	
	End Use Not Reported	104	*	0	*	*	*	0	104
321219	Reconstituted Wood Products								
	TOTAL FUEL CONSUMPTION	96	17	0	*	20	*	1	58
	Indirect Uses-Boiler Fuel		*	0	*	3	*	1	
	Conventional Boiler Use	<u></u>	*	0	0	1	*	*	
	CHP and/or Cogeneration Process			0	*	2	*	*	
	Direct Uses-Total Process		15	0	*	17	*	0	
	Process Heating		1	0	*	14	*	0	
	Process Cooling and Refrigeration		*	0	0	0	0	0	
	Machine Drive		13	0	*	1	*	0	
	Electro-Chemical Processes		*						
	Other Process Use		*	0	0	2	*	0	
	Direct Uses-Total Nonprocess		2	0	*	*	*	0	- -
	Facility HVAC (g)		1	0	*	*	*	0	- -
	Facility Lighting		1						
	Other Facility Support		*	0	*	*	*	0	
	Onsite Transportation				*	0			
	Conventional Electricity Generation		*	0	*	0 *	0 *	0	
	Other Nonprocess Use End Use Not Reported	 58	*	0	0	0	0	0	 58
3219	Other Wood Products								
	TOTAL FUEL CONSUMPTION	94	29	*	3	13	2	0	Q
	Indirect Uses-Boiler Fuel		*	0	*	4	*	0	
	Conventional Boiler Use		*	0	*	1	*	0	
	CHP and/or Cogeneration Process			0	*	3	*	0	
	Direct Uses-Total Process		23	*	Q	5	*	0	
	Process Heating		1	0	*	4	*	0	
	Process Cooling and Refrigeration		*	0	*	*	0	0	
	Machine Drive		21	*	*	Q	*	0	
	Electro-Chemical Processes		*						
	Other Process Use		1	0	Q	*	*	0	
	Direct Uses-Total Nonprocess		6	0	2	4	1	0	
	Facility HVAC (g)		4	0	*	4	*	0	
	Facility Lighting		2						
	Other Facility Support		*	0	0	*	*	0	
	Other Facility Support Onsite Transportation			0	0 2	*	* 1	0 	

	Conventional Electricity Generation			0	* *	*	0	_
	Other Nonprocess Use		*	0	* 0	*	0	
	End Use Not Reported	Q	*	0	* *	*	0	C
22	PAPER							
	TOTAL FUEL CONSUMPTION	2,090	191	17	5 436	3	146	1,29
	Indirect Uses-Boiler Fuel		5	12	2 270	*	134	
	Conventional Boiler Use		5	5	* 42		8	
	CHP and/or Cogeneration Process			8	2 228		126	
	Direct Uses-Total Process		165	4	* 143 * 123			
	Process Heating Process Cooling and Refrigeration		8 4	4 0	* 123 0 *			
	Machine Drive		142	*	* 17		*	
	Electro-Chemical Processes		2					
	Other Process Use		11	0	* 3	*	2	
	Direct Uses-Total Nonprocess		19	*	2 22	2	2	
	Facility HVAC (g)		8	*	* 17	*	*	
	Facility Lighting		8					
	Other Facility Support		2	0	* 2		0	
	Onsite Transportation		1	*	2 * * 3	<u>_</u>		
	Conventional Electricity Generation		*	*	* 3		2 0	
	Other Nonprocess Use End Use Not Reported	1,299	2	*	* Q		3	1,29
	cia ose not reported	1,233					3	1,2.
322110	Pulp Mills							
	TOTAL FUEL CONSUMPTION	255	5	2	1 29	*	1	21
	Indirect Uses-Boiler Fuel		*	2	* 15		1	
	Conventional Boiler Use		*	0	* 0		0	
	CHP and/or Cogeneration Process			2	* 15		1	
	Direct Uses-Total Process		4	*	* 14	*	0	
	Process Heating		*	*	* 14	*	0	
	Process Cooling and Refrigeration		*	0	0 0	0	0	
	Machine Drive		4	0	* 0	0	0	
	Electro-Chemical Processes		0					
	Other Process Use		0	0	0 0			
	Direct Uses-Total Nonprocess		*	0	* * *	*	0	
	Facility HVAC (g)		*	0			0	
	Facility Lighting Other Facility Support		*	 0	0 *	*	 0	
	Onsite Transportation		*		* 0			
	Conventional Electricity Generation			0	0 0			
	Other Nonprocess Use		0	0	0 0	0	0	
	End Use Not Reported	216	0	0	0 0	*	0	21
322121	Paper Mills, except Newsprint							
		752						
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	752 	59 2	9 7	2 160 1 89		93 84	42
	Conventional Boiler Use		2	4	* 15			
	CHP and/or Cogeneration Process			3	1 75		78	
	Direct Uses-Total Process		53	2	* 65		5	
	Process Heating		2	2	* 49		3	
	Process Cooling and Refrigeration		1	0	0 *	0	0	
	Machine Drive		49	*	* 15	*	*	
	Electro-Chemical Processes		*					
	Other Process Use		*	0	* 1			
	Direct Uses-Total Nonprocess		4	*	1 6			
	Facility HVAC (g)		1	*	* 3		*	
	Facility Lighting Other Excility Support		2		* *			
	Other Facility Support Onsite Transportation		*	0 	1 *		0 	
	Conventional Electricity Generation			*	* 3			
	Other Nonprocess Use		0	*	* *		0	
	End Use Not Reported	431	0	0	* 0	*	3	4:
322122	Newsprint Mills							
	TOTAL FUEL CONSUMPTION	59	28	0	* 8		1	2
	Indirect Uses-Boiler Fuel		1	0	* 6	0	1	

	Conventional Boiler Use		1	0	0	*	0	0	
	CHP and/or Cogeneration Process			0	*	6	0	1	
	Direct Uses-Total Process		26	0	*	2	*	0	
	Process Heating		*	0	0	2	*	0	
	Process Cooling and Refrigeration		*	0	0	0	0	0	
	Machine Drive		16	0	*	0	0	0	
	Electro-Chemical Processes		1						
	Other Process Use		9	0	*	*	0	0	
	Direct Uses-Total Nonprocess		1	0	*	*	*	0	
	Facility HVAC (g)		*	0	0	*	*	0	
	Facility Lighting		*						
	Other Facility Support		*	0	0	*	0	0	
	Onsite Transportation		*		*	0	*		
	Conventional Electricity Generation			0	0	0	0	0	
	Other Nonprocess Use		0	0	*	0	0	0	
	End Use Not Reported	23	1	0	0	0	0	0	22
322130	Paperboard Mills								
	TOTAL FUEL CONSUMPTION	917	55	5	2	188	1	45	621
	Indirect Uses-Boiler Fuel		1	3	1	140	*	42	
	Conventional Boiler Use		1	*	*	18	0	1	
	CHP and/or Cogeneration Process			3	1	122	*	41	
	Direct Uses-Total Process		49	2	*	42	*	3	
	Process Heating		1	2	*	38	*	3	
	Process Cooling and Refrigeration		1	0	0	0	0	0	
	Machine Drive		46	0	*	2	*	0	
	Electro-Chemical Processes		*						
	Other Process Use		1	0	*	2	*	0	
	Direct Uses-Total Nonprocess		4	*	1	6	*	*	
	Facility HVAC (g)		2	*	*	5	*	0	
	Facility Lighting		2						
	Other Facility Support		1	0	0	1	*	0	
	Onsite Transportation		*		1	0	*		
	Conventional Electricity Generation			*	*	*	0	*	
	Other Nonprocess Use		*	0	*	0	*	0	
	End Use Not Reported	622	1	*	*	0	*	0	621
	Ella Ose Not Reported	UZZ							021
323	PRINTING AND RELATED SUPPORT								
	TOTAL FUEL CONSUMPTION	89	49	*	*	39	1	0	Q
	Indirect Uses-Boiler Fuel		*	*	*	7	*	0	
	Conventional Boiler Use		*	*	*	4	*	0	
	CHP and/or Cogeneration Process			0	*	3	*		
	Direct Uses-Total Process					18		0	
	Direct Oses-Total Flocess		32	0	*		*		
				0	* 0	17	*	0	
	Process Heating Process Cooling and Refrigeration		32					0	
	Process Heating		32 2 4	0	0	17	*	0 0	
	Process Heating Process Cooling and Refrigeration		32	0	0	17	*	0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive		32 2 4 26	0 0 0	0 0 *	17 *	* 0 *	0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes		32 2 4 26 1	0 0 0	0	17 * 1	* 0 * 	0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use		32 2 4 26 1	0 0 0 0	0 0 *	17 * 1 Q	*	0 0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess		32 2 4 26 1 1	0 0 0 0	0 0 *	17 * 1	* 0 * * 1	0 0 0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting		32 2 4 26 1 1 14	0 0 0 0 0	0 0 *	17 * 1	* 0 * * * * 1 * *	0 0 0 0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support		32 2 4 26 1 1 14 8	0 0 0 0 0 0	0 0 * *	17 * 1	* 0 * * 1 1 *	0 0 0 0 0 0 0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation		32 2 4 26 1 1 14 8 4	0 0 0 0 0 0 0	0 0 * * *	17 * 1	* 0 * 1 1 * 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		32 2 4 26 1 1 14 8 4	0 0 0 0 0 0 0 0	0 0 * 	17 * 1 Q 13 11 *	* 0 * * 1 * 1 0	0 0 0 0 0 0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		32 2 4 26 1 1 14 8 4 1 1	0 0 0 0 0 0 0 0	0 0 * * * * * * *	17 * 1 Q 13 11 Q 13 11 * Q *	* 0 * 1 1 * 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0	
	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		32 2 4 26 1 1 14 8 4 1	0 0 0 0 0 0 0 0	0 0 * * * * * * *	17 * 1 Q 13 11 * Q	* 0 * * 1 * 1 0 0 0	0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		32 2 4 26 1 1 14 8 4 1 1	0 0 0 0 0 0 0 0	0 0 * * * * * * *	17 * 1 Q 13 11 Q 13 11 * Q *	* 0 * * 1 * 1 0 0 0	0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		32 2 4 26 1 1 14 8 4 1 1	0 0 0 0 0 0 0 0	0 0 * * * * * * *	17 * 1 Q 13 11 Q 13 11 * Q *	* 0 * * 1 * 1 0 0 0	0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		32 2 4 26 1 1 14 8 4 1 1	0 0 0 0 0 0 0 0	0 0 * * * * * * *	17 * 1 Q 13 11 Q 13 11 * Q *	* 0 * * 1 * 1 0 0 0	0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		32 2 4 26 1 1 14 8 4 1 1	0 0 0 0 0 0 0 0	0 0 * * * * * * *	17 * 1 Q 13 11 Q 13 11 * Q *	* 0 * * 1 * 1 0 0 0	0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS		32 2 4 26 1 1 14 8 4 1 1 	0 0 0 0 0 0 0 0 0 0 0 0	0 0 * * * * * * *	17	* 0 * 1 1 1 0 0 0 *	0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS		32 2 4 26 1 1 14 8 4 1 1 	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * * * * 0	17	* 0 * 1 1 * 1 0 0 * 3 36	0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel		32 2 4 26 1 1 14 8 4 1 1 1 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * * * * 0	17 * 1 Q 13 11 * Q * 1 1,071 349	* 0 * 1 * 1 0 0 * 1 * 3 0 0 0 * 36 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use		32 2 4 26 1 1 14 8 4 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	17	* 0 * 1 1 * 1 0 0 0 * 1 36 5 33	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	3,513	32 2 4 26 1 1 14 8 8 4 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	17 * 1 Q 13 11 - * Q 13 11 - 1,071 349 111 238	* 0 * 1 1 * 1 0 0 0 * 36 5 3 3 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	3,513	32 2 4 26 1 1 14 8 4 1 1 1 - * Q	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * * * * 0	17	* 0 * 1 1 1 0 0 0 * 1 36 5 3 2 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	3,513	32 2 4 26 1 1 14 8 4 1 1 1 * Q	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * * * * 0	17	* 0 1 1 1 1 0 0 0 4 1 36 5 3 2 30 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS 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	3,513	32 2 4 26 1 1 14 8 4 1 1 1 * Q 167 1 1 1 150 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * * * * 0 0	17 * 1 Q 13 11 * Q * 1 1,071 349 111 238 609 566 1	* 0 * 1 * 1 * 1 0 0 0 * 36 5 3 2 30 30 30 *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS 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	3,513	32 2 4 26 1 1 14 8 4 1 1 * Q 167 1 1 1 150 -2 7 144	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * * * * * * * * * * * * *	17 * 1 Q 13 11 * Q * 1 1,071 349 111 238 609 566 1 13	* 0 * 1 1 * 1 0 0 0 * 36 36 55 3 2 30 30 30 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
324	Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PETROLEUM AND COAL PRODUCTS 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	3,513 3,513	32 2 4 26 1 1 14 8 4 1 1 1 * Q 167 1 1 1 150 -2 7 144 *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 * * * * * * * 0	17 * 1 Q 13 11 * Q * 11 1,071 349 111 238 609 566 1 13	* 0 * 1 1 1 0 0 0 * 1 36 5 3 2 30 30 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

try Lighting r Facility Support te Transportation entional Electricity Generation r Nonprocess Use se Not Reported Deleum Refineries LFUEL CONSUMPTION ct Uses-Boiler Fuel entional Boiler Use and/or Cogeneration Process Uses-Total Process ses Heating ess Cooling and Refrigeration hine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation	3,372	4 2 * * 3 3 160 1 1 1 145 3 7 140 *	3 1 1 0 2 2	* * * * * * * * * * * * * * * * *	* * * * * * * * * * * * *	0 * 0 1 1 0	2,216
te Transportation entional Electricity Generation r Nonprocess Use se Not Reported Dleum Refineries - FUEL CONSUMPTION ct Uses-Boiler Fuel entional Boiler Use and or Cogeneration Process Uses-Total Process ess Heating ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		* 3 160 1 1 1 1 145 -3 7 140	3 1 0 2 2	4 * * 3 1 * * 104 6 1,000 1 332 * 105 * 227 1 559	* * * 35 5 3 2	0 * 0 1 1	2,216
entional Electricity Generation r Nonprocess Use se Not Reported Dleum Refineries FUEL CONSUMPTION ct Uses-Boiler Fuel entional Boiler Use and/or Cogeneration Process Uses-Total Process ess Heating ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation entional Electricity Generation entional Electricity Generation entional Electricity Generation	2,324 2,324 3,372	160 1 1 1 1 1 145 -3 7	0 0 * * 3 1 1 0 2	* 3 1 * * 104 6 1,000 1 332 * 105 * 227 1 559	* *	0 * 0	2,216
r Nonprocess Use se Not Reported cleum Refineries - FUEL CONSUMPTION ct Uses-Boiler Fuel entional Boiler Use and/or Cogeneration Process Uses-Total Process ess Heating ess Cooling and Refrigeration hine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		* 3 160 1 1 1 145 -3 7 140	0 * 3 1 1 0 2	1 * 104 104 104 6 1,000 1 332 105 227 1 559	* * 35 5 3 2	* 0 1 1 0	2,216
se Not Reported Delum Refineries FUEL CONSUMPTION ct Uses-Boiler Fuel entional Boiler Use and/or Cogeneration Process Uses-Total Process ess Heating ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation	2,324 3,372	160 1 1 1 145 -3 7 140	3 1 1 0 2	* 104 * 104 6 1,000 1 332 * 105 * 227 1 559	* 35 5 3 2	1 1 0	2,216
L FUEL CONSUMPTION ct Uses-Boiler Fuel entional Boiler Use and/or Cogeneration Process Uses-Total Process ess Heating ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation	3,372	160 1 1 1 145 -3 7 140	1 1 0 2 2	6 1,000 1 332 * 105 * 227 1 559	5 3 2	1 1 0	2,168
LFUEL CONSUMPTION ct Uses-Boiler Fuel entional Boiler Use and/or Cogeneration Process Uses-Total Process ess Heating ess Cooling and Refrigeration hine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		1 1 145 -3 7 140	1 1 0 2 2	1 332 * 105 * 227 1 559	5 3 2	1 0	
ct Uses-Boiler Fuel entional Boiler Use and/or Cogeneration Process Uses-Total Process ess Heating ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		1 1 145 -3 7 140	1 1 0 2 2	1 332 * 105 * 227 1 559	5 3 2	1 0	
entional Boiler Use and/or Cogeneration Process Uses-Total Process ass Heating ass Cooling and Refrigeration sine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		1 145 -3 7 140	1 0 2 2	* 105 * 227 1 559	3	0	
and/or Cogeneration Process Uses-Total Process ass Heating ass Cooling and Refrigeration sine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		 145 -3 7 140	0 2 2	* 227 1 559	2		
Uses-Total Process ess Heating ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		145 -3 7 140	2 2	1 559		т	
ess Heating ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		-3 7 140	2		30	0	
ess Cooling and Refrigeration nine Drive ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		140	^	* 521	30	0	
ro-Chemical Processes r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation			0	0 *	*	0	
r Process Use Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation		*	0	1 9	*	0	
Uses-Total Nonprocess ty HVAC (g) ty Lighting r Facility Support te Transportation entional Electricity Generation							
ty HVAC (g) ty Lighting r Facility Support :e Transportation entional Electricity Generation		1	0	* 28	*	0	
ty Lighting r Facility Support :e Transportation entional Electricity Generation		11 6	0	4 6 * 2	*	0	
r Facility Support te Transportation entional Electricity Generation		4		* 2		0 	
e Transportation entional Electricity Generation		2	0	* *	*	0	
		0		3 0	*		
			0	* 3	*	0	
r Nonprocess Use		*	0	1 *	0	0	
se Not Reported	2,275	2	*	* 104	*	0	2,16
alt Paving Mixture and Block							
FUEL CONSUMPTION	57	3	2	5 42	1	0	
ct Uses-Boiler Fuel		*	0	* 5	*	0	
entional Boiler Use		*	0	* 1	*	0	
and/or Cogeneration Process			0	* 5	*	0	
Uses-Total Process ess Heating		3 1	2 1	3 36 1 30	1 1	0	
ess Cooling and Refrigeration		*	*	* *	0	0	
nine Drive		2	*	1 4	*	0	
ro-Chemical Processes		*					
r Process Use		*	*	* 2	*	0	
Uses-Total Nonprocess				1 1			
		*		* *	*		
		*			*		
			0	* *	0	0	
r Nonprocess Use		*	0	* *	*	0	
se Not Reported	5	*	0	* *	*	0	
nalt Shingle and Coating Materials							
FUEL CONSUMPTION	14	2	*	* 11	*	*	
ct Uses-Boiler Fuel		*	*	* 3	*	0	
entional Boiler Use		*	0	* 1	*	0	
and/or Cogeneration Process				-		0	
		2 *			*		
		*		/			
nine Drive		2	0	* *	*	0	
ro-Chemical Processes		*					
r Process Use		*	0	* *	*	*	
Uses-Total Nonprocess		*	0	* 1	*	0	
ty HVAC (g)			0			0	
ty Lighting					*		
		*		* *	*		
				* *			
		0	0	* *	*	0	
r Nonprocess Use	*	0				0	
rrttytytytytytytytytytytytytytytytytyty	process Use Uses-Total Nonprocess y HVAC (g) y Lighting Facility Support Fransportation Intional Electricity Generation Nonprocess Use e Not Reported alt Shingle and Coating Materials FUEL CONSUMPTION t Uses-Boiler Fuel Intional Boiler Use Ind/or Cogeneration Process Uses-Total Process ss Heating ss Cooling and Refrigeration Ine Drive Do-Chemical Processes Process Use Uses-Total Nonprocess y HVAC (g) y Lighting Facility Support Transportation Intional Electricity Generation	Process Use	Process Use	Process Use	Process Use	Process Use	Process Use

	TOTAL FUEL CONSUMPTION	58	-1	0	* 8	*	7	44
	Indirect Uses-Boiler Fuel		*	0	* 2	*	0	
	Conventional Boiler Use		*	0	* 1	0	0	
	CHP and/or Cogeneration Process			0	* 1	*	0	
				0	* 5	*	7	
	Direct Uses-Total Process		-1			*		
	Process Heating			0			0	-
	Process Cooling and Refrigeration		*	0	0 0	*	0	
	Machine Drive		-1	0	* 0	0	0	
	Electro-Chemical Processes		0					-
	Other Process Use		*	0	* 0	*	7	-
	Direct Uses-Total Nonprocess		*	0	* 1	*	*	-
	Facility HVAC (g)		*	0	* 1	*	0	
			*					
	Facility Lighting		*			*		
	Other Facility Support			0			0	-
	Onsite Transportation		*		* 0	*		
	Conventional Electricity Generation			0	* 0	0	0	-
	Other Nonprocess Use		*	0	* *	0	*	-
	End Use Not Reported	44	0	0	0 0	*	0	44
325	CHEMICALS							
	TOTAL FUEL CONSUMPTION	3,527	458	2	10 2,002	4	237	814
	Indirect Uses-Boiler Fuel		7	2	3 1,053	*	163	-
	Conventional Boiler Use		7	2	1 333	*	24	
	CHP and/or Cogeneration Process			*	2 720	*	140	
				*				
	Direct Uses-Total Process		380	*	3 880 * 708	1	16	
	Process Heating		20			1	16	-
	Process Cooling and Refrigeration		39	0	* 16	*	0	
	Machine Drive		253	0	2 91	*	*	
	Electro-Chemical Processes		58					-
	Other Process Use		9	0	* 66	1	0	-
	Direct Uses-Total Nonprocess		64	*	4 58	1	2	-
	Facility HVAC (g)		33	*	* 48	*	2	
	Facility Lighting		21					
	Other Facility Support		6	0	* 7	*	0	-
	Onsite Transportation		1		3 *	1		-
	Conventional Electricity Generation			0	* *	*	0	-
	Other Nonprocess Use		2	0	* 2	*	0	-
	End Use Not Reported	889	7	0	* 11	1	56	814
					1 100 100 100 100 100 100 100 100 100 1			
325110	Petrochemicals							
325110	Petrochemicals							
325110	Petrochemicals							
325110	Petrochemicals TOTAL FUEL CONSUMPTION	537	20	0	1 309	1	0	207
325110	TOTAL FUEL CONSUMPTION	537	20			1		
325110	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel			0	* 87		0	
325110	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use		*	0	* 87 * 19	*	0	
325110	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process		*	0 0	* 87 * 19 * 68	*	0 0 0	
325110	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process		* 19	0 0 0 0	* 87 * 19 * 68 * 221	*	0 0 0	
325110	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	 	* * 19 1	0 0 0 0	* 87 * 19 * 68 * 221 0 C	*	0 0 0 0	
325110	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process		* * 19 1 3	0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3	* * * * * * * * 0	0 0 0 0 0	
325110	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	 	* * 19 1	0 0 0 0	* 87 * 19 * 68 * 221 0 C	*	0 0 0 0	
325110	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		* * 19 1 3	0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3	* * * * * * * * 0	0 0 0 0 0	
325110	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		* 19 1 3 12 3	0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0	
325110	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 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C	* * * * * * * O *	0 0 0 0 0 0 0	
325110	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		* 19 1 3 12 3 0 1	0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1	* *	0 0 0 0 0 0 0 0	
325110	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 (g)		* 19 1 3 12 3 0 1 1	0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * *	* * * * * * O *	0 0 0 0 0 0 0 0 0	
325110	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 (g) Facility Lighting		* * 19 1 3 12 3 0 1 1 1 *	0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * *	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0	
325110	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 (g) Facility Lighting Other Facility Support		* * 19 1 3 12 3 0 1 1 1 * *	0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * * * *	* * * 0 * * 0 0	0 0 0 0 0 0 0 0 0	
325110	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 (g) Facility Lighting		* * 19 1 3 12 3 0 1 1 1 *	0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * *	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0	
325110	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 (g) Facility Lighting Other Facility Support		* * 19 1 3 12 3 0 1 1 1 * *	0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * * * *	* * * 0 * * 0 0	0 0 0 0 0 0 0 0 0 0 0	
325110	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		* * 19 1 3 12 3 0 1 1 1 * *	0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0	* * * 0 * * * 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0	
3253110	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		* * 19 1 3 12 3 0 1 1 1 * * * *	0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0	* * * * 0 * * 0 * 0 0	0 0 0 0 0 0 0 0 0 0 0 0	
325110	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		* * 19 1 3 12 3 0 1 1 * *	0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * * * 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	
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		* * 19 1 3 12 3 0 1 1 1 * * * *	0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * * * 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	
325110	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		* * 19 1 3 12 3 0 1 1 1 * * * *	0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * * * 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	
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		* * 19 1 3 12 3 0 11 1 1 * * * *	0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * * * 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	20
	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 (g) Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Industrial Gases		* * 19 1 3 12 3 0 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	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * 0 0 * 1 * 0 * 0 * 0	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Industrial Gases TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel		* * 19 1 3 12 3 0 1 1 * * 0 1 1 68	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * 0 * 0 * 1 * 0 * 1 * 5	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Industrial Gases TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use		* * 19 1 3 12 3 0 1 1 * * * 0 68 68 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * 0 0 * 1 * 0 * 1 * 0 * 38 * 5 * 38	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Industrial Gases TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process		* * 19 1 3 12 3 0 1 1 * * * 0 0 68 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Industrial Gases TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process		* * 19 1 3 12 3 0 1 1 * * 0 68 * * 66	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * 0 * 1 * 0 * 1 * 0 * 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Industrial Gases TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process		* * 19 1 3 12 3 0 1 1 * * * 0 0 68 * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 87 * 19 * 68 * 221 0 C 0 3 * W * C * 1 * * * 0 * 0 * 1 * 0 * 1 * 38 * 5 * 38 * 2	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2077

	Machine Drive		64	0	* 5	0	0
	Electro-Chemical Processes		*				
	Other Process Use		0	0	0 4	0	0
	Direct Uses-Total Nonprocess		2	0	* 16	*	0
	Facility HVAC (g)		1	0	* 16	*	0
	Facility Lighting		*				
	Other Facility Support		*	0	* *	*	0
	Onsite Transportation		*		* *	*	
	Conventional Electricity Generation			0	0 0	0	0
	Other Nonprocess Use		*	0	* 0	0	0
	End Use Not Reported	3	*	0	0 0	*	0 3
325180	Other Basic Inorganic Chemicals						
	TOTAL FUEL CONSUMPTION	358	79	0	1 151	*	53 74
	Indirect Uses-Boiler Fuel		2	0	* 51	*	51
	Conventional Boiler Use		2	0	* 15	*	5
	CHP and/or Cogeneration Process			0	* 36	*	46
	Direct Uses-Total Process		70	0	* 97	*	2
	Process Heating		4	0	* 49	*	2
	Process Cooling and Refrigeration		3	0	* *	0	0
	Machine Drive		18	0	* 47	*	0
	Electro-Chemical Processes		40				
	Other Process Use		5	0	* 1	*	0
	Direct Uses-Total Nonprocess		6	0	1 3	*	0
	Facility HVAC (g)		2	0	* 2	*	0
	Facility Lighting		2				
	Other Facility Support		1	0	* *	*	0
	Onsite Transportation		*		1 0	*	
	Conventional Electricity Generation			0	* 0	0	0
	Other Nonprocess Use		*	0	* 0	*	0
	End Use Not Reported	76	Q	0	0 Q	*	0 74
325193	Ethyl Alcohol						
	TOTAL FUEL CONSUMPTION	491	39	0	1 363	*	80 8
	Indirect Uses-Boiler Fuel		1	0	0 218	0	35
	Conventional Boiler Use		1	0	0 121	0	6
	CHP and/or Cogeneration Process			0	0 97	0	29
	Direct Uses-Total Process		33	0	* 138	*	3
	Process Heating		2	0	0 121	0	3
	Process Cooling and Refrigeration		4	0	0 1	0	0
	Machine Drive		26	0	* 1	*	0
	Electro-Chemical Processes		*				
	Other Process Use		1	0	0 15	0	0
	Direct Uses-Total Nonprocess		3	0	* 4	*	0
			1	0	0 3	*	0
	Facility HVAC (g)		<u>1</u>	<u>_</u>			
	Pacility Lighting Other Escility Support		*		* 1	*	
	Other Facility Support		*	0	* 1 * *	*	
	Onsite Transportation						
	Conventional Electricity Generation			0	* 0	0	0
	Other Nonprocess Use		0	0		0 *	0
	End Use Not Reported	55	1	0	* Q	*	43 8
325194	Cyclic Crudes Intermediate and Gum and Wood Chem	icale					
343134	Cyclic Crudes, Intermediate and Gum and Wood Chemi	ivais					
	TOTAL FUEL CONSUMPTION	41	10	0	* 24	*	0 7
	Indirect Uses-Boiler Fuel		*	0	* 15	0	0
	Conventional Boiler Use		*	0	* 6	0	0
	CHP and/or Cogeneration Process			0	0 9	0	0
	Direct Uses-Total Process		8	0	* 9	*	0
			8	0	0 8	*	0
	Process Geoling and Refrigoration						
	Process Cooling and Refrigeration		2	0	u	0	0
	Machine Drive		5	0		0	0
	Electro-Chemical Processes		*				
	Other Process Use		*	0	* *	*	0
	Direct Uses-Total Nonprocess		2	0	* *	*	0
	Facility HVAC (g)		1	0	* *	*	0
	Facility Lighting		1				
	Other Facility Support		*	0	0 *	*	0
	Onsite Transportation		*		* 0	*	
	Conventional Electricity Generation			0	* 0	0	0

	Other Nonprocess Use		0	0	0 *	0	0
	End Use Not Reported	7	*	0	0 0	0	0
325199	Other Basic Organic Chemicals						
	Other Duste Organic Chemicans						
	TOTAL FUEL CONSUMPTION	791	57	2	2 364	*	59 3
	Indirect Uses-Boiler Fuel		1	2	* 230	*	46
	Conventional Boiler Use		1	2	* 84	*	1
	CHP and/or Cogeneration Process			0	* 145	*	45
	Direct Uses-Total Process		48	0	1 127	*	0
	Process Heating		2	0	* 88	*	0
	Process Cooling and Refrigeration		<u>-</u>	0	0 4	*	0
	Machine Drive		36	0	1 15	*	0
	Electro-Chemical Processes		3				
	Other Process Use		*	0	* 20	*	0
				0	1 6	*	0
	Direct Uses-Total Nonprocess		8	0	* 4	*	0
	Facility HVAC (g)		3				
	Facility Lighting		*			*	
	Other Facility Support		*	0	* 1	*	0
	Onsite Transportation				* *		
	Conventional Electricity Generation		*	0		0	0
	Other Nonprocess Use			0	* Q * *	*	0
	End Use Not Reported	321	1	0	*		13 3
25211	Plastics Materials and Resins						
	TOTAL FUEL CONSUMPTION	552	58	*	1 375	1	14 1
	Indirect Uses-Boiler Fuel		1	*	* 283	*	6
	Conventional Boiler Use		1	*	* 25	*	6
	CHP and/or Cogeneration Process			*	* 257	*	0
	Direct Uses-Total Process		50	*	* 86	*	Q
	Process Heating		3	*	0 72	*	Q
	Process Cooling and Refrigeration		3	0	* 6	*	0
	Machine Drive		34	0	* 4	*	0
	Electro-Chemical Processes		9				
	Other Process Use		*	0	* 5	*	0
	Direct Uses-Total Nonprocess		6	*	1 6	*	1
	Facility HVAC (g)		3	*	* 4	*	1
	Facility Lighting		2				
	Other Facility Support		1	0	* 2	*	0
	Onsite Transportation		*		1 *	*	
				0	* *		0
	Conventional Electricity Generation		*		* *	0	
	Other Nonprocess Use			0		*	0
	End Use Not Reported	104	1	0	0 *	_	0 1
325212	Synthetic Rubber						
	TOTAL FUEL CONSUMPTION	33	4	0	* 19	*	1
	Indirect Uses-Boiler Fuel		*	0	* 18	*	1
	Conventional Boiler Use		*	0	* 8	0	0
	CHP and/or Cogeneration Process			0	* 10	*	1
	Direct Uses-Total Process		3	0	* 1	*	0
	Process Heating		*	0	* 1	0	0
	Process Cooling and Refrigeration		1	0	0 *	0	0
	Machine Drive		2	0	* *	*	0
	Electro-Chemical Processes		0				
	Other Process Use		0	0	* *	0	0
	Direct Uses-Total Nonprocess		1	0	* *	*	0
	Facility HVAC (g)		*	0	0 *	*	0
	Facility Lighting		*				
	Other Facility Support		*	0	0 *	0	0
	Onsite Transportation		*		* 0	*	
	Conventional Electricity Generation			0	* 0	0	0
	Other Nonprocess Use		*	0	* *	*	0
	End Use Not Reported	10	*	0	* 0	*	0
	Artificial and Synthetic Fibers and Filaments						
	Artificial and Synthetic Fibers and Filaments						
25220	Artificial and Synthetic Fibers and Filaments TOTAL FUEL CONSUMPTION	35	11	*	* 13	*	10
325220		35	11 *	*	* 13 * 9	*	10

Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		9 1 1 6 * 1 2	* * 0 0 0 0 0	* * 0 * 0 * 0 *	4 3 1 * *	* * 0 * * * *	* * 0 0 0 0
Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		1 6 * 1 2 1	0 0 0	0 * 0 *	******	0 * *	0 0 0
Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		6 * 1 2	0 0 0	0	*	*	0 0
Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		* 1 2	 0 0	 0 *	*		 0
Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		1 2 1	0	0	*	*	0
Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		2	0	*	*		
Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		1				*	0
Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation			0	0			
Other Facility Support Onsite Transportation Conventional Electricity Generation		1		U	*	*	0
Onsite Transportation Conventional Electricity Generation		1					
Conventional Electricity Generation		*	0	*	*	0	0
		*		*	*	*	
			0	*	0	0	0
Other Nonprocess Use		*	0	*	0	*	0
End Use Not Reported	*	0	0	0	*	*	0 *
325311 Nitrogenous Fertilizers							
TOTAL FUEL CONSUMPTION	182	13	*	*	158	*	0 10
Indirect Uses-Boiler Fuel		*	*	0	36	*	0
Conventional Boiler Use		*	0	0	12	0	0
CHP and/or Cogeneration Process			*	0	24	*	0
Direct Uses-Total Process		10	0	*	115	*	0
Process Heating		1	0	*	103	*	0
Process Cooling and Refrigeration		1	0	*	*	0	0
Machine Drive		8	0	*	3	0	0
Electro-Chemical Processes		*					
Other Process Use		*	0	*	9	0	0
Direct Uses-Total Nonprocess		2	0	*	*	*	0
Facility HVAC (g)		1	0	0	*	*	0
Facility Lighting		1					
Other Facility Support		*	0	0	*	0	0
Onsite Transportation		*		*	0	*	
Conventional Electricity Generation			0	*	0	0	0
Other Nonprocess Use		*	0	*	0	0	0
End Use Not Reported	19	1	0	0	7	*	0 10
LIN OSE NOL REPOREU		<u>+</u>					
325312 Phosphatic Fertilizers							
TOTAL FUEL CONSUMPTION	36	7	*	2	25	*	2 *
Indirect Uses-Boiler Fuel		*	*	1	3	*	2
Conventional Boiler Use		*	0	0	1	0	0
CHP and/or Cogeneration Process			*	1	2	*	2
Direct Uses-Total Process		6	0	*	22	*	0
Process Heating		*	0	0	21	*	0
Process Cooling and Refrigeration		*	0	0	*	0	0
Machine Drive		6	0	*	0	0	0
Electro-Chemical Processes		0					
Other Process Use		0	0	*	*	*	0
Direct Uses-Total Nonprocess		*	0	1	*	*	0
Facility HVAC (g)		*	0	0	*	*	0
Facility Lighting		*					
Other Facility Support		*	0	0	*	0	0
Onsite Transportation		*		1	0	*	
Conventional Electricity Generation			0	0	0	0	0
Other Nonprocess Use		*	0	*	0	0	0
End Use Not Reported	*	*	0	0	*	0	0 *
2354 Dhawasautisala and Madisinas							
3254 Pharmaceuticals and Medicines							
TOTAL FUEL CONSUMPTION	94	36	0	1	50	*	3 4
Indirect Uses-Boiler Fuel		1	0	*	36	*	2
		1	0	*	17	*	*
Conventional Boiler Use			0	*	19	*	2
Conventional Boiler Use				*	5	*	0
CHP and/or Cogeneration Process		10	Λ				
CHP and/or Cogeneration Process Direct Uses-Total Process		18	0			*	
CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating		1	0	*	4	*	0
CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration		1 6	0			* 0	0
CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive		1	0 0	*	*	0 *	0 0
CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes		1 6 10 *	0 0 0	*	*	0	0 0 0
CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive		1 6 10	0 0	* *	*	*	0 0

	Facility Lighting		5					
	Other Facility Support		1	0	*	1	*	0
	Onsite Transportation		*		*	*	*	
	Conventional Electricity Generation			0	*	*	*	0
	Other Nonprocess Use		*	0	*	*	*	0
	End Use Not Reported	4	*	0	*	*	0	0
5412	Pharmaceutical Preparation							
	TOTAL FUEL CONSUMPTION	47	19	0	1	21	*	3
	Indirect Uses-Boiler Fuel		*	0	*	14	*	2
	Conventional Boiler Use		*	0	*	8	*	*
	CHP and/or Cogeneration Process			0	*	6	*	2
	Direct Uses-Total Process		10	0	*	3	*	0
	Process Heating		1	0	*	2	*	0
	Process Cooling and Refrigeration		3	0	*	*	0	0
	Machine Drive		5	0	*	*	*	0
	Electro-Chemical Processes		*					
	Other Process Use		*	0	*	1	*	0
	Direct Uses-Total Nonprocess		9	0	*	4	*	1
	Facility HVAC (g)		6	0	*	4	*	1
	Facility Lighting		2					
			1	0	*	*	*	0
	Other Facility Support		*	U	*	*	*	
	Onsite Transportation			0	*	*	*	0
	Conventional Electricity Generation Other Nonprocess Use		*	0	*	*	*	0
			*	0		*		0
	End Use Not Reported	3		U	0		0	
992	Photographic Film, Paper, Plate, and Chemicals							
				*	*		*	
	TOTAL FUEL CONSUMPTION	9	*	*	*	4	*	0
	Indirect Uses-Boiler Fuel		*			2		0
	Conventional Boiler Use			0	0 *	1	0 *	0
	CHP and/or Cogeneration Process				*	1	*	0
	Direct Uses-Total Process		2	0		1		0
	Process Heating		*	0	0	1	*	0
	Process Cooling and Refrigeration		1	0	0	0	*	0
	Machine Drive		1	0	*	*	*	0
	Electro-Chemical Processes		*					
	Other Process Use		*	0	0	*	0	0
	Direct Uses-Total Nonprocess		1	0	*	*	*	0
	Facility HVAC (g)		1	0	*	*	*	0
	Facility Lighting		*					
	Other Facility Support		*	0	*	*	*	0
	Onsite Transportation		*		*	0	*	
	Conventional Electricity Generation			0	*	*	0	0
	Other Nonprocess Use		*	0	*	*	0	0
	End Use Not Reported	2	*	0	0	*	*	0
	PLASTICS AND RUBBER PRODUCTS							
	TOTAL FUEL CONSUMPTION	294	190	0	Q	90	4	Q
	Indirect Uses-Boiler Fuel		190	0	*	42	*	Q
	Conventional Boiler Use		1	0	*	21	*	<u>Q</u> *
	CHP and/or Cogeneration Process		<u>-</u>	0	0	21	*	
					*		*	Q
	Direct Uses-Total Process		145	0	*	25	*	0
	Process Gooling and Refrigeration		29	0		23		0
	Process Cooling and Refrigeration		15	0	0 *		0 *	0
	Machine Drive		98	0		1		0
	Electro-Chemical Processes		Q				*	
	Other Process Use		Q	0	0	*		0
	Direct Uses-Total Nonprocess		43	0	Q	21	3	*
	Facility HVAC (g)		19	0	*	20	1	*
	Facility Lighting		17					
	Other Facility Support		4	0	*	1	*	0
	Onsite Transportation		1		*	*	2	
	Conventional Electricity Generation			0	*	0	0	0
	Other Nonprocess Use		Q	0	Q	*	*	0
	End Use Not Reported	7	Q	0	*	Q	1	0

	TOTAL FUEL CONSUMPTION	827	128	*	19 333	3	235 109
	Indirect Uses-Boiler Fuel		1	*	* 13	*	1
	Conventional Boiler Use		1	0	* 2	*	0
	CHP and/or Cogeneration Process			*	* 11	*	1
	Direct Uses-Total Process		105	*	8 278	1	234
	Process Heating			*		1	
			31		1 266		233
	Process Cooling and Refrigeration		5	0	0 2	*	0
	Machine Drive		64	0	4 8	*	1
	Electro-Chemical Processes		2				
	Other Process Use		3	0	Q 3	*	0
				*			*
	Direct Uses-Total Nonprocess		16		11 21	1	
	Facility HVAC (g)		8	*	* 19	*	*
	Facility Lighting		6				
	Other Facility Support		2	0	* 2	*	0
	Onsite Transportation		*		8 *	1	
					* *	*	
	Conventional Electricity Generation			0			0
	Other Nonprocess Use		*	0	2 *	*	0
	End Use Not Reported	136	Q	0	* Q	1	* 109
327120	Clay Building Material and Refractories						
	TOTAL FUEL CONSUMPTION	43	5	*	1 35	*	1 1
	Indirect Uses-Boiler Fuel		*	0	0 1	0	0
	Conventional Boiler Use		*	0	0 *	0	0
	CHP and/or Cogeneration Process			0	0 1	0	0
				*		*	
	Direct Uses-Total Process		4				1
	Process Heating		1	*	* 32	*	1
	Process Cooling and Refrigeration		*	0	0 0	0	0
	Machine Drive		3	0	* *	*	0
	Electro-Chemical Processes		*				
	Other Process Use		*	0	* *	*	0
						*	
	Direct Uses-Total Nonprocess		1	0	Z		0
	Facility HVAC (g)		*	0	* 1	*	0
	Facility Lighting		*				
	Other Facility Support		*	0	0 *	*	0
			*		* *	*	
	Onsite Transportation						
	Conventional Electricity Generation			0		*	0
	Other Nonprocess Use		*	0	* *	0	0
	End Use Not Reported	2	*	0	* 1	*	* 1
327211	Flat Glass						
	TOTAL FUEL CONSUMPTION	62	6	0	* 47	*	0 9
	Indirect Uses-Boiler Fuel		*	0	0 *	0	0
	Conventional Boiler Use		*	0	0 *	0	0
	CHP and/or Cogeneration Process			0	0 0	0 *	0
	Direct Uses-Total Process		5	0			0
	Process Heating		2	0	0 39	*	0
	Process Cooling and Refrigeration		*	0	0 2	0	0
	Machine Drive		2	0	* 2	0	0
	Electro-Chemical Processes		*				
			*			*	
	Other Process Use			0			0
	Direct Uses-Total Nonprocess		1	0	* 1	*	0
	Facility HVAC (g)		*	0	* 1	*	0
	Facility Lighting		*				
	Other Facility Support		*	0	0 *	*	0
			*			*	
	Onsite Transportation						
	Conventional Electricity Generation			0	* 0	0	0
	Other Nonprocess Use		0	0	* 0	0	0
	End Use Not Reported	12	*	0	* 2	*	0 9
227242	Other December 2 Discourse Class and Discourse						
327212	Other Pressed and Blown Glass and Glassware						
	TOTAL FUEL CONSUMPTION	32	8	0	* 24	*	0 *
	Indirect Uses-Boiler Fuel		*	0	* 3	0	0
			*		* *		
	Conventional Boiler Use			0		0	0
	CHP and/or Cogeneration Process			0	* 3	0	0
	Direct Uses-Total Process		6	0	* 20	*	0
	Process Heating		3	0	* 19	*	0
	Process Cooling and Refrigeration		1	0	0 *	0	0
						*	
	Machine Drive		2	0	* 1	*	0

	Electro-Chemical Processes	<u></u>	*					
	Other Process Use		*	0	* 1	*	0	
	Direct Uses-Total Nonprocess		1	0	* 1	*	0	
	Facility HVAC (g)		1	0	0 1	*	0	
	Facility Lighting		*					
	Other Facility Support		*	0	0 *	0	0	
	Onsite Transportation		*		* *	*		
	Conventional Electricity Generation			0	* 0	0	0	 .
	Other Nonprocess Use		0	0	* 0	*	0	
	End Use Not Reported	*	0	0	0 0	*	0	*
327213	Glass Containers							
	TOTAL FUEL CONSUMPTION	58	12	0	* 46	*	0	*
	Indirect Uses-Boiler Fuel		*	0	0 *	*	0	
	Conventional Boiler Use		*	0	0 *	0	0	
	CHP and/or Cogeneration Process			0	0 *	*	0	
	Direct Uses-Total Process		11	0	* 43	*	0	
	Process Heating		4	0	* 42	*	0	
	Process Cooling and Refrigeration		*	0	0 *	0	0	
	Machine Drive		6	0	* 1	*	0	
	Electro-Chemical Processes		0					
	Other Process Use		*	0	* 0	0	0	
	Direct Uses-Total Nonprocess		1	0	* 2	*	0	
	Facility HVAC (g)		1	0	* 2	*	0	
	Facility Lighting		1					
	Other Facility Support		*	0	0 *	*	0	
	Onsite Transportation		*		* 0	*		
	Conventional Electricity Generation			0	* 0	0	0	
	Other Nonprocess Use		0	0	* 0	0	0	
	End Use Not Reported	*	0	0	0 0	*	0	*
327215	Glass Products from Purchased Glass							
	TOTAL FUEL CONSUMPTION	23	*	*	* 11	*	*	*
	Indirect Uses-Boiler Fuel		*			*	0	
	Conventional Boiler Use			0		*	0	
	CHP and/or Cogeneration Process			0	* 1	*	0	
	Direct Uses-Total Process		9 4	0	0 8	*	0	
	Process Heating Process Cooling and Refrigeration		*	0	0 *	0	0	
	Machine Drive		3	0	* *	*	0	
	Electro-Chemical Processes		*					
	Other Process Use		*	0	* *	*	0	
	Direct Uses-Total Nonprocess		2	0	* 2	*	*	
	Facility HVAC (g)		1	0	0 2	*	*	
	Facility Lighting		1					
	Other Facility Support		*	0	0 *	*	0	
	Onsite Transportation		*		* *	*		
	Conventional Electricity Generation			0	* *	*	0	
	Other Nonprocess Use		*	0	* *	*	0	
	End Use Not Reported	1	1	0	* *	*	0	*
327310	Cements							
	TOTAL FUEL CONSUMPTION	297	38	*	4 21	*	158	77
	Indirect Uses-Boiler Fuel		*	0	0 *	0	1	
	Conventional Boiler Use		*	0	0 0	0	0	
	CHP and/or Cogeneration Process			0	0 *	0	1	
	Direct Uses-Total Process		35	*	2 20	*	157	
	Process Heating		7	*	1 20	*	156	
	Process Cooling and Refrigeration		2	0	0 *	*	0	
	Machine Drive		26	0	1 *	*	1	
	Electro-Chemical Processes		*					
	Other Process Use		1	0	* 0	*	0	
	Direct Uses-Total Nonprocess		2	0	2 *	*	0	
	Facility HVAC (g)		1	0	* *	*	0	
	Facility Lighting		1					
	Other Facility Support		*	0	0 *	*	0	
	Onsite Transportation		*		2 0	*		
					* 0	0	0	
	Conventional Electricity Generation			0	* 0			
	Conventional Electricity Generation Other Nonprocess Use		*	0	* 0	*	0	

	End Use Not Reported	77	*	0	*	*	*	0	
327410	Lime								
	TOTAL FUEL CONSUMPTION	105	5	0	1	6	*	73	
	Indirect Uses-Boiler Fuel		*	0	0	0	0	0	
	Conventional Boiler Use		*	0	0	0	0	0	
	CHP and/or Cogeneration Process			0	0	0	0	0	
	Direct Uses-Total Process		5	0	*	6	*	73	
	Process Heating		1	0	*	6	*	73	
	Process Cooling and Refrigeration		*	0	0	0	0	0	
	Machine Drive		4	0	*	0	*	0	
	Electro-Chemical Processes		0						
	Other Process Use		*	0	*	0	*	0	
	Direct Uses-Total Nonprocess		*	0	1	*	*	0	
	Facility HVAC (g)		*	0	0	*	*	0	,
	Facility Lighting		*						
	Other Facility Support		*	0	0	*	0	0	
	Onsite Transportation		*		1	0	*		
				0	0	0	0	0	
	Conventional Electricity Generation			0					
	Other Nonprocess Use		0		0 *	0	0	0	
	End Use Not Reported	19	·	0	*	0	*	0	
7420	Gypsum								
	TOTAL FUEL CONCUMENTION	F2			*	47	*		
	TOTAL FUEL CONSUMPTION	53	5	0	*	47		0	
	Indirect Uses-Boiler Fuel		*	0		<u>1</u> *	0	0	
	Conventional Boiler Use			0	*		0	0	
	CHP and/or Cogeneration Process			0	0	*	0	0	
	Direct Uses-Total Process		4	0	*	45	0	0	
	Process Heating		*	0	*	43	0	0	
	Process Cooling and Refrigeration		*	0	0	0	0	0	
	Machine Drive		3	0	*	2	0	0	
	Electro-Chemical Processes		0						
	Other Process Use		0	0	*	0	0	0	
	Direct Uses-Total Nonprocess		1	0	*	2	*	0	
	Facility HVAC (g)		*	0	*	1	*	0	
	Facility Lighting		*						
	Other Facility Support		*	0	*	*	*	0	
	Onsite Transportation		*		*	0	*		
	Conventional Electricity Generation			0	0	*	0	0	
	Other Nonprocess Use		0	0	0	0	0	0	
7993	Mineral Wool								
	TOTAL FUEL CONSUMPTION	33	11	0	*	20	*	0	
	Indirect Uses-Boiler Fuel		*	0	*	*	0	0	
	Conventional Boiler Use		*	0	0	*	0	0	
	CHP and/or Cogeneration Process			0	*	*	0	0	
	Direct Uses-Total Process		9	0	*	18	*	0	
	Process Heating		5	0	0	17	*	0	
	Process Cooling and Refrigeration		*	0	0	*	*	0	
	Machine Drive		4	0	*	*	*	0	
			*						
	Electro-Chemical Processes				*		*		
	Other Process Use		1	0		1		0	
	Direct Uses-Total Nonprocess		1	0	*	2	*	0	
	Facility HVAC (g)		*	0	*	2	*	0	
	Facility Lighting		1						
	Other Facility Support		*	0	*	*	*	0	
	Onsite Transportation		*		*	*	*		
	Conventional Electricity Generation			0	*	0	0	0	
	Other Nonprocess Use		*	0	*	*	*	0	
	End Use Not Reported	2	*	0	0	*	*	0	
	PRIMARY METALS								
	PRIMARY METALS								
	TOTAL FUEL CONSUMPTION	1,684	433	1	6	643	3	18	
		1,684	433	1	6	643 85	3	18 0	
	TOTAL FUEL CONSUMPTION								
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel		2	*	*	85	*	0	

	Process Heating		160	*	1 452	1	11
	Process Cooling and Refrigeration		6	0	* 5	*	0
	Machine Drive		115	*	* 12	*	0
	Electro-Chemical Processes		99				
	Other Process Use		7	0	* 36	*	7
	Direct Uses-Total Nonprocess		35	*	5 47	1	0
	Facility HVAC (g)		15	*	* 39	*	0
	Facility Lighting		14				
	Other Facility Support		4	0	* 7	*	0
	Onsite Transportation		1		5 1	1	
	Conventional Electricity Generation			0	* *	*	0
	Other Nonprocess Use		1	0	* 1	*	0
	End Use Not Reported	595	9	*	* 6	*	0 580
331110	Iron and Steel Mills and Ferroalloys						
	TOTAL FUEL CONSUMPTION	1,172	204	*	4 401	*	17 544
	Indirect Uses-Boiler Fuel		1	*	0 45	*	0
	Conventional Boiler Use		1	*	0 14	0	0
	CHP and/or Cogeneration Process			*	0 31	*	0
	Direct Uses-Total Process		182	0	1 333	*	17
	Process Heating		108	0	* 292	*	11
	Process Cooling and Refrigeration		3	0	0 5	*	0
	Machine Drive		63	0	* 3	*	0
	Electro-Chemical Processes		5				
	Other Process Use		3	0	* 34	*	7
	Direct Uses-Total Nonprocess		14	0	3 19	*	0
	Facility HVAC (g)		5	0	* 14	*	0
	Facility Lighting		6				
	Other Facility Support		2	0	0 4	*	0
	Onsite Transportation		*		3 *	*	
	Conventional Electricity Generation			0	* 0	*	0
	Other Nonprocess Use		*	0	* 1	*	0
	End Use Not Reported	556	8	*	* 4	*	0 544
3312	Steel Products from Purchased Steel						
	TOTAL FUEL CONSUMPTION	57	22	0	1 27	*	0 7
	Indirect Uses-Boiler Fuel		*	0	* 3	*	0
	Conventional Boiler Use		*	0	0 2	0	0
	CHP and/or Cogeneration Process			0	* 1	*	0
	Direct Uses-Total Process		19	0	* 19	*	0
	Process Heating		6	0	* 17	*	0
	Process Cooling and Refrigeration		1	0	* *	0	0
	Machine Drive		13	0	* Q	*	0
	Electro-Chemical Processes		*				
	Other Process Use		*	0	* *	*	0
	Direct Uses-Total Nonprocess		3	0	1 4	*	0
	Facility HVAC (g)		1	0	* 3	*	0
	Facility Lighting		1				
	Other Facility Support		*	0	0 *	*	0
	Onsite Transportation		*		1 *	*	
	Conventional Electricity Generation			0	* *	*	0
	Other Nonprocess Use		*	0	0 *	*	0
	End Use Not Reported	7	*	0	* *	*	0 7
3313	Alumina and Aluminum						
3313							
3313	TOTAL FUEL CONSUMPTION	243	117	*	1 117	1	0 6
3313	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	243	*	*	0 27	*	0
3313	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use			*	0 27 0 3	*	0
3313	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process		*	*	0 27 0 3 0 24	*	0 0 0
3313	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process		* 111	* * 0	0 27 0 3 0 24 * 80	* *	0 0 0 0
3313	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating		* * 111 5	* * 0	0 27 0 3 0 24 * 80 * 74	* * *	0 0 0 0 0
3313	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		* * 111 5	* * 0 * * 0	0 27 0 3 0 24 * 80 * 74 * *	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0
3313	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		* * - 111 5 1 17	* * * 0 * * 0 0	0 27 0 3 0 24 * 80 * 74 * *	* * *	0 0 0 0 0 0 0
3313	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		* 111 5 1 17 88	* * 0 * 0 0 0 0 0 0	0 27 0 3 0 24 * 80 * 74 * *	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0
3313	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		* 111 5 17 88 *	* * 0 * * 0 0 0 0	0 27 0 3 0 24 * 80 * 74 * * * 5	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0
3313	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		* 111 5 1 17 88 *	* * 0 * 0 0 0 0 *	0 27 0 3 0 24 * 80 * 74 * * * 5 * * 1 9	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0
3313	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 (g)		* 1111 5 1 17 888 * 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 0 * * * * * * 0 0 * * * * * * * 0 0 * * * * 0 0 * * * 0 0 * * * 0 0 * * * 0 0 * * 0 0 * 0 0 * 0 * 0 0 0 0 * 0 0 0	0 27 0 3 0 24 * 80 * 74 * * * 5 * * 1 9 * 7	* * * * * * * * * * * * *	0 0 0 0 0 0 0 0
3313	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		* 111 5 1 17 88 *	* * 0 * 0 0 0 0 *	0 27 0 3 0 24 * 80 * 74 * * * 5 * * 1 9	* * * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0

	Onsite Transportation		*		1	1	*	
	Conventional Electricity Generation		<u></u>	0	*	*	0	0
	Other Nonprocess Use		*	00	*	0	*	0
	End Use Not Reported	8	*	0	*	2	*	0
1314	Secondary Smelting and Alloying of Aluminum							
1017	Secondary Smerting and Alloying of Administra							
	TOTAL FUEL CONSUMPTION	20	3	0	*	16	*	0
	Indirect Uses-Boiler Fuel		*	0	0	*	0	0
	Conventional Boiler Use		*	0	0	*	0	0
	CHP and/or Cogeneration Process			0	0 *	*	0 *	0
	Direct Uses-Total Process Process Heating		2 1	0	*	14 14	*	0
	Process Cooling and Refrigeration		*	0	0	0	0	0
	Machine Drive		1	0	*	*	*	0
	Electro-Chemical Processes		*					
	Other Process Use		*	0	*	0	*	0
	Direct Uses-Total Nonprocess		1	0	*	1	*	0
	Facility HVAC (g)		*	0	*	1	*	0
	Facility Lighting		*					
	Other Facility Support		*	0	0	*	0	0
	Onsite Transportation		*		*	0	*	
	Conventional Electricity Generation		*	0	*	*	0 *	0
	Other Nonprocess Use End Use Not Reported	2	*	0	*	0 1	*	0
	End Use Not Reported					1		
1315	Aluminum Sheet, Plate and Foils							
	TOTAL FUEL CONSUMPTION	63	15	*	*	45	*	0
	Indirect Uses-Boiler Fuel		*	0	0	2	0	0
	Conventional Boiler Use		*	0	0	2	0	0
	CHP and/or Cogeneration Process			0	0	*	0	0
	Direct Uses-Total Process		13	*	*	38	*	0
	Process Heating		*	0	0 *	*		0
	Process Cooling and Refrigeration Machine Drive		10	0	*	4	0	0
	Electro-Chemical Processes		*					
	Other Process Use		*	0	0	*	*	0
	Direct Uses-Total Nonprocess		2	0	*	5	*	0
	Facility HVAC (g)		1	0	0	4	0	0
	Facility Lighting		1					
	Other Facility Support		*	0	0	1	*	0
	Onsite Transportation		*		*	*	*	
	Conventional Electricity Generation			0	0	0	0	0
	Other Nonprocess Use		*	0	*	0	0	0
	End Use Not Reported	2	0	0	0	0	0	0
1318	Other Aluminum Rolling, Drawing and Extruding							
	TOTAL FUEL CONSUMPTION	19	6	*	*	13	*	0
	Indirect Uses-Boiler Fuel		*	0	0	1 *	*	0
	CHP and/or Coreneration Process		*	0	0	*	*	0
	CHP and/or Cogeneration Process Direct Uses-Total Process		4	0	*	11	*	0
	Process Heating		1	0	0	10	*	0
	Process Cooling and Refrigeration		*	0	0	*	0	0
	Machine Drive		3	0	*	*	*	0
	Electro-Chemical Processes		*					
	Other Process Use		*	0	*	*	*	0
	Direct Uses-Total Nonprocess		1	*	*	2	*	0
	Facility HVAC (g)		*	*	*	1	*	0
	Facility Lighting		1					
	Other Facility Support		*	0	0	*	*	0
	Onsite Transportation		*		*	*	*	
	Conventional Electricity Generation		*	0	*		0	0
	Other Nonprocess Use End Use Not Reported	1	*	0	*	0 *	0 *	0
	LIIU 035 1401 REPUI LEU	1		U				U
	Nonferrous Metals, except Aluminum							
4								
4								
4								

	Indirect Uses-Boiler Fuel		*	0	* 8	*	0	
	Conventional Boiler Use		*	0	* 4	*	0	
	CHP and/or Cogeneration Process			0	* 5	*	0	
				0	* 30		1	
	Direct Uses-Total Process		40	0	* 29	<u>1</u> 1	0	
	Process Heating		19	0		0	0	
	Process Cooling and Refrigeration		1	0	0 0	*	0	
	Machine Drive		10					
	Electro-Chemical Processes		6		* *	*		
	Other Process Use		3	0			1	
	Direct Uses-Total Nonprocess		4	0	* 4	*	0	
	Facility HVAC (g)		2	0	* 4	*	0	
	Facility Lighting		1					
	Other Facility Support		*	0	* *	*	0	
	Onsite Transportation		*		* *	*		
	Conventional Electricity Generation			0	* *	0	0	
	Other Nonprocess Use		*	0	* *	*	0	
	End Use Not Reported	7	*	0	0 0	*	0	7
331410	Nonferrous Metal (except Aluminum) Smelting and Refining							
	TOTAL FUEL CONSUMPTION	48	27	0	* 16	*	1	4
	Indirect Uses-Boiler Fuel		*	0	* 6	0	0	
	Conventional Boiler Use		*	0	* 2	0	0	
	CHP and/or Cogeneration Process			0	* 4	0	0	
	Direct Uses-Total Process		25	0	* 9	*	1	
	Process Heating		14	0	* 9	*	0	
	Process Cooling and Refrigeration		1	0	0 0	0	0	
	Machine Drive		2	0	* *	0	0	
	Electro-Chemical Processes		6					
	Other Process Use		2	0	* *	*	1	
	Direct Uses-Total Nonprocess		1	0	* 1	*	0	
	Facility HVAC (g)		1	0	0 1	*	0	
	Facility Lighting		*					
	Other Facility Support		*	0	0 *	*	0	
	Onsite Transportation		*		* *	*		
	Conventional Electricity Generation			0	* *	0	0	
	Other Nonprocess Use		*	0	* 0	*	0	
					-			
	End Use Not Reported	4	*	0	0 0	*	0	4
	End Use Not Reported	4	*	0	0 0	*	0	4
3315	End Use Not Reported Foundries	4	*	0	0 0	*	0	4
3315		4	*	0	0 0	*	0	4
3315		4	*		0 0	*		4
3315		118	*	0	0 0	1		15
3315	Foundries							
3315	Foundries TOTAL FUEL CONSUMPTION	118	45	*	1 55	1	*	15
3315	Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	118	45	*	1 55 * 1	1	*	15
3315	Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	118	45 *	* 0	1 55 * 1 * 1	1 *	* 0 0	15
3315	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	118	45 * *	* 0 0 0	1 55 * 1 * 1 * 1	1 * * * *	* 0 0 0	15
3315	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	118	45 * * 36	* 0 0 0 0 *	1 55 * 1 * 1 * 1 * 42	1 * * * * *	* 0 0 0 0 *	15
3315	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	118	45 * * 36 21	* 0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40	1 * * * * *	* 0 0 0 0 * *	15
3315	Foundries 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	118	45 * * - 36 21 1	* 0 0 0 * 0 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40 0 *	1 * * * * * * * * * * * * * * * * * * *	* 0 0 0 0 * *	15
3315	Foundries 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	118	45 * 36 21 1	* 0 0 0 * 0 0 *	1 55 * 1 * 1 * 1 * 42 * 40 0 * 1 * 1	1	* 0 0 0 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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	118	45 * 36 21 1 13 *	* 0 0 0 * 0 0 * 0 *	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1	1 1 * * * *	* 0 0 0 * * * 0 0 0 0	15
3315	Foundries 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	118	45 * 36 21 1 13 * 1 8	* 0 0 0 0 0 * 0 0 0 * 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12	1 * * * * *	* 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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 (g)	118	45 * 36 21 1 13 * 1 8 5	* 0 0 0 * * 0 0 * *	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11	1 * * * * * * * * * * * * * * * * * * *	* 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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 (g) Facility Lighting	118	45 * 36 21 13 * 18 5 3	* 0 0 0 0 * 0 0 * 0 0 0 * 0 0 * *	1 55 * 1 * 1 * 1 * 42 * 40 0 * 1 * 1 1 12 * 11	1 1 * * * * * * * * * * * * * * * * * *	* 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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 (g) Facility Lighting Other Facility Support	118 	45 * * 36 21 1 13 * 1 8 5 3 1	* 0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 11	1 1 * * * * * * * * * * * * * * * * * *	* O O O O * * O O O O O O O O O O O O O	15
3315	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation	118 	45 * 36 21 1 13 * 1 8 5 3 1 *	* 0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 12	1 1 * * * * * * * * * * * * * * * * * *	* 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	118 	45 * 36 21 1 13 * 1 8 5 3 1 *	* 0 0 0 * 0 0 * 0 0 * 0 * 0 0 * 1 0 0 0 1 1 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 11 1 * *	1	* 0 0 0 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	118	45 * * 36 21 1 13 * 1 8 5 3 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	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 12 * 11 * 12 * 11 * 12 * 11 * 12 * 11 * 12 * 11 * 12 * 11 * 14 * 18 * 18 * 18 * 18 * 18 * 18 * 18 * 18	1 1 * * * * * * * * * * * * * * * * * *	* 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation	118 	45 * 36 21 1 13 * 1 8 5 3 1 *	* 0 0 0 * 0 0 * 0 0 * 0 * 0 0 * 1 0 0 0 1 1 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 11 1 * *	1	* 0 0 0 1 * * 0 0 0 0 0 0 0 0 0 0 0 0 0	15
3315	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use	118	45 * * 36 21 1 13 * 1 8 5 3 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	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 12 * 11 * 12 * 11 * 12 * 11 * 12 * 11 * 12 * 11 * 12 * 11 * 14 * 18 * 18 * 18 * 18 * 18 * 18 * 18 * 18	1 1 * * * * * * * * * * * * * * * * * *	* 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	15
	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Iron Foundries	118	45 * 36 21 11 13 * 1 8 5 3 11 * * * * * * * * * * * * * * * * *	* 0 0 0 0 * 0 0 * 0 0 * * 0 0 * * 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 1 12 * 11 1 12 * 11 * 1 1 1 * * * * * * *	1 1 * * * * * * * * * * * * * * * * * *	* O O O O O O O O O O O O O O O O O O O	15
	Foundries 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 HWAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Iron Foundries	118	45 * 36 21 1 13 * 1 8 5 3 1 * * 21	* 0 0 0 0 * 0 0 * 0 0 * 1 0 0 0 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 1 * * * * * * * * * * * * * * * *	1 1 * * * * * * * * * * * * * * * * * *	* 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0	15
	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	118	45 * 36 21 1 13 * 1 8 5 3 1 * * 21 *	* 0 0 0 * 0 0 * 0 0 * 0 0 * 1 0 0 0 0 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 1 * * * * * * * * * * * * * * * *	1	* 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	15
	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	118	45 * 36 21 1 13 * 1 8 5 3 1 * * 21 * * * * 21 * * * * * * * * * * * * *	* 0 0 0 * 0 0 * 0 0 * 0 0 * * 0 0 0 * * * * 0	1 55 * 1 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 1 * * * * * * * * * * * * * * * *	1	*	15
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Iron Foundries TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	118	45 * * 36 21 1 13 * 1 8 5 3 1 * * 21 * *	* 0 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 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 1 * * * * * * * * * * * * * * * *	1	* 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0	15
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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	118	45 * * 36 21 1 13 * 1 8 5 3 1 * * 21 * * 1 1 1 1 1 1 1 1 1 1 1	* 0 0 0 0 * 0 0 * 0 0 * 0 0 0 * * 0	1 55 * 1 * 1 * 1 * 1 * 42 * 40 0 * 1 * 1 1 12 * 11 1 12 * 11 1 * * * * * * * * * * * * * * * *	1 1 * * * * * * * * * * * * * * * * * *	*	15
	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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	118	45 * * 36 21 1 13 * 1 8 5 3 1 * * * 1 1 1 1 1 1 1 1 1 1 1	* 0 0 0 0 * 0 0 * 0 0 * * 0 0 0 * * * 0	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 1 * * * * * * * * * * * * * * * *	1	* 0 0 0 0 * * * 0 0 0 0 0 0 0 0 0 0 0 0	15
	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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	118	45 * * 36 21 1 13 * 1 8 5 3 1 * * 21 * * 1 1 1 1 1 1 1 1 1 1 1	* 0 0 0 0 * 0 0 * 0 0 * 0 0 0 * * 0	1 55 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 * * * * * * * * * * * * * * * * * *	*	15
	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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	118 118	45 * * 36 21 1 13 * 1 8 5 3 1 * * * 1 1 1 1 1 1 1 1 1 1 1	* 0 0 0 0 * 0 0 * 0 0 * * 0 0 0 * * * 0	1 55 * 1 * 1 * 1 * 1 * 42 * 40 0 * * 1 * 1 1 12 * 11 * 1 1 * * * * * * * * * * * * * * * * *	1 1 * * * * * * * * * * * * * * * * * *	* O O O O O O O O O O O O O O O O O O O	15
	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 Process Cooling and Refrigeration	118 118	45 * * 36 21 1 13 * 1 8 5 3 1 * * * 16 10 *	* 0 0 0 0 * 0 0 * 0 0 * * 0 0 0 * * * 0	1 55 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 * * * * * * * * * * * * * * * * * *	* O O O O O O O O O O O O O O O O O O O	15
	Foundries 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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation 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 Process Cooling and Refrigeration Machine Drive	118	45 * * 36 21 1 13 * 1 8 5 3 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	1 55 * 1 * 1 * 1 * 42 * 40 0 * * 1 1 12 * 11 1 12 * 11 * 1 1 6 * * * * * * * * * * * *	1 1 * * * * * * * * * * * * * * * * * *	* O O O O O O O O O O O O O O O O O O O	15

	Direct Uses-Total Nonprocess		4	*	*	6	*	0	
	Facility HVAC (g)		3	*	*	6	*	0	
	Facility Lighting		1						
	Other Facility Support		*	0	*	*	*	0	
	Onsite Transportation		*		*	0	*		
	Conventional Electricity Generation			0	*	0	*	0	
	Other Nonprocess Use		*	0	*	*	*	0	
	End Use Not Reported	15	*	0	*	*	*	0	15
	End use Not Reported								
331523	Nonferrous Metal Die-Casting Foundries								
	TOTAL FUEL CONSUMPTION	24	77	0	*	17	*	0	*
	Indirect Uses-Boiler Fuel		*	0	0	1	0	0	
	Conventional Boiler Use		*	0	0	1	0	0	
	CHP and/or Cogeneration Process			0	0	*	0	0	
	Direct Uses-Total Process		5	0	*	13	*	0	
	Process Heating		2	0	0	13	*	0	- -
	Process Cooling and Refrigeration		*	0	0	*	0	0	
	Machine Drive		3 *	0	*	*	*	0	
	Electro-Chemical Processes					*			
	Other Process Use		*	0	*		*	0	
	Direct Uses-Total Nonprocess		2	0	*	3	*	0	
	Facility HVAC (g)		1	0		2		0	
	Facility Lighting		1		*	*			
	Other Facility Support		*	0	*	*	*	0	
	Onsite Transportation		* 	 0	*				
	Conventional Electricity Generation		*		*	0 *	0	0	
	Other Nonprocess Use	*	*	0	0	0	0 *	0	
	End Use Not Reported			U		U			
331524	Aluminum Foundries, except Die-Casting							0 100 100 100 100 100 100 100 100 100 1	
	TOTAL FUEL CONSUMPTION	11	3	*	*	8	*	0	*
	Indirect Uses-Boiler Fuel		*	0	*	*	*	0	
	Conventional Boiler Use		*	0	*	*	*	0	
	CHP and/or Cogeneration Process			0	*	*	*	0	
	Direct Uses-Total Process		2	*	*	7	*	0	
	Process Heating		1	0	*	7	*	0	
	Process Cooling and Refrigeration		*	0	0	*	0	0	
	Machine Drive		1	*	*	*	*	0	
	Electro-Chemical Processes		*						
	Other Process Use		*	0	*	*	*	0	
	Direct Uses-Total Nonprocess		1	0	*	1	*	0	
	Facility HVAC (g)		*	0	*	1	*	0	
	Facility Lighting		*						
	Other Facility Support		*	0	0	*	*	0	
	Onsite Transportation		*		*	*	*		
	Conventional Electricity Generation			0	0	*	0	0	
	Other Nonprocess Use	*	*	0	0	0	*	0	
	End Use Not Reported	*	*	0	0	*	*	0	*
332	FABRICATED METAL PRODUCTS								
	TOTAL FUEL CONSUMPTION	344	143	0	2	191	7	0	1
	Indirect Uses-Boiler Fuel		Q	0	0	20	*	0	
	Conventional Boiler Use		Q	0	0	Q	*	0	
	CHP and/or Cogeneration Process			0	0	16	*	0	
	Direct Uses-Total Process		97	0	*	118	1	0	
	Process Heating		22	0	*	111	Q	0	
	Process Cooling and Refrigeration		5	0	0	*	0	0	
			61	0	*	Q	*	0	
	Machine Drive		5						
	Machine Drive Electro-Chemical Processes							0	
			5	0	*	Q	*		
	Electro-Chemical Processes		5 41	0	2	Q 47	6	0	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g)		5 41 22						
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting		5 41 22 13	0	2 Q 	47 45	6 Q	0	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support		5 41 22 13 5	0	2 Q	47 45 2	6 Q 	0	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation		5 41 22 13	0 0 0	2 Q *	47 45 2 *	6 Q *	0	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		5 41 22 13 5 1	0 0 0	2 Q * 1	47 45 2 *	6 Q * 4	0 0 0 	
	Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation		5 41 22 13 5	0 0 0	2 Q *	47 45 2 *	6 Q *	0	

Maries the solution								
Indirect that sholler field								
Commerciated locker to be								
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Direct User-Tolk Negocies								
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TOTAL FUEL CONSUMPTION 102 112 *			Q	0	*	Ω	*	
TOTAL FUEL CONSUMPTION								
Indirect Uses Societ Fuel	COMPUTER AND ELECTRONIC PRODUCTS							
Indirect Uses Societ Fuel	TOTAL FUEL CONSUMPTION	162	112	*	1	47	*	n
Committant Boller Use							*	
Circle and/or Cogeneration Process								
Direct User-Potal Process 63 0 * 14 * 0 Process Fooling and Refrigeration 13 0 0 0 0 Process Cooling and Refrigeration 13 0 0 0 0 Process Cooling and Refrigeration 26 0 0 * 0 0 Electro-Chemical Processes 26 0 0 * 0 0 Electro-Chemical Processes 3 0 0 0 0 Electro-Chemical Processes 3 0 0 0 0 Direct User-Foral Morprocess 8 0 0 17 * 0 Direct User-Foral Morprocess 8 0 0 17 * 0 Facility PMAC (g) 27 1 15 1 0 Facility PMAC (g) 27 1 1 1 0 Cheer Facility Support 6 0 0 1 1 1 0 Other Facility Support 6 0 0 1 1 1 0 Other Morprocess Use 2 0 0 0 0 0 End Use Not Reported 2 0 0 0 0 0 End Use Not Reported 2 0 0 0 0 0 End Use Not Reported 1 0 0 1 0 0 Indirect User-Boiler Puel 1 0 0 0 0 0 Other Morprocess Use 0 0 0 2 0 0 Process Floating 1 0 0 0 0 0 0 Process Floating 8 0 0 0 0 0 0 Process Floating 8 0 0 0 0 0 0 Process Floating 1 0 0 0 0 0 0 Process Floating 8 0 0 0 0 0 0 Process Floating 1 0 0 0 0 0 0 Process Floating 1 0 0 0 0 0 0 Process Use 0 0 0 0 0 0 0 Facility PMAC (g) 1 0 0 0 0 0 0 Facility PMAC (g) 1 0 0 0 0 0 0 Facility PMAC (g) 0 0 0 0 0 0 Facility PMAC (g) 0 0 0 0 0 0 0 Facility PMAC (g) 0 0 0 0 0 0 0 Facility PMAC (g) 0 0 0 0 0 0 0 0 Facility PMAC (g) 0 0 0 0 0 0 0 0 Facility PMAC (g) 0 0 0 0 0 0 0 0								
Process Feating							*	
Process Cooling and Refrigeration					*		*	
Mexime Drive							0	
Contentical Processes						*		
Direct User-Total Nonprocess								
Direct Uses-Total Nonprocess								
Facility VIA/C (g)								
Facility lighting								
One Facility Support								
Onster Transportation								
Conventional Electricity's Generation					*		*	
Other Nonprocess Use					*	*	0	
End Use Not Reported 5					*	1		
TOTAL FUEL CONSUMPTION					0		*	
TOTAL FUEL CONSUMPTION 90 65 *	113 Semiconductors and Related Devices							
Indirect Uses-Boiler Fuel								
Conventional Boiler Use 1 0 * 8 * 0 CHP and/or Cogeneration Process 0 0 2 * 0 Direct Uses-Total Process 40 0 * 6 * 0 Process Heating 48 0 0 3 0 0 Process Cooling and Refrigeration 9 0 0 * 0 0 Machine Drive 15 0 * * 0 0 Machine Drive 15 0 * * 0 0 Machine Drive 15 0 * * 0 0 Beletro-Chemical Processes 15 0 * 3 0 0 Direct Uses-Total Nonprocess 24 * 8 * 0 Facility HyAC (g) * * * *	TOTAL FUEL CONSUMPTION	90	65	*	*	24	*	0
CHP and/or Cogeneration Process	Indirect Uses-Boiler Fuel		1	0	*	10	*	0
Direct Uses-Total Process 40 0 * 6 * 0 Process Heating 8 0 0 3 0 0 Process Cooling and Refrigeration 9 0 0 * 0 0 Machine Drive 15 0 * * 0 0 Electro-Chemical Processes 15 0 * * 0 0 Other Process Use 6 0 * 3 0 0 Direct Uses-Total Nonprocess 24 * * 8 * 0 Facility HVAC (g) 15 * * 7 * 0 Facility Support 15 * * 7 * 0 Onsite Transportation * - * 0 * * 0 0 Other Nonprocess Use <td< td=""><td>Conventional Boiler Use</td><td></td><td>1</td><td>0</td><td>*</td><td>8</td><td>*</td><td>0</td></td<>	Conventional Boiler Use		1	0	*	8	*	0
Process Heating Process Heating Process Gooling and Refrigeration Process				0	0		*	0
Process Cooling and Refrigeration 9 0 0 * 0 0 Machine Drive 15 0 * * * 0 Electro-Chemical Processes 2 Other Process Use 6 0 * 3 0 0 0 Direct Uses-Total Nonprocess 24 * * 8 * 0 0 Facility HVAC (g) 15 * * 7 * 0 0 Facility Support 15 * * 7 * 0 0 Onsite Transportation 3 0 * * * 0 0 Other Nonprocess Use 2 0 * 1 * 0 ELEC. EQUIP., APPLIANCES, COMPONENTS * 1 0 0 * 2 1 0<	Direct Uses-Total Process		40	0	*	6	*	0
Machine Drive 15 0 * * 0 Electro-Chemical Processes 2 Other Process Use 6 0 * 3 0 0 Direct Uses-Total Nonprocess 6 0 * 3 0 0 0 Facility HVAC (g) 15 * * 7 * 0 Facility Lighting 4 <td>Process Heating</td> <td></td> <td>8</td> <td>0</td> <td>0</td> <td>3</td> <td>0</td> <td>0</td>	Process Heating		8	0	0	3	0	0
Electro-Chemical Processes	Process Cooling and Refrigeration		9	0	0	*	0	0
Other Process Use 6 0 * 3 0 0 Direct Uses-Total Nonprocess 24 * * 8 * 0 Facility HVAC (g) 15 * * 7 * 0 Facility Lighting 4	Machine Drive		15	0	*	*	*	0
Direct Uses-Total Nonprocess	Electro-Chemical Processes		2					
Facility HVAC (g) 15 * * 7 * 0 Facility HVAC (g) 15 * * 7 * 0 Facility Lighting 4	Other Process Use		6	0	*	3	0	0
Facility Lighting 4	Direct Uses-Total Nonprocess		24	*	*	8	*	0
Other Facility Support 3 0 * * * 0 Onsite Transportation * * 0 * Conventional Electricity Generation 0 * * 0 0 Other Nonprocess Use 2 0 * 1 * 0 End Use Not Reported 2 1 0 0 * 0 0 ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION 71 40 0 * 27 1 0 Indirect Uses-Boiler Fuel * 0 0 3 * 0 Conventional Boiler Use * 0 0 2 * 0 CHP and/or Cogeneration Process 0 0 0 0 0 0	Facility HVAC (g)		15	*	*	7	*	0
Onsite Transportation * * 0 * Conventional Electricity Generation 0 * * 0 0 Other Nonprocess Use 2 0 * 1 * 0 End Use Not Reported 2 1 0 0 * 0 0 ELEC. EQUIP., APPLIANCES, COMPONENTS 4 0 0 * 27 1 0 Indirect Uses-Boiler Fuel * 0 0 3 * 0 Conventional Boiler Use * 0 0 2 * 0 CHP and/or Cogeneration Process 0 0 0 0 0	Facility Lighting		4					
Conventional Electricity Generation	Other Facility Support		3	0	*	*	*	0
Conventional Boiler Use Conventional Boiler Use Conventional Boiler Use Conventional Boiler Use Conventional Poocess Conventional Poole Co	Onsite Transportation		*		*	0	*	
Find Use Not Reported 2 1 0 0 * 0 0 0 0	Conventional Electricity Generation			0	*	*	0	0
ELEC. EQUIP., APPLIANCES, COMPONENTS TOTAL FUEL CONSUMPTION 71 40 0 * 27 1 0 0 Indirect Uses-Boiler Fuel * 0 0 3 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
TOTAL FUEL CONSUMPTION 71 40 0 * 27 1 0 Indirect Uses-Boiler Fuel * 0 0 3 * 0 Conventional Boiler Use * 0 0 2 * 0 CHP and/or Cogeneration Process 0 0 Q 0 0	End Use Not Reported	2	1	0	0	*	0	0
Indirect Uses-Boiler Fuel * 0 0 3 * 0 Conventional Boiler Use * 0 0 2 * 0 CHP and/or Cogeneration Process 0 0 Q 0 0	ELEC. EQUIP., APPLIANCES, COMPONENTS							
Indirect Uses-Boiler Fuel * 0 0 3 * 0 Conventional Boiler Use * 0 0 2 * 0 CHP and/or Cogeneration Process 0 0 Q 0 0	TOTAL ELIEL CONSUMPTION	74	40		*	77	1	
Conventional Boiler Use * 0 0 2 * 0 CHP and/or Cogeneration Process 0 0 Q 0 0								
CHP and/or Cogeneration Process 0 0 Q 0 0 0			*					
	conventional Boller Use		*					
	CUD and day Consequent the December 1							

Process Heating

*

	Process Cooling and Refrigeration		3	0	0 *	0	0
	Machine Drive		11	0	* *	Q	0
	Electro-Chemical Processes		3				
	Other Process Use		1	0	0 *	0	0
	Direct Uses-Total Nonprocess		12	0	* 7	1	0
	Facility HVAC (g)		7	0	* 6	*	0
	Facility Lighting		4				
	Other Facility Support		1	0	* *	*	0
	Onsite Transportation		*		* 0	*	
	Conventional Electricity Generation			0	* 0	*	0
	Other Nonprocess Use		*	0	* *	*	0
	End Use Not Reported	2	*	0	* 0	*	0 2
336	TRANSPORTATION EQUIPMENT						
	TOTAL FUEL CONCURSION	240					
	TOTAL FUEL CONSUMPTION	318	154	1	4 145 * 24	*	1 9
	Indirect Uses-Boiler Fuel		1	1	Z4	*	1
	CONVENTIONAL BOILER USE		1	1			1
	CHP and/or Cogeneration Process			0		0	
	Direct Uses-Total Process		92	0	Q 64 * 56	1 *	0
	Process Cooling and Refrigeration		17 8	0	* 56 0 *	*	0
	Process Cooling and Refrigeration Machine Drive		<u>8</u> 59	0	Q Q	*	0
	Electro-Chemical Processes		1				
	Other Process Use		1	0	* 5	*	0
	Direct Uses-Total Nonprocess		/ 58	0	2 55	3	0
	Facility HVAC (g)		29	0	* 49	*	0
	Facility HVAC (g) Facility Lighting						
	Other Facility Support		6	0	* 2	*	0
	Onsite Transportation		2		1 *	2	
	Conventional Electricity Generation			0	* Q	*	0
	Other Nonprocess Use		2	0	Q Q	*	0
	End Use Not Reported	14	2	0	* 2	*	0 9
	Litu ose Not Reported				<u>Z</u>		
336111	Automobiles						
	TOTAL FUEL CONSUMPTION	33	12	0	* 19	*	* 1
	Indirect Uses-Boiler Fuel		*	0	* 2	*	*
	Conventional Boiler Use		*	0	0 2	*	*
	CHP and/or Cogeneration Process			0	* *	0	0
	Direct Uses-Total Process		8	0	* 12	*	0
	Process Heating		1	0	0 10	*	0
	Process Cooling and Refrigeration		1	0	0 0	0	0
	Machine Drive		5	0	* 0	0	0
	Electro-Chemical Processes		*				
	Other Process Use		*	0	* 1	0	0
	Direct Uses-Total Nonprocess		4	0	* 5	*	0
	Facility HVAC (g)		2	0	* 5	*	0
	Facility Lighting		2 *		* *	*	
	Other Facility Support		*	0	* *	*	0
	Onsite Transportation				* *		
	Conventional Electricity Generation		*	0		0	0
	Other Nonprocess Use End Use Not Reported	1	*	0	* 0	0	0
	End ose Not Reported	1			······		U
336112	Light Trucks and Utility Vehicles						
	TOTAL FUEL CONSUMPTION	39	12	0	* 25	*	* 2
	Indirect Uses-Boiler Fuel		*	0	0 5	0	*
	Conventional Boiler Use		*	0	0 4	0	*
	CHP and/or Cogeneration Process			0	0 1	0	0
	Direct Uses-Total Process		8	0	* 14	*	0
	Process Heating		*	0	0 13	0	0
	Process Cooling and Refrigeration		1	0	0 *	0	0
	Machine Drive		5	0	* *	0	0
	Electro-Chemical Processes		*				
	Other Process Use		1	0	* 1	*	0
	Direct Uses-Total Nonprocess		4	0	* 6	*	0
	Facility HVAC (g)		2	0	0 6	*	0
	Facility Lighting		1				
	Other Facility Support		*	0	* *	0	0
	Onsite Transportation		*		* *	*	

	Conventional Electricity Generation			0	*	0	0	0
	Other Nonprocess Use		*	0	*	0	*	0
	End Use Not Reported	2	0	0	*	0	0	0
364	Aerospace Products	100 Test 100						
	TOTAL FUEL CONSUMPTION	68	32	*	Q	29	*	0
	Indirect Uses-Boiler Fuel		*	*	*	11	*	0
	Conventional Boiler Use		*	*	*	8	*	0
	CHP and/or Cogeneration Process			0	*	4	0 *	0
	Direct Uses-Total Process		15	0	Q *	5	*	0
	Process Cooling and Refrigeration		2	0	0	4 *	*	0
	Process Cooling and Refrigeration Machine Drive		<u>2</u>	0	0 Q	*	*	0
	Electro-Chemical Processes		*					
	Other Process Use		1	0	*	1	*	0
	Direct Uses-Total Nonprocess		16	0	Q	12	*	0
	Facility HVAC (g)		8	0	*	10	*	0
	Facility Lighting		6					
	Other Facility Support		2	0	*	1	*	0
	Onsite Transportation		*		Q	*	*	
	Conventional Electricity Generation			0	*	Q	*	0
	Other Nonprocess Use		*	0	*	*	*	0
	End Use Not Reported	6	1	0	*	*	*	0
6411	Aircraft							
	TOTAL FUEL CONSUMPTION	23	11	*	Q	10	*	0
	Indirect Uses-Boiler Fuel		*	*	*	4	*	0
	Conventional Boiler Use		*	*	*	3	*	0
	CHP and/or Cogeneration Process			0	0	*	0	0
	Direct Uses-Total Process		4	0	Q	1	*	0
	Process Heating		1	0	*	<u>1</u> *	*	0
	Process Cooling and Refrigeration		*	0	0	*	*	0
	Machine Drive		2 *	0	Q			0
	Electro-Chemical Processes		*	 0	 0	*	0	 0
	Other Process Use Direct Uses-Total Nonprocess		7	0	0 Q	5	*	0
	Facility HVAC (g)		3	0	*	5	*	0
	Facility Lighting		3					
	Other Facility Support		1	0	0	*	*	0
	Onsite Transportation		*		Q	*	*	
	Conventional Electricity Generation			0	0	*	0	0
	Other Nonprocess Use		*	0	*	*	0	0
	End Use Not Reported	1	*	0	0	*	*	0
	FURNITURE AND RELATED PRODUCTS							
	FURNITURE AND RELATED PRODUCTS							
								*
	TOTAL FUEL CONSUMPTION	37	17 *	0	*	15	1 *	* *
	Indirect Uses-Boiler Fuel Conventional Boiler Use		*	0		Q *	*	*
	CHP and/or Cogeneration Process			0	0 *		*	0
	Direct Uses-Total Process		10	0	*	Q 6	*	*
	Process Heating		1	0	*	6	*	*
	Process Cooling and Refrigeration		*	0	0	*	*	0
	Machine Drive		8	0	0	*	*	0
	Electro-Chemical Processes		*					
	Other Process Use		*	0	0	0	*	0
	Direct Uses-Total Nonprocess		7	0	*	8	1	*
	Facility HVAC (g)		3	0	*	7	*	*
	Facility Lighting		3					
	Other Facility Support		1	0	*	*	*	0
	Onsite Transportation		*		*	*	*	
	Conventional Electricity Generation			0	*	*	*	0
	Other Nonprocess Use		*	0	*	*	*	0
	End Use Not Reported	4	*	0	0	*	*	0
	MISCELLANEOUS						~	
	MISCELLANEOUS							
	MISCELLANEOUS TOTAL FUEL CONSUMPTION	57	29	*	Q	26	1	0

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

- (a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
- (b) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).
- (c) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
- (d) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.
- (e) Hydrocarbon Gas Liquids '(HGL)' include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).
- (f) 'Other' includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power.
- (g) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.
- * Estimate less than 0.5.
- W=Withheld to avoid disclosing data for individual establishments.
- Q=Withheld because Relative Standard Error is greater than 50 percent.
- NA=Not available.
- -- Estimation is not applicable.
- S=Negative value.

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

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

Unit: Percents.

Distillate	
Fuel Oil	

Coal

					Fuel Oil			Coal	
NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	and Diesel Fuel(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	(excluding Coal Coke and Breeze)	Other(f)
		Total United St	ates						
311 - 339	ALL MANUFACTURING INDUSTRIES								
	TOTAL FUEL CONSUMPTION	0.6	1.2	2.2	5.4	0.8	2.8	1.1	1.1
	Indirect Uses-Boiler Fuel		4.2	2.9	7.3	1.0	3.7	1.3	
	Conventional Boiler Use		4.2	0.4	6.3	2.1	4.7	1.6	
	CHP and/or Cogeneration Process			6.1	10.0	1.1	5.9	1.5	
	Direct Uses-Total Process Process Heating		1.1 2.2	2.7 1.6	10.6 7.5	1.0	3.0	1.8 2.0	
	Process Cooling and Refrigeration		2.2	73.1	10.3	5.7	27.2	Z.0 X	
	Machine Drive		1.5	0.1	13.7	3.8	26.2	23.0	-
	Electro-Chemical Processes		1.4						-
	Other Process Use		4.6	42.3	25.7	3.3	17.0	0.1	
	Direct Uses-Total Nonprocess		2.2	2.3	6.7	2.5	6.0	12.2	-
	Facility HVAC (g) Facility Lighting		2.6	4.0	16.4	2.7	17.0	20.2	
	Other Facility Support		4.0	40.2	44.8	3.0	14.7	0.1	
	Onsite Transportation		4.8		4.5	9.0	5.3		
	Conventional Electricity Generation			0.1	38.1	17.4	14.5	0.1	
	Other Nonprocess Use		15.3	63.0	28.4	27.9	30.0	0.1	
	End Use Not Reported	1.1	10.8	0.1	23.2	7.3	13.0	4.2	1.1
311	FOOD								
	TOTAL FUEL CONSUMPTION	2.5	2.5	16.2	11.0	3.1	12.2	0.1	5.5
	Indirect Uses-Boiler Fuel		9.2	17.6	16.0	2.5	14.6	0.1	
	Conventional Boiler Use		9.2	1.9	9.9	4.3	19.4	0.1	
	CHP and/or Cogeneration Process Direct Uses-Total Process		2.5	40.8	21.5 31.5	3.2 7.4	22.1 29.5	0.2	
	Process Heating		8.2	26.5	45.1	8.2	28.0	0.1	
	Process Cooling and Refrigeration		3.6	0.1	10.7	6.5	48.8	X	-
	Machine Drive		3.0	0.1	46.9	13.9	59.6	X	-
	Electro-Chemical Processes		14.3			-			
	Other Process Use		12.9	X 12.1	73.0	7.2	9.2	X	
	Direct Uses-Total Nonprocess Facility HVAC (g)		3.7 4.7	13.1	10.9 6.3	4.5 6.0	16.4 42.1	0.1	
	Facility Lighting		4.2						
	Other Facility Support		4.9	41.3	4.6	4.7	29.5	0.1	
	Onsite Transportation		7.9		14.6	36.1	11.9		
	Conventional Electricity Generation			X	60.7	39.9	0.1	X	
	Other Nonprocess Use End Use Not Reported	4.6	13.0 21.1	X	10.5 24.9	25.2 13.5	10.4	0.1	5.5
3112	Grain and Oilseed Milling								
	TOTAL FULL CONCUMENTION	12	1.0	27.1			21.2		
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	1.3	1.9 2.8	37.1 56.6	8.0 6.0	2.3 3.2	31.2 52.7	0.1	2.3
	Conventional Boiler Use		2.8	X	4.2	4.8	0.1	0.1	
	CHP and/or Cogeneration Process			56.6	18.9	4.6	60.0	0.2	
	Direct Uses-Total Process		2.0	44.0	30.0	3.7	47.8	0.1	
	Process Heating		6.1	44.0	56.7	4.5	44.0	0.1	
	Process Cooling and Refrigeration Machine Drive		3.4	X	80.5 15.5	9.2	X 89.3	X	
	Electro-Chemical Processes		5.8	<u>^</u>	13.3	15.5	89.3	-	
	Other Process Use		33.1	X	4.5	3.8	3.2	X	
	Direct Uses-Total Nonprocess		3.0	44.7	5.6	4.8	15.7	0.1	
	Facility HVAC (g)		4.1	44.7	22.7	5.4	41.2	0.1	
	Facility Lighting		3.0						
	Other Facility Support		3.3	Х	82.3	6.3	58.7	0.1	
	Onsite Transportation		13.7		3.6	0.1	9.8		

	Nonprocess Use e Not Reported	1.4	26.0 52.3	X X	0.2 93.7	0.1 93.7	0.1 17.3	X 0.1	2
11221 Wet C	orn Milling								
TOTAL	FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	(
Indirec	t Uses-Boiler Fuel		0.0	Х	0.0	0.0	Х	0.0	
Conve	ntional Boiler Use		0.0	X	0.0	0.0	X	0.0	
	nd/or Cogeneration Process			X	X	0.0	X	0.0	
	Uses-Total Process		0.0	X	0.0	0.0	0.0	0.0	
	ss Heating		0.0	X	0.0	0.0	0.0	0.0	
	ss Cooling and Refrigeration ne Drive	 	0.0	X X	0.0	0.0	X x	X	
	o-Chemical Processes		X	<u>^</u>				-	
	Process Use		0.0	X	X	0.0	X	X	
	Uses-Total Nonprocess		0.0	Х	0.0	0.0	0.0	X	
Facilit	y HVAC (g)		0.0	Х	0.0	0.0	0.0	Х	
Facilit	y Lighting		0.0						
	Facility Support		0.0	X	X	0.0	0.0	X	
	Transportation		0.0		0.0	0.0	0.0		
	entional Electricity Generation			X	0.0	X	0.0	X	
	Nonprocess Use e Not Reported	0.0	X	X	0.0 X	X x	X 0.0	0.0	
31 Sugar									
TOTAL	FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Indirec	t Uses-Boiler Fuel		0.1	0.1	0.1	0.1	X	0.1	
Conve	ntional Boiler Use		0.1	0.1	X	0.1	X	X	
	nd/or Cogeneration Process			0.1	0.1	0.1	X	0.1	
	Uses-Total Process		0.1	0.1	0.1	0.1	X	0.1	
	ss Heating		0.1	X	X	0.1	X	0.1	
	ss Cooling and Refrigeration ne Drive	 	0.1	X 0.1	0.1	X x	x x	X	
	o-Chemical Processes		0.1						
	Process Use		X	Χ	X	0.1	X	X	
	Uses-Total Nonprocess		0.1	X	0.1	0.1	0.1	X	
Facilit	y HVAC (g)		0.1	X	X	0.1	0.1	X	
	y Lighting		0.1						
	Facility Support		0.1	X	X	0.1	X	X	
	e Transportation		0.1		0.1	X	0.1		
	entional Electricity Generation			X	X	X	X	X	
	Nonprocess Use e Not Reported	0.1	0.1 X	X X	0.1 X	X x	0.1	X X	
Fruit a	and Vegetable Preserving and Specialty Foods								
	FUEL CONSUMPTION	2.1	6.0	5.5	9.0	2.0	31.3	0.1	
	t Uses-Boiler Fuel		10.6	0.1	6.2	2.5	20.4	0.1	
	entional Boiler Use	 	10.6	0.1	3.0 57.3	3.0 3.6	3.1 63.2	X	
	nd/or Cogeneration Process Uses-Total Process		7.0	0.1 4.2	57.3 44.1	4.5	74.1	0.1 X	
	ss Heating		12.7	4.2	26.2	4.7	70.7	X	
	ss Cooling and Refrigeration		10.8	X	38.2	13.6	X	X	
	ne Drive		2.6	X	59.1	42.3	96.1	X	
Electro	o-Chemical Processes		28.9						
Other	Process Use		10.3	X	23.5	15.7	28.6	X	
Direct (Uses-Total Nonprocess		4.8	30.2	13.2	4.3	21.1	X	
	y HVAC (g)		4.6	11.1	42.4	3.3	57.2	X	
	y Lighting		5.5			 1F F	 		
	Facility Support	 	8.4	47.9	X 14.2	15.5	65.6 9.3	X	
	e Transportation entional Electricity Generation		17.3	X	14.3 10.4	54.4 45.9	9.3 X	X	
	Nonprocess Use		0.1	X	23.0	45.9 X	0.2	X	
	e Not Reported	8.1	24.7	X	15.4	9.7	16.9	X	
5 Dairy	Products								
	FUEL CONSUMPTION	2.0	2.2	0.4	26.6	2.3	20.7	0.1	
Indirec	t Uses-Boiler Fuel		8.6	0.5	22.7	2.8	33.6	X	

Conventional Boiler Use		8.6	0.2	0.9	3.2	88.6	X	
CHP and/or Cogeneration Process			57.2	38.8	4.9	35.9	Х	
Direct Uses-Total Process		2.6	0.1	64.6	4.5	11.5	0.1	
Process Heating		7.0	0.1	93.6	4.4	17.3	0.1	
Process Cooling and Refrigeration		4.0	0.1	33.2	11.6	X	X	- -
Machine Drive		3.0	0.1	95.7	34.3	0.1	X	
Electro-Chemical Processes		10.7						
Other Process Use		6.6	X	55.2	23.2	0.1	X	
Direct Uses-Total Nonprocess		3.3	0.1	21.2	6.2	17.5	0.1	-
Facility HVAC (g)		3.7	0.1	78.5	6.8	29.0	0.1	-
Facility Lighting Other Facility Support		3.3 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	X	
Other Nonprocess Use		19.6	X	30.3	17.5	0.1	X	
End Use Not Reported	10.3	12.5	X	58.6	13.3	38.0	X	23.4
3116 Animal Slaughtering and Processing								
TOTAL FUEL CONSUMPTION	2.1	2.3	14.9	7.3	2.8	17.7	26.8	20.8
Indirect Uses-Boiler Fuel Conventional Boiler Use		10.1 10.1	15.0 15.3	6.6 25.2	4.2 7.5	9.8 2.8	26.8 X	
CHP and/or Cogeneration Process			19.1	6.8	5.7	36.8	26.8	
Direct Uses-Total Process		2.0	X X	34.5	4.3	25.4	Z0.8	
Process Heating		8.2	X	49.1	4.7	24.4	x	
Process Cooling and Refrigeration		2.8	X	1.1	15.7	54.1	x	
Machine Drive		2.7	X	0.1	21.6	39.9	X	
Electro-Chemical Processes		10.0						
Other Process Use		10.9	Х	66.4	11.9	66.1	Х	
Direct Uses-Total Nonprocess		2.9	19.2	8.8	3.2	54.9	Х	
Facility HVAC (g)		3.6	X	21.3	3.9	66.6	X	
Facility Lighting		3.5						-
Other Facility Support		6.1	19.2	75.2	4.2	42.4	X	- -
Onsite Transportation		8.2		20.7	8.8	7.9		
Conventional Electricity Generation			X	39.4	76.7	X	X	
Other Nonprocess Use		20.5	X	9.0	31.1	26.5	X	
End Use Not Reported 312 BEVERAGE AND TOBACCO PRODUCTS	19.4	76.8	X	28.1	38.2	24.3	X	20.8
TOTAL FUEL CONSUMPTION	3.7	7.6	0.1	18.5	4.4	10.3	0.1	4.2
Indirect Uses-Boiler Fuel		4.9	0.1	33.5	3.0	36.4	0.1	
Conventional Boiler Use		4.9	0.1	33.6	3.1	69.1	0.1	
CHP and/or Cogeneration Process			X	61.3	6.4	23.1	0.1	
Direct Uses-Total Process		5.7	X	71.7	17.8	26.6	0.1	-
Process Heating		10.1	X	60.2	19.3	20.2	0.1	
Process Cooling and Refrigeration		10.6	X	X	54.3	X	X	
Machine Drive		3.8	X	87.6	19.1	61.1	X	
Electro-Chemical Processes		10.2						
Other Process Use		5.8	X	83.9	3.7 7.5	22.7	X	
Direct Uses-Total Nonprocess Facility HVAC (g)		15.0 9.7	X X	18.4	7.5	9.1 27.6	0.1	
Facility TVAC (g)		15.7						
Other Facility Support		22.3	X	0.1	25.4	46.1	X	
Onsite Transportation		36.5		20.8	54.6	9.5		
Conventional Electricity Generation			X	77.2	0.1	X	X	
Other Nonprocess Use		12.0	X	52.8	1.8	16.9	Х	
End Use Not Reported	4.6	9.6	X	0.1	7.6	8.7	X	4.2
3121 Beverages								
TOTAL FUEL CONSUMPTION	4.1	8.4	X	19.8	5.0	11.1	0.1	4.2
Indirect Uses-Boiler Fuel		5.1	X	40.9	3.4	41.3	0.1	
Conventional Boiler Use		5.1	X	50.2	3.6	69.2	0.1	
CHP and/or Cogeneration Process			X	62.0	6.7	30.4	0.1	
Direct Uses-Total Process		6.2	X	74.3	20.6	29.7	X	
Process Cooling and Refrigeration		11.2	X X	75.8 v	22.3 81.0	20.4 X	X	
Process Cooling and Refrigeration Machine Drive		10.8	x x	X 87.7	19.8	68.5	X	
Electro-Chemical Processes		10.4	X	87.7	19.8		X	
Other Process Use		6.0	X	83.9	4.2	33.0	X	
Direct Uses-Total Nonprocess		17.9	X	18.6	8.6	9.6	X	
		17.5	^	10.0	5.0	5.0	^	

	Facility HVAC (g)		12.6	X	24.5	8.2	28.5	X	- -
	Facility Lighting Other Facility Support		18.0 25.9	 X	X	26.8	46.1	 X	
	Onsite Transportation		37.7		20.9	57.8	10.1		
	Conventional Electricity Generation			χ	81.6	0.1	X	X	
	Other Nonprocess Use		12.5	X	54.7	18.6	21.5	Х	
	End Use Not Reported	4.6	9.6	X	0.1	7.6	8.7	X	4.2
3122	Tobacco								
	TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Indirect Uses-Boiler Fuel		0.1	0.1	0.1	0.1	0.1	0.1	
	Conventional Boiler Use		0.1	0.1	0.1	0.1	0.1	0.1	
	CHP and/or Cogeneration Process			X	0.1	0.1	0.1	0.1	
	Direct Uses-Total Process		0.1	X	0.1	0.1	0.1	0.1	
	Process Heating Process Cooling and Refrigeration		0.1	X X	0.1 X	0.1	0.1 X	0.1 X	
	Machine Drive		0.1	X	0.1	0.1	0.1	X	
	Electro-Chemical Processes		0.1						
	Other Process Use		0.1	Х	Х	0.1	0.1	Х	
	Direct Uses-Total Nonprocess		0.1	Х	0.1	0.1	0.1	0.1	
	Facility HVAC (g)		0.1	X	0.1	0.1	0.1	0.1	
	Facility Lighting		0.1						
	Other Facility Support		0.1	X	0.1	0.1	X	X	
	Onsite Transportation		0.1	X	0.1	0.1 X	0.1 X		- -
	Conventional Electricity Generation Other Nonprocess Use		0.1	x x	0.1	0.1	0.1	X X	
	End Use Not Reported	0.1	X	X	X	X	X	X	0.1
13	TEXTILE MILLS								
	TOTAL FUEL CONSUMPTION	16.2	13.7	48.0	55.7	17.1	10.9	43.2	40.1
	Indirect Uses-Boiler Fuel		35.7	67.6	85.2	17.6	3.7	43.2	
	Conventional Boiler Use		35.7	X	68.7	31.3	3.0	76.3	
	CHP and/or Cogeneration Process Direct Uses-Total Process		16.3	67.6 0.1	90.9 91.1	22.1 27.5	66.0 15.9	48.0 X	
	Process Heating		17.5	0.1	0.1	16.3	16.4	X	
	Process Cooling and Refrigeration		14.8	X	X	76.7	0.1	X	
	Machine Drive		19.5	Х	Х	76.9	59.4	Х	
	Electro-Chemical Processes		48.1						
	Other Process Use		17.3	X	96.2	30.2	28.1	X	
	Direct Uses-Total Nonprocess		12.1	0.5	27.9	13.4	26.7	X	
	Facility HVAC (g) Facility Lighting		15.0 11.6	0.5	60.6	13.0	69.7	X	
	Other Facility Support		15.5	X	0.1	60.9	0.1	X	
	Onsite Transportation		24.4		32.3	X	22.2		
	Conventional Electricity Generation			X	17.0	X	X	X	
	Other Nonprocess Use		52.7	Х	60.3	X	64.8	Х	
	End Use Not Reported	37.6	61.1	X	X	0.3	8.1	X	40.1
314	TEXTILE PRODUCT MILLS								
	TOTAL FUEL CONSUMPTION	11.8	9.0	0.1	18.8	16.6	50.0	9.6	44.2
	Indirect Uses-Boiler Fuel		28.6	0.1	18.4	21.3	17.9	9.6	
	Conventional Boiler Use		28.6	X	28.9	31.5	42.5	31.1	
	CHP and/or Cogeneration Process			0.1	0.1	18.1	0.1	7.0	
	Direct Uses-Total Process		10.3	X	37.6	14.9	40.3	X	
	Process Heating		13.0	X	0.1	15.2	46.6	X	
	Process Cooling and Refrigeration		18.3	X	X 70.6	X	X	X	
	Machine Drive Electro-Chemical Processes		11.4 3.6	X	79.6 	81.0	99.4	X	-
	Other Process Use		36.0	X	0.1	40.0	62.8	X	
	Direct Uses-Total Nonprocess		13.6	X	28.6	42.7	28.8	X	
	Facility HVAC (g)		17.1	X	0.1	43.2	71.3	X	
	Facility Lighting		13.5						
	Other Facility Support		27.6	X	0.1	36.6	0.1	X	
	Onsite Transportation		15.2		38.7	X	32.6		
	Conventional Electricity Generation			X	45.2	X	X	X	
	Other Nonprocess Use		82.7	X	0.1	X	84.7	X	44.2
	End Use Not Reported	43.9	97.8	X	94.3	0.1	89.9	X	

	TOTAL FUEL CONSUMPTION	9.1	9.3	X	68.9	12.8	56.8	X	0.2
	Indirect Uses-Boiler Fuel		27.9	Х	50.6	16.6	76.0	Х	
	Conventional Boiler Use		27.9	X	50.6	14.1	Х	X	
	CHP and/or Cogeneration Process			X	X	29.5	76.0	X	
	Direct Uses-Total Process		10.8	X	67.6	18.0	60.7	X	
	Process Heating		24.2	X	X	39.7	76.0	X	
	Process Cooling and Refrigeration		29.2	X	X	X	X	X	
	Machine Drive		11.7	X	X	13.9	X	X	
				^					
	Electro-Chemical Processes		76.1						
	Other Process Use		X	X	67.6	0.1	96.8	X	
	Direct Uses-Total Nonprocess		11.9	X	70.4	27.0	81.3	X	
	Facility HVAC (g)		14.0	X	70.9	27.0	96.5	X	
	Facility Lighting		15.1						
	Other Facility Support		11.8	X	X	65.3	X	X	
	Onsite Transportation		31.0		1.4	X	78.4		
	Conventional Electricity Generation			X	Х	X	X	X	
	Other Nonprocess Use		Х	Х	Х	Х	X	Х	
	End Use Not Reported	26.6	68.7	X	Х	13.7	0.1	X	0.2
316	LEATHER AND ALLIED PRODUCTS								
	TOTAL FUEL CONSUMPTION	4.7	7.4	67.2	12.4	5.4	9.0	X	4.0
	Indirect Uses-Boiler Fuel		46.8	78.4	0.1	9.9	X	X	
	Conventional Boiler Use		46.8	78.4 X	X	32.3	X	X	
	CHP and/or Cogeneration Process			78.4	0.1	9.8	X	X	
	Direct Uses-Total Process		7.9	89.5	47.8	7.4	2.3	X	
	Process Heating		23.7	X	47.8	8.1	0.1	X	
	Process Cooling and Refrigeration		21.4	X	X	X	X	X	
	Machine Drive		7.4	X	X	12.1	X	X	
	Electro-Chemical Processes		0.1						
	Other Process Use		42.8	89.5	X	0.1	57.9	X	
	Direct Uses-Total Nonprocess		7.3	Х	15.2	12.5	15.1	Х	
	Facility HVAC (g)		9.8	X	15.9	11.9	23.7	X	
	Facility Lighting		8.9						
	Other Facility Support		19.0	X	X	47.6	0.1	X	
	Onsite Transportation		15.4		53.6	X	8.5		
	Conventional Electricity Generation			X	X	X	X	X	
	Other Nonprocess Use		25.9	X	0.1	X	X	X	
			51.0	^X	X	10.8	55.2	X	
	End Use Not Reported	11.1	31.0	^	^	10.8	33.2	^	4.0
321	WOOD PRODUCTS								
321	WOOD FRODUCTS								
	TOTAL FUEL CONSUMPTION	9.5	11.9	0.1	9.7	3.9	8.9	0.1	11.0
	Indirect Uses-Boiler Fuel		9.9	X	10.6	7.7	33.6	0.1	
	Conventional Boiler Use		9.9	X	9.2	4.8	1.1	0.1	
	CHP and/or Cogeneration Process			X	35.7	11.1	49.7	0.1	
	Direct Uses-Total Process		11.7	0.1	30.8	4.8	14.6	0.1	
	Process Heating		3.9	0.1	19.7	5.4	13.2	0.1	
	Process Cooling and Refrigeration		9.2	X	69.0	0.1	X	X	
	Machine Drive		12.9	0.1	15.4	17.9	33.6	X	
	Electro-Chemical Processes		13.3						
	Other Process Use		16.1	0.1	71.5	0.1	45.5	X	
	Direct Uses-Total Nonprocess		15.2	X	8.0	10.3	11.5	X	
	Facility HVAC (g)		29.6	Х	17.5	10.7	37.1	X	
	Facility Lighting		4.2						
	Other Facility Support		7.9	Х	15.2	19.8	68.4	Х	
	Onsite Transportation		13.3		8.3	21.9	10.2		
	Conventional Electricity Generation			X	11.5	85.5	0.2	X	
	Other Nonprocess Use		11.7	X	38.9	0.1	36.9	X	
	End Use Not Reported	10.9	13.2	Χ	63.5	59.6	35.2	X	11.0
32111	3 Sawmills								
	TOTAL FUEL CONSUMPTION	1.3	3.6	0.1	12.1	3.0	11.0	0.1	1.3
	Indirect Uses-Boiler Fuel		17.3	X	1.0	6.1	21.7	X	
	Conventional Boiler Use		17.3	^X		2.7	X X	X	-
					0.1				
	CHP and/or Cogeneration Process			X	1.5	17.2	21.7	X	
	Direct Uses-Total Process		3.9	0.1	8.9	3.5	20.9	0.1	
	Process Heating		4.0	0.1	10.1	3.6	25.9	0.1	

Indirect Uses-Boiler Fuel	Process Cooling and Refrigeration		2.7	Х	Х	Х	X	x	
Color Process Use	Machine Drive		4.2	0.1	11.2	8.3	17.0	Х	
Profest United State Profession	Electro-Chemical Processes		6.2						
Control Profession									-
Settle upmage									
Other learning support									
Concess Tousperstation									
Cames									
Chee									
Total Public Neground Inferience Woods									
TOTAL PURE CONSIDERATION 22									
TOTAL FURL COMSAMPTION 22 48 X 85 41 51 61 61 61 61 61 61 61 61 61 61 61 61 61									
Methect Uses-holler hale	3212 Veneer, Plywood, and Engineered Woods								
Methect Uses-holler hale	TOTAL FLIFT CONSUMPTION	2 2	4.8		8 5	 Д 1	 5 1	0.1	1 7
Conventional Ballet fue — 0.4									
CHP and/per Cagementation Process									
Direct User-Float Process Postage - 5.1									
Process Cooling and Refrigeration			5.1	X	6.2		15.3	X	
Machine Drive -	Process Heating		1.1	Х	22.0	5.8	19.4	X	
Pietro Chemical Process Use									
Other Process Dise	Machine Drive		5.7	X	0.1	1.2	36.4	X	
Direct User-Total Morprocess	Electro-Chemical Processes		1.5						
Facility HVAC [Q]	Other Process Use		3.9		0.1	0.1	7.0	X	
Facility Lighting	Direct Uses-Total Nonprocess		4.2	X	10.3	21.2	5.2	X	
Other Facility Support 3.2 X 24.9 82.2 83.1 X ————————————————————————————————————	Facility HVAC (g)		6.6	X	16.1	22.6	27.8	X	
Onster Transportation	Facility Lighting		4.2						
Conventional Electricity Generation	Other Facility Support		3.2	X	24.9	28.2	83.1	X	-
Other Nonprocess Use	Onsite Transportation		16.6		10.0				-
End Use Not Reported 1.7 10.0 X 0.1 23.7 0.1 X 1.7 1									
TOTAL FUEL CONSUMPTION 3.5									
TOTAL FUEL CONSUMPTION 3.5 7.1 X 5.5 4.6 11.1 0.1 2.9	End Use Not Reported	1.7	10.0	X	0.1	23.7	0.1	X	1.7
Conventional Boller Use	TOTAL FUEL CONSUMPTION	3.5	7.1	X	5.5	4.6	11.1	0.1	2.9
CHP and/or Cogeneration Process	Indirect Uses-Boiler Fuel		0.1		0.1	0.1	0.1	0.1	
Process Heating	Conventional Boiler Use		0.1	Х	X	0.1	0.1	0.1	
Process Heating Process Heating Process Cooling and Refrigeration Process	CHP and/or Cogeneration Process			X	0.1	0.1	0.1	0.1	
Process Cooling and Refrigeration	Direct Uses-Total Process		7.4	X	0.1	5.5	20.0	X	-
Machine Drive									
Electro-Chemical Processes									-
Other Process Use							23.1		
Direct Uses-Total Nonprocess									
Facility HVAC (g)									
Facility Lighting									
Other Facility Support - 2.6 X 50.6 0.1 85.4 X Onsite Transportation - 16.1 - 6.5 X 11.5 - Conventional Electricity Generation - - X 0.1 X Z 2.9 3 X <td></td> <td></td> <td></td> <td></td> <td>0.1</td> <td>8.9</td> <td></td> <td></td> <td>-</td>					0.1	8.9			-
Onsite Transportation - 16.1 - 6.5 X 11.5 - - Conventional Electricity Generation - - - X 0.1 X X X X - - - - X 0.1 X Z 2.9 2.9 2.0 X X X S 1.1 X X 1.2 1.2 1.2 1.2 1.2 1.2 1.2					50.6	0.1			
Conventional Electricity Generation									
Other Nonprocess Use - 0.1 X 0.1 0.1 0.1 X - - End Use Not Reported 2.8 0.1 X X X X X 2.9 3219 Other Wood Products TOTAL FUEL CONSUMPTION 38.5 29.4 0.1 25.8 11.5 15.1 X 58.1 Indirect Uses-Boiler Fuel - 23.2 X 41.0 21.8 59.8 X Conventional Boiler Use - 23.2 X 41.0 21.8 59.8 X ChP and/or Cogeneration Process - - 23.2 X 41.0 21.8 59.8 X Direct Uses-Total Process - - 23.2 X 42.9 22.0 58.6 X Process Heating - - 30.3 0.1 53.8 21.2 25.6 X Process Heating - 14.1 X									
Second Separation Seco			0.1						
TOTAL FUEL CONSUMPTION 38.5 29.4 0.1 25.8 11.5 15.1 X 58.1 Indirect Uses-Boiler Fuel		2.8	0.1		X		X		2.9
Indirect Uses-Boiler Fuel - 23.2 X 41.0 21.8 59.8 X Conventional Boiler Use - 23.2 X 42.9 22.0 58.6 X CHP and/or Cogeneration Process - - - X 96.8 26.9 60.5 X Direct Uses-Total Process - 30.3 0.1 53.8 21.2 25.6 X Process Heating - 14.1 X 47.6 22.9 23.7 X Process Cooling and Refrigeration - 23.5 X 69.0 0.1 X X Machine Drive - 32.9 0.1 41.3 57.2 44.7 X Electro-Chemical Processes - 83.1 <	3219 Other Wood Products								
Conventional Boiler Use - 23.2 X 42.9 22.0 58.6 X - CHP and/or Cogeneration Process - - - X 96.8 26.9 60.5 X - Direct Uses-Total Process - 30.3 0.1 53.8 21.2 25.6 X - Process Heating - 14.1 X 47.6 22.9 23.7 X - Process Cooling and Refrigeration - 23.5 X 69.0 0.1 X X - Machine Drive - 32.9 0.1 41.3 57.2 44.7 X - Electro-Chemical Processes - 83.1 -	TOTAL FUEL CONSUMPTION	38.5	29.4	0.1	25.8	11.5	15.1	X	58.1
Conventional Boiler Use - 23.2 X 42.9 22.0 58.6 X - CHP and/or Cogeneration Process - - - X 96.8 26.9 60.5 X - Direct Uses-Total Process - 30.3 0.1 53.8 21.2 25.6 X - Process Heating - 14.1 X 47.6 22.9 23.7 X - Process Cooling and Refrigeration - 23.5 X 69.0 0.1 X X - Machine Drive - 32.9 0.1 41.3 57.2 44.7 X - Electro-Chemical Processes - 83.1	Indirect Uses-Boiler Fuel		23.2	X	41.0	21.8	59.8	X	
Direct Uses-Total Process - 30.3 0.1 53.8 21.2 25.6 X Process Heating - 14.1 X 47.6 22.9 23.7 X Process Cooling and Refrigeration - 23.5 X 69.0 0.1 X X Machine Drive - 32.9 0.1 41.3 57.2 44.7 X Electro-Chemical Processes - 83.1 </td <td>Conventional Boiler Use</td> <td></td> <td>23.2</td> <td></td> <td>42.9</td> <td>22.0</td> <td>58.6</td> <td>X</td> <td></td>	Conventional Boiler Use		23.2		42.9	22.0	58.6	X	
Process Heating 14.1 X 47.6 22.9 23.7 X Process Cooling and Refrigeration 23.5 X 69.0 0.1 X X Machine Drive 32.9 0.1 41.3 57.2 44.7 X Electro-Chemical Processes 83.1	CHP and/or Cogeneration Process			X	96.8	26.9	60.5	X	
Process Cooling and Refrigeration 23.5 X 69.0 0.1 X X X Machine Drive 32.9 0.1 41.3 57.2 44.7 X Electro-Chemical Processes 83.1	Direct Uses-Total Process		30.3	0.1	53.8	21.2	25.6	X	
Machine Drive - 32.9 0.1 41.3 57.2 44.7 X Electro-Chemical Processes - 83.1 -									_
Electro-Chemical Processes - 83.1 - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Other Process Use 24.8 X 81.8 94.2 64.6 X Direct Uses-Total Nonprocess 29.0 X 30.5 13.0 19.8 X Facility HVAC (g) 45.8 X 72.4 13.3 44.7 X Facility Lighting 9.4					41.3	57.2	44.7		
Direct Uses-Total Nonprocess - 29.0 X 30.5 13.0 19.8 X Facility HVAC (g) - 45.8 X 72.4 13.3 44.7 X Facility Lighting - 9.4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></td<>									-
Facility HVAC (g) 45.8 X 72.4 13.3 44.7 X Facility Lighting 9.4									-
Facility Lighting 9.4									
						13.3			
Other radnity support 17.1 X X 32.7 bb.5 X									
	Other Facility Support		1/.1	^	х	32./	0.00	Х	

	Onsite Transportation		19.2		32.6	22.5	19.8		
	Conventional Electricity Generation			X	59.8	96.6	45.3	X	
	Other Nonprocess Use End Use Not Reported	57.2	33.8 47.0	X X	79.1 99.0	74.3	70.0 46.2	X X	58.1
2	PAPER								
	TOTAL FUEL CONSUMPTION	0.3	1.7	0.1	0.8	1.1	9.0	0.1	0.1
	Indirect Uses-Boiler Fuel		4.9	0.1	0.9	1.1	34.7	0.1	
	Conventional Boiler Use	 	4.9	0.1	8.1 0.1	4.5 1.1	X 34.7	0.1	
	CHP and/or Cogeneration Process Direct Uses-Total Process		1.6	0.1	5.5	2.2	14.2	0.1	
	Process Heating		10.0	0.1	12.5	2.6	15.9	0.1	
	Process Cooling and Refrigeration		8.0	Х	Х	0.1	Х	Х	
	Machine Drive		1.7	0.1	3.7	1.0	0.1	0.1	
	Electro-Chemical Processes		0.4						
	Other Process Use	 	2.7	X	4.0	6.0	49.8 8.0	0.1	
	Direct Uses-Total Nonprocess Facility HVAC (g)		5.0 8.0	0.1	0.1	5.2 6.6	19.6	0.1	
	Facility Lighting		3.6						
	Other Facility Support		5.5	Х	39.5	6.0	19.8	Х	
	Onsite Transportation		15.7		0.1	65.7	8.3		
	Conventional Electricity Generation			0.1	12.0	1.0	92.3	0.1	
	Other Nonprocess Use		62.9	0.1	0.3	50.4	6.0	X	
	End Use Not Reported	0.1	13.8	0.1	4.7	97.4	54.1	0.1	0.3
322110	Pulp Mills								
	TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
	Indirect Uses-Boiler Fuel		0.0	0.0	0.0	0.0	0.0	0.0	
	Conventional Boiler Use		0.0	X	0.0	X	X	X	
	CHP and/or Cogeneration Process			0.0	0.0	0.0	0.0	0.0	
	Direct Uses-Total Process Process Heating		0.0	0.0	0.0	0.0	0.0	X	
	Process Cooling and Refrigeration		0.0	X	X	X	X	X	
	Machine Drive		0.0	Χ	0.0	X	X	X	
	Electro-Chemical Processes		Х						
	Other Process Use		X	X	X	X	X	X	
	Direct Uses-Total Nonprocess		0.0	X	0.0	0.0	0.0	X	
	Facility HVAC (g)		0.0	X	X	0.0	0.0	X	
	Facility Lighting Other Facility Support		0.0	X	X	0.0	0.0	X	
	Onsite Transportation		0.0		0.0	X	0.0		
	Conventional Electricity Generation			X	X	X	X	X	
	Other Nonprocess Use		X	X	X	X	X	X	
	End Use Not Reported	0.0	X	X	X	X	0.0	X	0.
322121	Paper Mills, except Newsprint								
	TOTAL FUEL CONSUMPTION	0.1	0.1	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	0.1	
	Conventional Boiler Use		0.1	0.1	0.1	0.1	X	0.1	
	CHP and/or Cogeneration Process			0.1	0.1	0.1	0.1	0.1	
	Direct Uses-Total Process Process Heating	 	0.1	0.1	0.1	0.1 0.1	0.0	0.1	
	Process Gooling and Refrigeration		0.1	V.1	V.1	0.1	X X	X	
	Machine Drive		0.1	0.1	0.1	0.1	0.1	0.1	
	Electro-Chemical Processes		0.1						
	Other Process Use		0.1	X	0.1	0.1	X	0.1	
	Direct Uses-Total Nonprocess		0.1	0.1	0.1	0.1	0.1	0.1	
	Facility HVAC (g)		0.1	0.1	0.1	0.1	0.1	0.1	
	Facility Lighting Other Facility Support	 	0.1	x	0.1	0.1	0.1	X	
	Onsite Transportation		0.1		0.1	0.1	0.1		
	Conventional Electricity Generation			0.1	0.1	0.1	X	0.1	
	Other Nonprocess Use		X	0.1	0.1	0.1	0.1	X	
	End Use Not Reported	0.1	X	X	0.1	X	0.1	0.1	0

TOTAL FUEL CONSUMPTION	0.0	0.0	x	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel		0.0	X	0.0	0.0	X	0.0	
Conventional Boiler Use		0.0	Х	Х	0.0	X	X	
CHP and/or Cogeneration Process			X	0.0	0.0	Х	0.0	
Direct Uses-Total Process		0.0	X	0.0	0.0	0.0	X	
Process Heating		0.0	X	X	0.0	0.0	X	
Process Cooling and Refrigeration		0.0	X	X	X	X	X	
Machine Drive		0.0	X	0.0	X	X	X	-
Electro-Chemical Processes		0.0	X			X	X	
Other Process Use Direct Uses-Total Nonprocess		0.0	^ X	0.0	0.0	0.0	X	
Facility HVAC (g)		0.0	X	X	0.0	0.0	X	
Facility Lighting		0.0						
Other Facility Support		0.0	X	X	0.0	X	X	
Onsite Transportation		0.0		0.0	X	0.0		
Conventional Electricity Generation			X	Х	X	X	X	
Other Nonprocess Use		X	X	0.0	X	X	X	
End Use Not Reported	0.0	0.0	X	X	X	X	X	0.0
322130 Paperboard Mills								
522130 Paperboard Willis								
TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel		0.0	0.0	0.0	0.0	0.0	0.0	
Conventional Boiler Use CHP and/or Cogeneration Process	 	0.0	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	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	Х	0.0	0.0	0.0	X	
Direct Uses-Total Nonprocess		0.0	0.0	0.0	0.0	0.0	0.0	
Facility HVAC (g)		0.0	0.0	0.0	0.0	0.0	X	
Facility Lighting		0.0						-
Other Facility Support		0.0	X	X	0.0	0.0	X	
Onsite Transportation		0.0		0.0	X	0.0		
Conventional Electricity Generation			0.0	0.0	0.0	X	0.0	
Other Nonprocess Use End Use Not Reported	0.0	0.0	0.0	0.0	X X	0.0	X X	0.0
323 PRINTING AND RELATED SUPPORT								
TOTAL FUEL CONSUMPTION	18.1	17.6	51.8	25.1	20.0	33.8	v	79.1
Indirect Uses-Boiler Fuel	10.1	33.9	51.8	69.0	16.4	45.3	X X	79.1
Conventional Boiler Use		33.9	51.8	50.6	16.5	60.9	X	
CHP and/or Cogeneration Process			X	72.0	32.8	65.0	X	
Direct Uses-Total Process		19.5	X	72.2	25.4	71.3	X	
Process Heating		15.0	X	X	27.2	77.9	X	
Process Cooling and Refrigeration		24.9	Х	Х	98.2	X	X	
Machine Drive		20.9	X	23.2	39.9	22.8	X	
Electro-Chemical Processes		46.6						
Other Process Use		26.6	X	84.7	69.4	66.1	X	
Direct Uses-Total Nonprocess		15.9	X	27.9	26.5	26.9	X	-
Facility HVAC (g)		21.0	X	72.0	28.3	43.5	X	
Facility Lighting		13.9						
Other Facility Support	 	14.1	X	81.4	19.8 67.7	71.3 29.6	X	
Onsite Transportation Conventional Electricity Generation	 	25.5 	x	7.1 65.2	92.5	29.6 X	X	
Other Nonprocess Use		90.8	<u>^</u>	91.3	86.6	X	X	
End Use Not Reported	40.8	59.9	X	X	49.5	77.6	X	79.1
324 PETROLEUM AND COAL PRODUCTS								
TOTAL FUEL CONSUMPTION	0.1	0.1	5.2	1.7	0.3	0.2	0.1	0.1
Indirect Uses-Boiler Fuel		0.3	0.1	2.0	0.1	0.6	0.1	
Conventional Boiler Use		0.3	0.1	4.9	0.1	0.1	X	
CHP and/or Cogeneration Process			0.1	1.3	0.2	1.7	0.1	
Direct Uses-Total Process		0.1	6.7	3.7	0.4	0.2	0.1	
Process Heating		3.6	4.1	6.8	0.5	0.1	X	
Process Cooling and Refrigeration		0.4	79.0	57.8	0.1	0.1	X	
Machine Drive		0.1	0.1	4.4	2.7	30.2	x	

	Electro-Chemical Processes		0.5						
	Other Process Use		4.0	61.5	14.6	0.3	3.5	0.1	
	Direct Uses-Total Nonprocess		0.5	0.1	1.1	2.0	6.6	0.1	
	Facility HVAC (g)		0.4	0.1	27.3	3.6	3.0	X	
	Facility Lighting		0.6						
	Other Facility Support		0.6	X	2.6	4.1	0.2	X	-
	Onsite Transportation Conventional Electricity Generation		21.9		1.1 0.5	40.2	9.3 6.7		
	Other Nonprocess Use		2.1	X X	1.1	0.1 1.8	0.1	0.1	
	End Use Not Reported	0.1	1.4	0.1	17.6	0.2	1.3	X	0.1
324110	Petroleum Refineries								
	TOTAL FUEL CONSUMPTION	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Indirect Uses-Boiler Fuel		0.1	0.1	0.1	0.1	0.1	0.1	
	Conventional Boiler Use		0.1	0.1	0.1	0.1	0.1	X	
	CHP and/or Cogeneration Process			X	0.1	0.1	0.1	0.1	
	Direct Uses-Total Process		0.1	0.1	0.1	0.2	0.1	X	
	Process Heating		1.1	0.1	0.1	0.2	0.1	X	
	Process Cooling and Refrigeration		0.4	X	X	0.1	0.1	X	-
	Machine Drive		0.1	X	0.1	0.1	0.1	X	
	Electro-Chemical Processes		0.1						
	Other Process Use		0.1	X	0.1	0.1	0.1	X	
	Direct Uses-Total Nonprocess		0.2	X	0.1	1.1	0.5	X	- -
	Facility HVAC (g)		0.1	X	0.1	2.5	0.1	X	
	Facility Lighting								
	Other Facility Support		0.3 X	X	0.1 0.1	6.0 X	0.1	X	
	Onsite Transportation Conventional Electricity Generation		<u>^</u>	X	0.1	0.1	6.7	X	
	Other Nonprocess Use		0.1	^X	0.1	0.1	X	X	
	End Use Not Reported	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1
324121	Asphalt Paving Mixture and Block								
	TOTAL FUEL CONSUMPTION	5.5	3.6	13.5	3.8	5.6	6.0	X	26.0
	Indirect Uses-Boiler Fuel		4.0	X	2.5	7.3	47.5	X	-
	Conventional Boiler Use		4.0	X	0.3	12.3	21.1	X	-
	CHP and/or Cogeneration Process			X	2.9	7.8	49.4	X	
	Direct Uses-Total Process		3.7	13.5	5.3	6.4	4.8	X	
	Process Heating		9.1	10.1	7.8	7.5	5.5	X	-
	Process Cooling and Refrigeration		6.6	79.0	57.8 8.2	0.1	X	X	
	Machine Drive Electro-Chemical Processes		3.6 4.5	0.1		9.8	11.5	X	-
	Other Process Use		1.0	61.5	14.1	5.6	13.0	X	
	Direct Uses-Total Nonprocess		5.4	0.1	3.9	8.9	26.9	X	
	Facility HVAC (g)		6.7	0.1	11.4	9.5	32.4	X	
	Facility Lighting		6.1						
	Other Facility Support		4.7	X	3.9	11.9	11.0	X	
	Onsite Transportation		19.8		4.4	59.7	49.8		
	Conventional Electricity Generation			X	1.2	0.1	X	X	
	Other Nonprocess Use		16.4	X	21.5	28.5	0.1	X	
	End Use Not Reported	22.7	36.4	X	54.8	42.2	42.4	X	26.0
24122	Asphalt Shingle and Coating Materials								
	TOTAL FUEL CONSUMPTION	1.2	0.9	0.1	19.7	1.3	19.7	0.1	0.9
	Indirect Uses-Boiler Fuel		1.5	0.1	0.2	3.0	0.1	X	
	Conventional Boiler Use		1.5	X	6.9	2.3	0.1	X	
	CHP and/or Cogeneration Process			0.1	0.1	4.0	0.1	X	
			0.7	X	45.9	1.1	65.5	0.1	
				X	26.8	1.1	6.5	X	
	Direct Uses-Total Process Process Heating		7.3			0.1	Х	X	
	Direct Uses-Total Process		2.3	Х	X	0.1			
	Direct Uses-Total Process Process Heating				X 68.7	0.1	79.6	Х	-
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration		2.3	X			79.6		-
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive		2.3 0.5	X X		0.1		X	
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes		2.3 0.5 0.1	X X 	68.7	0.1		X	
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use		2.3 0.5 0.1 0.1	X X X	68.7 53.3	0.1 1.3	54.6	X 0.1	-
	Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting		2.3 0.5 0.1 0.1 2.4	X X X X	68.7 53.3 0.1	0.1 1.3 1.3	54.6 4.0	0.1 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 (g) Facility Lighting Other Facility Support		2.3 0.5 0.1 0.1 2.4 0.7 4.4 2.9	X X X X	68.7 53.3 0.1 0.1 0.1	0.1 1.3 1.3 1.3 2.3	54.6 4.0 0.1 0.1	0.1 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 (g) Facility Lighting		2.3 0.5 0.1 0.1 2.4 0.7 4.4	X X X X X	68.7 53.3 0.1 0.1	0.1 1.3 1.3 1.3	54.6 4.0 0.1	X 0.1 X X	

	Other Nonprocess Use End Use Not Reported	1.3	X	X	5.4	76.6 X	0.1 31.1	X	0
	Lita ose Not reported	1.3					31.1		
24199	Other Petroleum and Coal Products								
	TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	
	Indirect Uses-Boiler Fuel		0.0	X	0.0	0.0	0.0	X	`
	Conventional Boiler Use		0.0	X	0.0	0.0	X	X	
	CHP and/or Cogeneration Process			X	0.0	0.0	0.0	X	
	Direct Uses-Total Process		0.0	X	0.0	0.0	0.0	0.0	
	Process Heating		0.0	X	0.0	0.0	0.0	Х	
	Process Cooling and Refrigeration		0.0	X	X	X	0.0	X	
	Machine Drive		0.0	X	0.0	X	X	X	
	Electro-Chemical Processes		X						
	Other Process Use		0.0	X	0.0	X	0.0	0.0	
	Direct Uses-Total Nonprocess		0.0	X	0.0	0.0	0.0	0.0	
	Facility HVAC (g)		0.0	X	0.0	0.0	0.0	X	
	Facility Lighting		0.0						
	Other Facility Support		0.0	X	0.0	0.0 X	0.0	X	
	Onsite Transportation Conventional Electricity Generation		0.0		0.0			X	
	Other Nonprocess Use		0.0	X	0.0	0.0	X X	0.0	
	End Use Not Reported	0.0	X	X	X	X	0.0	X	
	CHEMICALS								
	TOTAL FUEL CONSUMPTION	1.7	1.9	4.8	4.2	1.0	6.7	3.3	
	Indirect Uses-Boiler Fuel		7.0	4.8	7.7	1.5	9.0	2.4	
	Conventional Boiler Use		7.0	0.2	15.3	3.9	7.8	2.4	
	CHP and/or Cogeneration Process			24.4	8.8	1.5	12.2	2.7	
	Direct Uses-Total Process		1.8	24.1	4.4	1.1	9.9	30.8	
	Process Heating		3.6	24.1	39.4	1.3	18.1	30.9	
	Process Cooling and Refrigeration		2.9	X	30.8	9.6	67.6	Х	
	Machine Drive		2.4	X	3.6	2.1	40.9	70.3	
	Electro-Chemical Processes		1.3						
	Other Process Use		7.3	X	6.1	4.2	11.6	X	
	Direct Uses-Total Nonprocess		4.4	0.1	7.3	4.0	14.3	25.8	
	Facility HVAC (g)		4.7	0.1	68.0	4.1	36.3	25.8	
	Facility Lighting		5.8		-				
	Other Facility Support		4.4	X	2.3	6.7	19.6	X	
	Onsite Transportation		11.6	 	4.2	36.0	15.8		
	Conventional Electricity Generation		 17.4	X X	19.3 6.2	36.7 34.3	17.2 42.7	X X	
	Other Nonprocess Use End Use Not Reported	5.7	18.4	X	8.2	14.0	3.3	6.1	
5110	Petrochemicals								
	TOTAL FUEL CONSUMPTION	0.1	0.1	X	0.1	0.1	0.4	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 Other Process Use		0.1 X	X	0.1	0.1	0.1	X	
	Direct Uses-Total Nonprocess		0.2	X	0.1	0.1	76.5	X	
	Facility HVAC (g)		0.3	X	0.1	0.1	85.3	X	
	Facility Lighting		0.1						
			0.2	X	0.1	0.1	X	X	
	Other Facility Support		0.1		0.1	X	72.5		
	Other Facility Support Onsite Transportation								
	Onsite Transportation			X	0.1	X	X	X	
				x	0.1	0.1	X	x	
	Onsite Transportation Conventional Electricity Generation								
	Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		0.1	X	0.1	0.1	X	X	
	Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		0.1	X	0.1	0.1	X	X	
5120	Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		0.1	X	0.1	0.1	X	X	

	Conventional Boiler Use		0.3	Х	0.1	0.5	Х	x	
	CHP and/or Cogeneration Process			X	30.0	15.0	73.7	X	
	Direct Uses-Total Process		6.8	X	5.9	1.9	X	X	
	Process Heating		13.0	X	19.5	3.8	X	X	
	Process Cooling and Refrigeration		8.6	Χ	57.0	19.1	X	X	
	Machine Drive		7.1	Х	0.2	0.8	X	X	
	Electro-Chemical Processes		24.5						
	Other Process Use		Х	Х	Х	0.8	X	Х	
	Direct Uses-Total Nonprocess		8.9	X	55.5	0.2	56.3	Х	
	Facility HVAC (g)		2.9	Х	88.5	0.2	34.2	Х	
	Facility Lighting		8.4						
	Other Facility Support		25.7	X	19.1	36.3	37.3	X	
	Onsite Transportation		76.4		66.2	51.1	64.4		
	Conventional Electricity Generation			X	X	X	X	X	
	Other Nonprocess Use		85.4	X	13.9	X	X	X	
	End Use Not Reported	0.1	0.1	X	X	X	85.9	X	0.1
225100	Other Desir Income is Chamital								
325180	Other Basic Inorganic Chemicals								
		4.6					44.5		
	TOTAL FUEL CONSUMPTION	1.6	1.9	X	3.0	3.2	14.5	0.1	0.5
	Indirect Uses-Boiler Fuel		18.4	X	13.5	3.8	21.7	0.1	
	Conventional Boiler Use		18.4	X X	17.7 20.9	5.4 5.1	83.1 22.0	0.1	
	CHP and/or Cogeneration Process								
	Direct Uses-Total Process Process Heating		1.6 7.3	X X	19.2 39.5	3.9 7.5	19.3 19.4	0.1 0.1	
	Process Cooling and Refrigeration		2.9	<u>^</u>	0.1	14.5	19.4 X	X	
	Machine Drive		4.2	X	5.1	3.2	0.1	X	-
	Electro-Chemical Processes		1.4					<u>^</u>	
	Other Process Use		9.5	X	0.1	0.1	0.1	X	
	Direct Uses-Total Nonprocess		7.4	X	2.1	11.0	15.3	X	
	Facility HVAC (g)		9.1	X	0.8	11.0	47.1	X	
	Facility Lighting		7.2						
	Other Facility Support		6.3	X	0.1	32.4	42.8	Х	
	Onsite Transportation		32.9		2.3	X	12.8		
	Conventional Electricity Generation			X	17.5	X	X	X	
	Other Nonprocess Use		0.1	X	53.0	X	0.1	X	
	End Use Not Reported	0.9	51.0	Х	Х	52.7	35.4	X	0.5
325193	Ethyl Alcohol								
	TOTAL FUEL CONSUMPTION	3.0	3.6	X	25.8	3.8	8.6	2.6	6.8
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	3.0	3.6 10.5	X	25.8 X	3.8 5.7	8.6 X	2.6 5.9	6.8
	Indirect Uses-Boiler Fuel		10.5	X	X	5.7	X	5.9	
	Indirect Uses-Boiler Fuel Conventional Boiler Use		10.5 10.5	X	X	5.7 10.1	X	5.9 0.1	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process		10.5 10.5	X X X	X	5.7 10.1 5.9	X X X	5.9 0.1 7.1	-
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process		10.5 10.5 3.7	X X X	X X X 43.0	5.7 10.1 5.9 2.7	X X X 0.1	5.9 0.1 7.1 9.3	
	Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating		10.5 10.5 3.7 5.0	X X X X	X X X 43.0 X	5.7 10.1 5.9 2.7 3.0	X X X 0.1 X	5.9 0.1 7.1 9.3 9.3	
	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		10.5 10.5 3.7 5.0 6.0	X X X X X	X X X 43.0 X	5.7 10.1 5.9 2.7 3.0 0.1	X X X 0.1 X X	5.9 0.1 7.1 9.3 9.3	
	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		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4	X X X X X X	X X X 43.0 X X 43.0	5.7 10.1 5.9 2.7 3.0 0.1 29.1	X X X 0.1 X X 0.1 	5.9 0.1 7.1 9.3 9.3 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9	X X X X X X X	X X X 43.0 X X 43.0 	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X 0.1 X X 0.1 X 9.8	5.9 0.1 7.1 9.3 9.3 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g)		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 	5.7 10.1 5.9 2.7 3.0 0.1 29.1 13.7 5.0	X X X 0.1 X X 0.1 X 9.8 71.6	5.9 0.1 7.1 9.3 9.3 X 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2	X X X X X X X X X	X X X 43.0 X X 43.0 	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X 0.1 X X 0.1 	5.9 0.1 7.1 9.3 9.3 X 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8	X X X X X X X X X X	X X X 43.0 X X 43.0 X X 43.0 X 43.0 X 24.2 X 0.1	5.7 10.1 5.9 2.7 3.0 0.1 29.1 13.7 5.0 5.9	X X X 0.1 X X 0.1 X X 7 0.1 X 9.8 71.6	5.9 0.1 7.1 9.3 9.3 X X X 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X X 0.1 X X 0.1 1 1 0.1 0.4	5.9 0.1 7.1 9.3 9.3 X X X 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X 0.1 X X 0.1 X 7 9.8 71.6 0.1 0.4 X	5.9 0.1 7.1 9.3 9.3 X X X X X X X 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6 6.7	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess Facility HVAC (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X 0.1 X X 0.1 X 7 9.8 71.6 0.1 0.4 X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6 6.7	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6 6.7	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood Chemicals		10.5 10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6 6.7 0.1	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X X 0.1 X 9.8 71.6 0.1 0.4 X X X 0.1	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood Chemicals		10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6 6.7 0.1	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X X 0.1 X 9.8 71.6 0.1 0.4 X X X 0.1	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel		10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X X 43.0 X X 43.0 X C C C C C C C C C C C C C C C C C C	5.7 10.1 5.9 2.7 3.0 0.1 29.1 13.7 5.0 5.9 6.8 0.1 X 0.1 53.1	X X X X 0.1 X X X 0.1 X X 9.8 71.6 0.1 0.4 X X X X 0.1	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use		10.5 10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X 43.0 X X 43.0 X X 43.0 X 43.0 X 43.0 0.1 25.7 64.6 6.7 0.1 0.0 0.0 0.0	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X 0.1 X X X 0.1 X X X 0.1 X 9.8 71.6 0.1 0.4 X X X 0.1 0.4 X X X X X X X X X X X X X X X X X X X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process		10.5 10.5 10.5 10.5 10.5 10.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6 6.7 0.1 0.0 0.0 0.0 X	5.7 10.1 5.9 2.7 3.0 0.1 29.1 	X X X X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X X X X X X X X X X X X X X X X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	3.3	10.5 10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X X 43.0 X 24.2 X 0.1 25.7 64.6 6.7 0.1 0.0 0.0 0.0 0.0 0.0 0.0	5.7 10.1 5.9 2.7 3.0 0.1 29.1 13.7 5.0 5.9 6.8 0.1 X 0.1 53.1	X X X X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X X 0.1 X X X X 0.1	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	6.8
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood Chemicals TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating		10.5 10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X X 43.0 X 43.0 X 24.2 X 0.1 25.7 64.6 6.7 0.1 0.0 0.0 0.0 X 0.0 X	5.7 10.1 5.9 2.7 3.0 0.1 29.1 13.7 5.0 5.9 6.8 0.1 X 0.1 53.1	X X X X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X X 0.1 X X X X 0.1	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood 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		10.5 10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X 43.0 X 43.0 X 24.2 X 0.1 25.7 64.6 6.7 0.1 0.0 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0	5.7 10.1 5.9 2.7 3.0 0.1 29.1 13.7 5.0 5.9 6.8 0.1 X 0.1 53.1 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X X 0.1 X X X 0.1 X X X X X X X X X X X X X X X X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	6.8
325194	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cyclic Crudes, Intermediate and Gum and Wood 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		10.5 10.5 10.5 10.5 3.7 5.0 6.0 3.5 10.1 32.4 7.9 12.4 5.2 4.8 25.0 X 36.1	X X X X X X X X X X X X X X X X X X X	X X X X 43.0 X 43.0 X 43.0 X 43.0 X 24.2 X 0.1 25.7 64.6 6.7 0.1 0.0 0.0 0.0 X 0.0 X 0.0 0.0 0.0 0.0 0.0	5.7 10.1 5.9 2.7 3.0 0.1 29.1 13.7 5.0 5.9 6.8 0.1 X 0.1 53.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X 0.1 X X 0.1 X X 0.1 X 9.8 71.6 0.1 0.4 X X X 0.1 0.0 X X X X X X X X X X X X X X X X X	5.9 0.1 7.1 9.3 9.3 X X X X X X X X X X X X X X X X X X X	6.8

	Direct Uses-Total Nonprocess		0.0	x	0.0	0.0	0.0	Х	
	Facility HVAC (g)		0.0	Х	0.0	0.0	0.0	X	
	Facility Lighting		0.0						- -
	Other Facility Support		0.0	X	X	0.0	0.0	X	
	Onsite Transportation		0.0		0.0	X	0.0		
	Conventional Electricity Generation			X	0.0	X	X	X	
	Other Nonprocess Use	0.0	0.0	X X	X X	0.0 X	x x	X X	
	End Use Not Reported	0.0							0.0
325199	Other Basic Organic Chemicals								
	TOTAL FUEL CONSUMPTION	4.7	3.7	0.1	2.6	1.4	19.7	5.7	11.8
	Indirect Uses-Boiler Fuel		10.1	0.1	13.5	1.3	0.2	0.2	
	Conventional Boiler Use		10.1	0.1	16.8	2.5	0.1	15.3	-
	CHP and/or Cogeneration Process Direct Uses-Total Process		2.5	X X	0.1 1.3	2.6	74.2 24.8	0.1 X	
	Process Heating		11.2	X	0.2	3.4	26.4	X	
	Process Cooling and Refrigeration		4.4	Χ	X	34.9	74.2	X	
	Machine Drive		2.6	X	0.1	0.2	43.2	X	-
	Electro-Chemical Processes		0.4						
	Other Process Use		13.6	X	11.1	4.0	0.1	X	
	Direct Uses-Total Nonprocess		13.0	X	7.4	11.3	26.9	X	
	Facility HVAC (g)		9.6	X	63.8	3.7	83.8	X	-
	Facility Lighting		18.0						
	Other Facility Support		5.8 32.1	X	1.3 14.3	3.7 44.1	46.2 22.6	X	
	Onsite Transportation Conventional Electricity Generation		32.1	X	9.5	15.0	X	X	
	Other Nonprocess Use		46.2	X	6.1	82.0	80.9	x	
	End Use Not Reported	11.3	36.2	X	18.6	61.5	10.0	25.7	11.8
325211	Plastics Materials and Resins								
	TOTAL FUEL CONSUMPTION	1.6	3.7	17.8	5.0	0.8	4.6	32.4	2.2
	Indirect Uses-Boiler Fuel		6.3	13.0	1.0	0.4	4.8	0.1	
	Conventional Boiler Use		6.3	49.0	3.0	3.4	0.1	0.1	
	CHP and/or Cogeneration Process			0.1	0.1	0.3	9.6	X	
	Direct Uses-Total Process		3.6	50.0	1.6	2.6	1.7	58.0	
	Process Heating		9.4	50.0	X	3.1	6.7	58.0	
	Process Cooling and Refrigeration		11.9	X	43.6	0.1	89.5	X	
	Machine Drive Electro-Chemical Processes		4.1 5.1	X	1.6	0.3	65.1	X	-
	Other Process Use		11.0	X	40.1	6.9	0.4	X	
	Direct Uses-Total Nonprocess		6.5	0.1	9.5	5.3	25.0	42.3	
	Facility HVAC (g)		7.2	0.1	15.9	6.8	27.4	42.3	
	Facility Lighting		7.8						
	Other Facility Support		8.6	X	20.8	4.2	23.6	X	-
	Onsite Transportation		23.5		9.6	82.4	31.3		
	Conventional Electricity Generation			X	15.0	77.1	X	X	
	Other Nonprocess Use End Use Not Reported	2.2	2.0 0.6	X	14.3 X	72.5 0.1	1.3	X X	2.2
325212	Synthetic Rubber								
	TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
	Indirect Uses-Boiler Fuel		0.0	X	0.0	0.0	0.0	0.0	
	Conventional Boiler Use		0.0	X	0.0	0.0	X	X	
	CHP and/or Cogeneration Process			X	0.0	0.0	0.0	0.0	
	Direct Uses-Total Process		0.0	X	0.0	0.0	0.0	X	- -
	Process Heating		0.0	X	0.0	0.0	X	X	
	Process Cooling and Refrigeration		0.0	X	X	0.0	X	X	
	Machine Drive Electro-Chemical Processes		0.0	X	0.0	0.0	0.0	X	
	Other Process Use		X X	X	0.0	0.0	X	X	
	Direct Uses-Total Nonprocess		0.0	^ X	0.0	0.0	0.0	X	
	Facility HVAC (g)		0.0	X	X	0.0	0.0	X	
	Facility Lighting		0.0						
	Other Facility Support		0.0	X	X	0.0	X	X	
	Onsite Transportation		0.0		0.0	Х	0.0		
	Conventional Electricity Generation			X	0.0	X	X	X	
	Other Nonprocess Use		0.0	X	0.0	0.0	0.0	X	
	End Use Not Reported	0.0	0.0	X	0.0	X	0.0	X	0.0

	TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Indirect Uses-Boiler Fuel		0.0	0.0	0.0	0.0	0.0	0.0	
	Conventional Boiler Use		0.0	0.0	0.0	0.0	0.0	0.0	
	CHP and/or Cogeneration Process			X	0.0	0.0	X	0.0	
	Direct Uses-Total Process		0.0	0.0	0.0	0.0	0.0	0.0	
	Process Heating		0.0	0.0	0.0	0.0	0.0	0.0	
	Process Cooling and Refrigeration		0.0	X	X	0.0	X	X	
	Machine Drive		0.0	X	0.0	0.0	0.0	X	
	Electro-Chemical Processes		0.0						
	Other Process Use		0.0	X	X	0.0	0.0	X X	
	Direct Uses-Total Nonprocess	 	0.0		0.0 X			^ X	
	Facility HVAC (g) Facility Lighting		0.0	X	<u>^</u>	0.0	0.0		
	Other Facility Support		0.0	X	0.0	0.0	X	X	
	Onsite Transportation		0.0	^	0.0	0.0	0.0		
	Conventional Electricity Generation			X	0.0	X	X	X	
	Other Nonprocess Use		0.0	^ X	0.0	x	0.0	X	
	End Use Not Reported	0.0	X	X	X	0.0	0.0	X	
11	Nitrogenous Fertilizers								
	TOTAL FUEL CONSUMPTION	3.1	4.3	0.1	4.6	3.3	0.7	X	
	Indirect Uses-Boiler Fuel		1.4	0.1	X	0.4	0.0	X	
	Conventional Boiler Use		1.4	X	X	0.2	X	X	
	CHP and/or Cogeneration Process			0.1	X	0.5	0.0	X	
	Direct Uses-Total Process		5.2	X	0.1	4.6	0.1	X	-
	Process Heating		0.2	X	0.1	5.1	0.1	X	
	Process Cooling and Refrigeration		0.2	X	0.1	0.1	Х	X	-
	Machine Drive		6.3	X	0.1	0.1	X	Х	
	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 (g)		2.3	X	X	32.3	5.2	X	
	Facility Lighting		7.2						
	Other Facility Support		4.0	X	X	19.5	X	X	
	Onsite Transportation		0.1		7.7	X	14.5		
	Conventional Electricity Generation			X	0.1	X	X	X	
	Other Nonprocess Use		43.5	X	0.1	X	X	X	
	End Use Not Reported	0.1	0.1	X	X	0.1	0.1	x	
312	Phosphatic Fertilizers								
	TOTAL FUEL CONSUMPTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Indirect Uses-Boiler Fuel		0.0	0.0	0.0	0.0	0.0	0.0	
	Conventional Boiler Use		0.0	X	X	0.0	X	X	
	CHP and/or Cogeneration Process			0.0	0.0	0.0	0.0	0.0	
	Direct Uses-Total Process		0.0	X	0.0	0.0	0.0	X	
	Process Heating		0.0	X	X	0.0	0.0	X	
	Process Cooling and Refrigeration		0.0	X	X	0.0	X	X	
	Machine Drive		0.0	X	0.0	X	X	X	
	Electro-Chemical Processes		X						
	Other Process Use		X	X	0.0	0.0	0.0	X	
	Direct Uses-Total Nonprocess		0.0	X	0.0	0.0	0.0	X	
	Facility HVAC (g)		0.0	X	X	0.0	0.0	X	
	Facility Lighting		0.0		-			-	
	Other Facility Support		0.0	X	X	0.0	X	X	
	Onsite Transportation		0.0		0.0	x	0.0		
	Conventional Electricity Generation			X	X	X	X	X	
	Other Nonprocess Use End Use Not Reported	0.0	0.0	X X	0.0 X	0.0	X X	X X	
	Pharmaceuticals and Medicines								
	TOTAL FUEL CONSUMPTION	4.7	11.3	X	31.9	2.5	22.7	0.1	
	TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	4.7	11.3 4.4	X	31.9 0.2	2.5 2.4	22.7 16.1	0.1 0.1	
					31.9 0.2 0.1	2.5 2.4 4.8	22.7 16.1 0.4		

Process Federing		Direct Uses-Total Process		11.7	Х	35.4	3.3	23.1	Х	
Process Conting and Inference 1, 12 X										
Marke Day 1										
Cheb Chemical Prince prices - 21 - - - - - - - - -										
Other Processor Deliver (1999) 1999 19										
Part							4.4			
Finite (Prof. Cg)										
Particularity Particularit										
Chee Facinity Support										
Online Prospuration										
Conventional Place (Conference (Conferen										-
Profession Pro										
Part										
Pharmaceutical Proportion 14 1.5										
TOTAL PUEL COMPAINMPTION		Ena Use Not Reported	1.5	15./	X	22.0	97.5	X	X	0.2
Indirect Lase sholer feet	325412	Pharmaceutical Preparation								
Indirect Lase sholer feet		TOTAL FLIFL CONSLIMPTION	1 Δ	1 9	x	36.8	1 5	25.5	0.1	0.2
Conventional facility flowers 7,4										
CP and/or Congeneracion Process										
Direct User-Total Process										
Process Inesting 1										
Process Coming and Refrigeration										
Machine Drive										
Electro-Chemical Processible										- -
Other Process Use										
Direct Ubes-Total Nonprocess										-
Facility MAC (g)										
Facility Lighting										
Other Facility Support - 4.3 X 23.3 2.6 1.10 X - Onter Charapporation - 3.3 - 0.5 4.42 2.94 49.3 X Other Nomprocess Use - 1.11 X 0.2 1.2 0.1 X 0.2 2.2 1.0 1.0 X 0.2 2.2 1.0 1.0 X 0.2 2.2 0.2										
Onsite Transportation - 3.3 - 9.5 24.9 24.2 - - - Comentional Electricity Generation - - X 4.2 39.4 49.3 X - - 11.1 X 0.2 12.1 0.1 X - - - 11.1 X 0.2 12.1 0.1 0.1 X - - - 1.1 X 0.2 12.1 0.1 0.1 X x 0.2 2.2 2.2 3.2 3.9 X 0.0 2.2 3.9 X 0.0 2.2 3.9 X 0.0 2.2 3.9 X 0.0 1.5 0.1										
Conventional Electricity Generation										
Chien Nongroess Use - 11.1 X 0.2 12.1 0.1 X - - -										
End Use Not Reported 19 15.7 X X 97.5 X X 0.2										
TOTAL FUEL CONSUMPTION										
Indirect Uses-Doller Fuel	325992	Photographic Film, Paper, Plate, and Chemicals								
Conventional Boiler Use										
CHP and/or Cogeneration Process		TOTAL FUEL CONSUMPTION	1.6	0.7	0.1	0.0	3.2	39.7	Х	0.1
Direct Uses-Total Process Process Heating Process Heating Process Heating Process Heating Process Cooling and Refrigeration Process Cooling and Refrigeration Process Cooling and Refrigeration Process Process Cooling and Refrigeration Process										0.1
Process Heating		Indirect Uses-Boiler Fuel		0.1	0.1	0.1	0.1	0.1	X	0.1
Process Cooling and Refrigeration		Indirect Uses-Boiler Fuel Conventional Boiler Use		0.1 0.1	0.1 X	0.1 X	0.1 0.1	0.1 X	X	0.1
Machine Drive - 1.3		Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process		0.1 0.1 	0.1 X 0.1	0.1 X 0.1	0.1 0.1 0.1	0.1 X 0.1	X X X	0.1
Electro-Chemical Processes		Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process		0.1 0.1 0.9	0.1 X 0.1 X	0.1 X 0.1 0.0	0.1 0.1 0.1 13.7	0.1 X 0.1 0.1	X X X	0.1
Other Process Use		Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating		0.1 0.1 0.9 0.1	0.1 X 0.1 X	0.1 X 0.1 0.0 X	0.1 0.1 0.1 13.7 14.4	0.1 X 0.1 0.1	X X X X	
Direct Uses-Total Nonprocess 0.4 X 0.1 0.6 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		0.1 0.1 0.9 0.1 0.8	0.1 X 0.1 X X	0.1 X 0.1 0.0 X	0.1 0.1 0.1 13.7 14.4 X	0.1 X 0.1 0.1 0.1 0.1	X X X X X	
Facility HVAC (g)		Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating Process Cooling and Refrigeration Machine Drive		0.1 0.1 0.9 0.1 0.8 1.3	0.1 X 0.1 X X X	0.1 X 0.1 0.0 X X 0.0	0.1 0.1 0.1 13.7 14.4 X	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0	x x x x x x	
Facility Lighting		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		0.1 0.1 0.9 0.1 0.8 1.3 0.0	0.1 X 0.1 X X X X	0.1 X 0.1 0.0 X X 0.0	0.1 0.1 0.1 13.7 14.4 X 0.1	0.1 X 0.1 0.1 0.1 0.1 0.0	X X X X X X	
Other Facility Support - 0.4 X 0.1 0.4 0.1 X - Onsite Transportation - 1.6 - 0.1 X 0.1 - - Conventional Electricity Generation - - - X 0.1 0.0 X X - Other Nonprocess Use - 0.1 X 0.1 0.0 X X 0.1 End Use Not Reported 0.3 0.1 X X 0.1 60.4 X 0.1 TOTAL FUEL CONSUMPTION 8.4 9.9 X 70.6 12.4 16.1 62.3 58.2 Indirect Uses-Boiler Fuel - 42.1 X 67.9 18.4 46.5 64.2 Conventional Boiler Use - 42.1 X 67.9 18.4 46.5 64.2 CHP and/or Cogeneration Process - - 42.1 X 67.9 27.3 46.6 97.5		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		0.1 0.1 0.9 0.1 0.8 1.3 0.0	0.1 X 0.1 X X X X X	0.1 X 0.1 0.0 X X 0.0 X	0.1 0.1 0.1 13.7 14.4 X 0.1	0.1 X 0.1 0.1 0.1 0.1 0.0 X	x x x x x x x x x x x x x x x x x x x	
Onsite Transportation - 1.6 - 0.1 X 0.1 - - - - - - - - - - - - X 0.1 0.0 X X X - - - - - X 0.1 0.0 X X X - - - - - X 0.1 0.0 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 Electro-Chemical Processes Other Process Use Direct Uses-Total Nonprocess		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1	0.1 X 0.1 X X X X X X	0.1 X 0.1 0.0 X X 0.0 X 0.1	0.1 0.1 0.1 13.7 14.4 X 0.1 	0.1 X 0.1 0.1 0.1 0.1 0.0 X 0.1	x x x x x x x x x x	
Conventional Electricity Generation		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 (g)		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4	0.1	0.1 X 0.1 0.0 X X X 0.0 X 0.1 0.0	0.1 0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6	0.1 X 0.1 0.1 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	
Other Nonprocess Use - 0.1 X 0.1 0.0 X X 0.1 End Use Not Reported 0.3 0.1 X X 0.1 60.4 X 0.1 326 PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION 8.4 9.9 X 70.6 12.4 16.1 62.3 58.2 Indirect Uses-Boiler Fuel - 42.1 X 67.9 18.4 46.5 64.2 Conventional Boiler Use - 42.1 X 67.9 18.4 46.5 64.2 CHP and/or Cogeneration Process - - 42.1 X 67.9 18.4 46.6 97.5 Direct Uses-Total Process - - 42.1 X 67.9 18.4 46.6 97.5 Direct Uses-Total Process - - - X X X 25.8 0.1 66.4 Process Heating -		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 (g) Facility Lighting		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 X X X 0.0 X 0.1 0.0	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6	0.1 X 0.1 0.1 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	
Other Nonprocess Use - 0.1 X 0.1 0.0 X X 0.1 End Use Not Reported 0.3 0.1 X X 0.1 60.4 X 0.1 326 PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION 8.4 9.9 X 70.6 12.4 16.1 62.3 58.2 Indirect Uses-Boiler Fuel - 42.1 X 67.9 18.4 46.5 64.2 Conventional Boiler Use - 42.1 X 67.9 18.4 46.5 64.2 CHP and/or Cogeneration Process - - 42.1 X 67.9 18.4 46.6 97.5 Direct Uses-Total Process - - 42.1 X 67.9 18.4 46.6 97.5 Direct Uses-Total Process - - - X X X 25.8 0.1 66.4 Process Heating -		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 (g) Facility Lighting Other Facility Support		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 X X 0.0 0.0 0.1	0.1 0.1 13.7 14.4 X 0.1 - 0.1 0.6 0.6 - 0.4	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.0 X 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	
TOTAL FUEL CONSUMPTION 8.4 9.9 X 70.6 12.4 16.1 62.3 58.2		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 (g) Facility Lighting Other Facility Support Onsite Transportation		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X 0.0 X X 0.0 0.0	0.1 0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 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	
TOTAL FUEL CONSUMPTION 8.4 9.9 X 70.6 12.4 16.1 62.3 58.2 Indirect Uses-Boiler Fuel - 42.1 X 67.9 18.4 46.5 64.2 Conventional Boiler Use - 42.1 X 67.9 27.3 46.6 97.5 CHP and/or Cogeneration Process - 42.1 X 67.9 27.3 46.6 97.5 CHP and/or Cogeneration Process - 42.1 X 67.9 27.3 46.6 97.5 CHP and/or Cogeneration Process - - - X X 25.8 0.1 66.4 Direct Uses-Total Process - 9.2 X 77.0 21.4 39.2 X Process Heating - 16.7 X 79.4 23.2 71.5 X Process Cooling and Refrigeration - 11.9 X X X 48.2 6		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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X 0.0 X X 0.0 0.1 0.0 0.1 0.1	0.1 0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X	0.1 X 0.1 0.1 0.1 0.1 0.0 X 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 x	
Indirect Uses-Boiler Fuel - 42.1 X 67.9 18.4 46.5 64.2 Conventional Boiler Use - 42.1 X 67.9 27.3 46.6 97.5 CHP and/or Cogeneration Process - - - X X 25.8 0.1 66.4 Direct Uses-Total Process - 9.2 X 77.0 21.4 39.2 X Process Heating - 16.7 X 79.4 23.2 71.5 X Process Cooling and Refrigeration - 11.9 X X 60.6 X X X Machine Drive - 9.9 X 41.5 48.2 67.7 X Electro-Chemical Processes - 56.2		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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X 0.0 X 0.1 0.0 0.1 0.1 0.1 0.1	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0	0.1 X 0.1 0.1 0.1 0.1 0.0 X 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 x x x x	
Indirect Uses-Boiler Fuel - 42.1 X 67.9 18.4 46.5 64.2 Conventional Boiler Use - 42.1 X 67.9 27.3 46.6 97.5 CHP and/or Cogeneration Process - - - X X 25.8 0.1 66.4 Direct Uses-Total Process - 9.2 X 77.0 21.4 39.2 X Process Heating - 16.7 X 79.4 23.2 71.5 X Process Cooling and Refrigeration - 11.9 X X 60.6 X X X Machine Drive - 9.9 X 41.5 48.2 67.7 X Electro-Chemical Processes - 56.2	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X 0.0 X 0.1 0.0 0.1 0.1 0.1 0.1	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0	0.1 X 0.1 0.1 0.1 0.1 0.0 X 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 x x x x	
Conventional Boiler Use - 42.1 X 67.9 27.3 46.6 97.5 CHP and/or Cogeneration Process - - - X X 25.8 0.1 66.4 Direct Uses-Total Process - 9.2 X 77.0 21.4 39.2 X Process Heating - 16.7 X 79.4 23.2 71.5 X Process Cooling and Refrigeration - 11.9 X X 60.6 X X X Machine Drive - 9.9 X 41.5 48.2 67.7 X Electro-Chemical Processes - 56.2 <	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1	0.1	0.1 X 0.1 0.0 X X 0.0 X 0.1 0.0 X 0.1 0.0 0.1 0.1 X	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.0 0.1	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 0.1 0.1 X X X 60.4	x x x x x x x x x x x x x x x x x x x	
CHP and/or Cogeneration Process - - - X X 25.8 0.1 66.4 - Direct Uses-Total Process - 9.2 X 77.0 21.4 39.2 X - Process Heating - 16.7 X 79.4 23.2 71.5 X - Process Cooling and Refrigeration - 11.9 X X 60.6 X X X - Machine Drive - 9.9 X 41.5 48.2 67.7 X - Electro-Chemical Processes - 56.2 -	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS		0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 0.0 X X X 0.0 0.1 0.1 0.1 0.1 X 70.6	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.0 0.1	0.1 X 0.1 0.1 0.1 0.1 0.0 X 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 - 9.2 X 77.0 21.4 39.2 X - Process Heating - 16.7 X 79.4 23.2 71.5 X - Process Cooling and Refrigeration - 11.9 X X 60.6 X X X - Machine Drive - 9.9 X 41.5 48.2 67.7 X - Electro-Chemical Processes - 56.2 -	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	0.3	0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 0.0 X X X 0.0 0.1 0.1 0.1 0.1 0.1 X 70.6 67.9	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1	x x x x x x x x x x x x x x x x x x x	
Process Heating - 16.7 X 79.4 23.2 71.5 X - Process Cooling and Refrigeration - 11.9 X X 60.6 X X X - Machine Drive - 9.9 X 41.5 48.2 67.7 X - Electro-Chemical Processes - 56.2 -	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	0.3	0.1 0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 0.1 4.2.1	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 0.0 X X X 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.1 0.1 13.7 14.4 X 0.1 0.6 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1	x x x x x x x x x x x x x x x x x x x	
Process Cooling and Refrigeration - 11.9 X X 60.6 X X X Machine Drive - 9.9 X 41.5 48.2 67.7 X Electro-Chemical Processes - 56.2	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process	0.3	0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 4.2.1	0.1	0.1 X 0.1 0.0 X X X 0.0 0.0 X X X 0.0 0.1 0.1 0.1 0.1 0.1 X 70.6 67.9 67.9 X	0.1 0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3 25.8	0.1 X 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 0.1 0.1 0.1 10.1 X X X 60.4	X X X X X X X X X X X X X X X X X X X	
Machine Drive - 9.9 X 41.5 48.2 67.7 X Electro-Chemical Processes - 56.2 <td>326</td> <td>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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process</td> <td>0.3</td> <td>0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.4 0.5 0.7 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8</td> <td>0.1</td> <td>0.1 X 0.1 0.0 X X X 0.0 X 0.1 0.0 0.1 0.1 0.1 X 70.6 67.9 67.9 X 77.0</td> <td>0.1 0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3 25.8 21.4</td> <td>0.1 X 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 0.1 0.1 0.1 X X 46.6 0.1 39.2</td> <td>X X X X X X X X X X X X X X X X X X X</td> <td></td>	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process	0.3	0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.4 0.5 0.7 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	0.1	0.1 X 0.1 0.0 X X X 0.0 X 0.1 0.0 0.1 0.1 0.1 X 70.6 67.9 67.9 X 77.0	0.1 0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3 25.8 21.4	0.1 X 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 0.1 0.1 0.1 X X 46.6 0.1 39.2	X X X X X X X X X X X X X X X X X X X	
Electro-Chemical Processes - 56.2 - - - - - - Other Process Use - 53.6 X X 58.1 56.1 X - Direct Uses-Total Nonprocess - 16.4 X 79.1 16.8 18.4 97.5 -	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use CHP and/or Cogeneration Process Direct Uses-Total Process Process Heating	0.3	0.1 0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 42.1 42.1 9.2 16.7	0.1	0.1 X 0.1 0.0 X X X 0.0 X 0.1 0.0 0.1 0.1 X 70.6 67.9 67.9 X 77.0 79.4	0.1 0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3 25.8 21.4 23.2	0.1 X 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 0.1 0.1 0.1 0.1 X X X 60.4 16.1 46.5 46.6 0.1 39.2 71.5	X X X X X X X X X X X X X X X X X X X	
Other Process Use 53.6 X X 58.1 56.1 X Direct Uses-Total Nonprocess 16.4 X 79.1 16.8 18.4 97.5	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS 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		0.1 0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 0.1 0.1 1.6 1.6 1.7 1.9	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 0.0 X 0.1 0.0 0.1 0.1 X 70.6 67.9 67.9 X 77.0 79.4 X	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3 25.8 21.4 23.2 60.6	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 0.1 0.1 0.1 0.1 0.1 46.5 46.6 0.1 39.2 71.5 X	X X X X X X X X X X X X X X X X X X X	
Direct Uses-Total Nonprocess 16.4 X 79.1 16.8 18.4 97.5	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS 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	0.3	0.1 0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 42.1 9.2 16.7 11.9 9.9	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 0.0 X 0.1 0.0 0.1 0.1 X 70.6 67.9 67.9 X 77.0 79.4 X	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3 25.8 21.4 23.2 60.6	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1 0.1 0.1 0.1 0.1 0.1 46.5 46.6 0.1 39.2 71.5 X	X X X X X X X X X X X X X X X X X X X	
	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS 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	0.3	0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 42.1 42.1 9.2 16.7 11.9 9.9 56.2	0.1	0.1 X 0.1 0.0 X X 0.0 X 0.1 0.0 X 0.1 0.1 0.1 0.1 X 70.6 67.9 67.9 X 77.0 79.4 X 41.5	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.1 12.4 18.4 27.3 25.8 21.4 23.2 60.6 48.2	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1	X X X X X X X X X X X X X X X X X X X	
Facility HVAC (g) - 16.8 X 54.8 17.5 41.3 97.5	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS 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	0.3	0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 9.9 42.1 42.1 9.2 16.7 11.9 9.9 56.2 53.6	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 0.0 X X 0.1 0.0 0.1 0.1 0.1 0.1 0.1 X 70.6 67.9 67.9 X 77.0 79.4 X 41.5 X	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.0 0.1 12.4 18.4 27.3 25.8 21.4 23.2 60.6 48.2 58.1	0.1 X 0.1 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1	X X X X X X X X X X X X X X X X X X X	
	326	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 (g) Facility Lighting Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported PLASTICS AND RUBBER PRODUCTS 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	0.3	0.1 0.1 0.1 0.9 0.1 0.8 1.3 0.0 0.1 0.4 0.5 0.2 0.4 1.6 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.1 X 0.1 X X X X X X X X X X X X X	0.1 X 0.1 0.0 X X X 0.0 0.0 X X 0.1 0.0 0.1 0.1 0.1 0.1 0.1 X 70.6 67.9 67.9 X 77.0 79.4 X X 41.5 X 79.1	0.1 0.1 13.7 14.4 X 0.1 0.1 0.6 0.6 0.4 X 0.0 0.0 0.1 12.4 18.4 27.3 25.8 21.4 23.2 60.6 48.2 58.1 16.8	0.1 X 0.1 0.1 0.1 0.1 0.0 X 0.1 0.1	X X X X X X X X X X X X X X X X X X X	

	Facility Lighting		18.1						
	Other Facility Support		27.9	X	73.1	30.7	98.9	X	
	Onsite Transportation Conventional Electricity Generation		23.7	X	37.2 50.6	73.7 X	14.7 X	X	
	Other Nonprocess Use		96.7	X	97.0	97.2	99.0	X	
	End Use Not Reported	38.3	67.6	X	0.1	98.8	38.1	X	58
7	NONMETALLIC MINERAL PRODUCTS								
	TOTAL FUEL CONSUMPTION	2.2	3.6	5.6	16.9	4.1	14.9	0.9	1.
	Indirect Uses-Boiler Fuel		9.7	79.8	78.4	20.2	48.8	0.1	
	Conventional Boiler Use		9.7	Х	85.6	17.2	66.5	Х	
	CHP and/or Cogeneration Process			79.8	79.2	23.7	50.9	0.1	
	Direct Uses-Total Process		1.9	1.5	28.3	2.4	28.8	0.9	
	Process Heating		1.9	1.5	4.3	2.4	36.7	0.9	
	Process Cooling and Refrigeration Machine Drive		4.3 2.4	х х	X 34.9	4.1 14.2	0.1 47.8	X 30.3	
	Electro-Chemical Processes		32.2						
	Other Process Use		12.7	X	71.4	3.2	82.9	X	
	Direct Uses-Total Nonprocess		6.1	99.0	16.3	9.1	10.7	61.7	
	Facility HVAC (g)		8.0	99.0	26.5	9.7	27.6	61.7	
	Facility Lighting		5.4						
	Other Facility Support		7.6	X	13.9	13.1	69.0	X	
	Onsite Transportation	 	10.7		15.6	3.6 0.2	10.5		
	Conventional Electricity Generation Other Nonprocess Use		14.8	х х	18.1 48.6	0.2	65.4	X X	
	End Use Not Reported	11.2	65.5	X	27.3	55.4	44.9	0.1	1
27120	Clay Building Material and Refractories								
	TOTAL FUEL CONSUMPTION	2.9	1.8	59.3	8.0	3.3	4.7	3.2	1
	Indirect Uses-Boiler Fuel Conventional Boiler Use		22.1	Х Х	X X	4.1 2.1	X	X X	
	CHP and/or Cogeneration Process			X	X	4.7	X	X	
	Direct Uses-Total Process		1.8	59.3	3.4	3.6	0.7	3.4	
	Process Heating		3.6	59.3	34.4	3.6	1.5	3.4	
	Process Cooling and Refrigeration		13.4	X	X	X	X	X	
	Machine Drive		1.9	X	7.9	0.1	2.2	X	
	Electro-Chemical Processes Other Process Use		34.7 0.3	 X	0.5	0.9	0.1	X	
	Direct Uses-Total Nonprocess		5.4	<u>^</u>	9.7	3.3	4.2	^ X	
	Facility HVAC (g)		8.6	X	22.1	3.9	9.5	X	
	Facility Lighting		4.9						
	Other Facility Support		2.4	X	X	8.3	43.5	X	
	Onsite Transportation		3.2		5.0	11.6	4.4		
	Conventional Electricity Generation			X	51.3	0.1	0.1	X	
	Other Nonprocess Use		86.0	X	40.8	0.1	X	X 0.1	1
27211	End Use Not Reported Flat Glass	0.4	0.1	X	0.1	0.1	33.0	0.1	1
	TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	X	0
	Indirect Uses-Boiler Fuel		0.0	X	X	0.0	X	X	
	Conventional Boiler Use CHP and/or Cogeneration Process		0.0	X	X X	0.0 X	X	X X	
	Direct Uses-Total Process		0.0	x X	0.0	0.0	0.0	X	
	Process Heating		0.0	X	X	0.0	0.0	X	
	Process Cooling and Refrigeration		0.0	Х	Х	0.0	X	X	
	Machine Drive		0.0	X	0.0	0.0	X	X	
	Electro-Chemical Processes		0.0						
	Other Process Use		0.0	X	0.0	0.0	0.0	X	
	Direct Uses-Total Nonprocess Facility HVAC (g)		0.0	Х Х	0.0	0.0	0.0	X X	
	Facility HVAC (g) Facility Lighting		0.0	X	0.0			X	
	Other Facility Support		0.0	X	X	0.0	0.0	X	
	Onsite Transportation		0.0		0.0	X	0.0		
	Conventional Electricity Generation			Х	0.0	X	X	X	
	Other Nonprocess Use		X	X	0.0	X	X	X	
		0.0	0.0	Х	0.0	0.0	0.0	Х	0

	TOTAL FUEL CONSUMPTION	0.8	1.0	Χ	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	Χ	X	
	CHP and/or Cogeneration Process			X	0.1	0.1	X	X	
	Direct Uses-Total Process		0.6	X	0.1	1.0	0.3	X	
	Process Heating		0.6	X	0.1	1.0	0.4	X	
	Process Cooling and Refrigeration		0.3	X	X	0.1	X	X	
	Machine Drive		1.4	x	0.1	0.1	0.1	X	
	Electro-Chemical Processes		0.1						
	Other Process Use		0.1	X	0.1	0.1	0.1	X	
	Direct Uses-Total Nonprocess		4.2	X	0.2	4.1	0.5	X	
	Facility HVAC (g)		4.9	X	X	4.3	0.1	X	
	Facility Lighting		4.5						
	Other Facility Support		3.9	X	X	0.9	X	X	
	Onsite Transportation		0.3		0.3	0.1	0.6		
	Conventional Electricity Generation			X	0.1	X	X	X	
	Other Nonprocess Use		X	X	0.1	X	0.1	X	
	End Use Not Reported	8.4	X	X	X	X	18.4	X	
27213	Glass Containers								
	TOTAL FUEL CONSUMPTION	0.0	0.0	x	0.0	0.0	0.0	X	
	Indirect Uses-Boiler Fuel		0.0	Χ	X	0.0	0.0	X	
	Conventional Boiler Use		0.0	X	X	0.0	X	X	
	CHP and/or Cogeneration Process			x	X	0.0	0.0	X	
	Direct Uses-Total Process		0.0	^X	0.0	0.0	0.0	x	
	Process Heating		0.0	X	0.0	0.0	0.0	X	
	Process Cooling and Refrigeration		0.0	X	X	0.0	X	X	
	Machine Drive		0.0	X	0.0	0.0	0.0	X	
	Electro-Chemical Processes		X						
	Other Process Use		0.0	X	0.0	X	X	X	
	Direct Uses-Total Nonprocess		0.0	X	0.0	0.0	0.0	X	
	Facility HVAC (g)		0.0	X	0.0	0.0	0.0	X	
	Facility Lighting		0.0						
	Other Facility Support	-	0.0	X	X	0.0	0.0	X	
	Onsite Transportation		0.0		0.0	X	0.0		
	Conventional Electricity Generation			Х	0.0	Х	X	Х	
	Other Nonprocess Use		Х	Х	0.0	Х	X	Х	
	End Use Not Reported	0.0	X	X	X	X	0.0	X	
7215	Glass Products from Purchased Glass								
	TOTAL FUEL CONSUMPTION	6.7	1.8	79.8	3.2	13.7	11.7	81.2	
	Indirect Uses-Boiler Fuel		1.1	79.8	2.1	4.6	60.1	X X	
	Conventional Boiler Use						0.1		
			1.1	X	X	13.7		X	
	CHP and/or Cogeneration Process			79.8	2.1	2.0	68.5	X	
	Direct Uses-Total Process		2.0	X	32.7	9.5	1.3	X	
	Process Heating		3.4	X	X	10.0	1.3	X	
	Process Cooling and Refrigeration		1.4	X	X	56.8	X	X	
	Machine Drive		1.5	X	33.6	2.2	4.9	X	
	Electro-Chemical Processes		7.0						
	Other Process Use		8.2	X	0.1	0.1	16.2	X	
	Direct Uses-Total Nonprocess		2.2	X	1.4	39.5	16.7	81.2	
	Facility HVAC (g)		2.4	X	X	38.2	29.9	81.2	
			2.0						
	Facility Lighting					66.7	45.7	Х	
	Facility Lighting Other Facility Support		4.2	X	X				
			4.2 1.5	X	2.6	0.1	9.5		
	Other Facility Support						9.5 0.1		
	Other Facility Support Onsite Transportation		1.5		2.6	0.1			
	Other Facility Support Onsite Transportation Conventional Electricity Generation		1.5 	 X	2.6 3.9	0.1 7.9	0.1	 X	
7310	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use		1.5 11.7	 X X	2.6 3.9 0.1	0.1 7.9 0.1	0.1 0.1	 X X	
7310	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cements	0.6	1.5 11.7 0.3	X X X	2.6 3.9 0.1 1.3	0.1 7.9 0.1 1.5	0.1 0.1 2.9	X X X	
7310	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cements TOTAL FUEL CONSUMPTION	0.6	1.5 11.7 0.3		2.6 3.9 0.1 1.3	0.1 7.9 0.1 1.5	0.1 0.1 2.9	X X X X	
7310	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cements	0.6	1.5 11.7 0.3	X X X	2.6 3.9 0.1 1.3	0.1 7.9 0.1 1.5	0.1 0.1 2.9	 X X X X	
7310	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cements TOTAL FUEL CONSUMPTION	0.6	1.5 11.7 0.3		2.6 3.9 0.1 1.3	0.1 7.9 0.1 1.5	0.1 0.1 2.9	X X X X	
7310	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cements TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel	0.6	1.5 11.7 0.3 0.9 18.6	X X X X	2.6 3.9 0.1 1.3 6.4	0.1 7.9 0.1 1.5	0.1 0.1 2.9	 X X X X	
27310	Other Facility Support Onsite Transportation Conventional Electricity Generation Other Nonprocess Use End Use Not Reported Cements TOTAL FUEL CONSUMPTION Indirect Uses-Boiler Fuel Conventional Boiler Use	0.6	1.5 11.7 0.3 0.9 18.6 18.6	0.1 X X X	2.6 3.9 0.1 1.3 6.4 X	0.1 7.9 0.1 1.5	0.1 0.1 2.9 1.2 X		

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	X	0.1	X	0.1	X	
Direct Uses-Total Nonprocess		1.2	X	0.8	2.2	1.7	X	
Facility HVAC (g)		0.6	X	0.1	2.5	0.1	X	
Facility Lighting		2.9						
Other Facility Support		1.3	X	X	0.1	0.1	X	
Onsite Transportation		1.7		0.8	X	4.4		
Conventional Electricity Generation			X	0.1	X	X	X	
Other Nonprocess Use		0.5	X	0.1	X	0.1	X	
End Use Not Reported	1.1	0.1	X	0.1	0.1	0.1	X	1.1
Lilu Ose Not neporteu	1.1		-				-	
327410 Lime								
TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
Indirect Uses-Boiler Fuel		0.0	X	X	X	X	X	
Conventional Boiler Use		0.0	X	Χ	X	X	X	
CHP and/or Cogeneration Process			X	X	X	X	X	
Direct Uses-Total Process		0.0	X	0.0	0.0	0.0	0.0	
Process Heating		0.0	X	0.0	0.0	0.0	0.0	
Process Cooling and Refrigeration		0.0	X	X	X	X	X	
Machine Drive		0.0	X	0.0	X	0.0	X	
Electro-Chemical Processes		X	<u>^</u>		-			
Other Process Use		0.0	X	0.0	X	0.0	X	
Direct Uses-Total Nonprocess		0.0	<u>^</u>	0.0	0.0	0.0	X	
Facility HVAC (g)		0.0	X	X	0.0	0.0	X	
Facility Lighting		0.0						
Other Facility Support		0.0	X	X	0.0	X	X	
Onsite Transportation		0.0		0.0	X	0.0		-
Conventional Electricity Generation			X	X	X	X	X	
Other Nonprocess Use		X	X	X	X	X	X	
End Use Not Reported	0.0	0.0	X	0.0	X	0.0	X	0.0
TOTAL FUEL CONSUMPTION	0.2	1.9	X	0.1	0.1	1.4	X	0.1
Indirect Uses-Boiler Fuel		0.1	X	0.1	0.1	X	X	
Conventional Boiler Use		0.1	X	0.1	0.1	X	X	
CHP and/or Cogeneration Process			X	X	0.1	X	X	
Direct Uses-Total Process		2.1	X	0.1	0.1	X	X	
Process Heating		0.1	X	0.1	0.1	X	X	
Process Cooling and Refrigeration		0.1	X	X	X	X	X	
Machine Drive		2.4	X	0.1	0.1	X	X	
Electro-Chemical Processes		x						
Other Process Use		X	Χ	0.1	X	X	X	
Direct Uses-Total Nonprocess		1.1	X	0.1	0.1	1.4	X	
Facility HVAC (g)		1.5	X	0.1	0.1	0.1	X	
Facility Lighting		1.5						
Other Facility Support		0.1	X	0.1	0.1	0.1	X	
Onsite Transportation		0.1		0.1	X	1.4		
Conventional Electricity Generation			χ	X	0.1	X	X	
Other Nonprocess Use		X	X	X	X	X	X	
End Use Not Reported	0.1	X	X	X	X	X	X	0.1
327993 Mineral Wool								
TOTAL FUEL CONSUMPTION	1.1	0.6	x	8.0	0.8	3.8	X	19.5
	 T·T							19.5
Indirect Uses-Boiler Fuel	 	0.9	X X	0.0	0.1	X	X	
Conventional Boiler Use		0.9		X	0.1			
CHP and/or Cogeneration Process			X	0.0	0.1	X	X	
Direct Uses-Total Process		0.6	X	0.1	0.6	0.1	X	
Process Geoling and Refrigeration		0.1	X	X	0.6	0.1	X	
Process Cooling and Refrigeration	_ -	1.1	X	X	0.0	0.1	X	
Machine Drive		1.3	X	0.1	4.2	0.1	X	
Electro-Chemical Processes	_ -	0.0						
Other Process Use	_ -	0.1	X	0.1	0.1	0.1	X	
Direct Uses-Total Nonprocess		2.1	X	8.4	4.3	5.2	X	
Facility HVAC (g)		3.4	X	0.1	4.5	0.0	X	
Facility Lighting		1.3						
Other Facility Support		1.8	X	0.1	2.9	0.1	X	

	Onsite Transportation		0.1		22.1	0.1	5.2		
	Conventional Electricity Generation			X	0.1	X	X	X	
	Other Nonprocess Use		0.1	X X	0.1 X	0.1	57.4 0.1	X	
	End Use Not Reported	13.8	0.1	X	X	0.1	0.1	X	19.5
	PRIMARY METALS								
							2.5		
	TOTAL FUEL CONSUMPTION	0.5	1.2 3.2	0.1	0.8	0.6	2.5 12.6	0.1 X	0.2
	Indirect Uses-Boiler Fuel Conventional Boiler Use	 	3.2	0.1	0.1	2.7	0.1	X	
	CHP and/or Cogeneration Process			0.1	0.1	0.2	14.5	X	
	Direct Uses-Total Process		1.2	0.1	0.4	0.7	2.9	0.1	
	Process Heating		1.6	0.1	0.7	0.7	3.4	0.1	
	Process Cooling and Refrigeration		0.9	Х	13.5	0.5	0.1	X	
	Machine Drive		3.4	0.1	0.4	12.5	2.8	X	
	Electro-Chemical Processes		0.1						
	Other Process Use		1.2	X	1.9	0.1	8.1	0.1	
	Direct Uses-Total Nonprocess		1.8	0.1	1.0	0.9	3.9	X	
	Facility HVAC (g)		1.9 2.1	0.1	10.6	1.0	12.4	X	
	Facility Lighting Other Facility Support		2.4	x	11.2	0.6	2.9	X	
	Onsite Transportation		1.1		1.0	0.3	4.2	-	
	Conventional Electricity Generation			Χ	1.3	53.6	15.2	X	
	Other Nonprocess Use		2.6	Х	0.1	0.2	8.2	X	
	End Use Not Reported	0.2	0.4	0.1	0.1	0.5	12.0	X	0.2
31110	Iron and Steel Mills and Ferroalloys								
	TOTAL FUEL CONSUMPTION	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.1
	Indirect Uses-Boiler Fuel		1.8	0.1	X	1.2	0.1	X	
	Conventional Boiler Use		1.8	0.1	X	3.7	X	X	
	CHP and/or Cogeneration Process			0.1	X	0.1	0.1	X	
	Direct Uses-Total Process		0.2	Х	0.1	0.2	0.1	0.1	-
	Process Heating		0.1	Х	0.1	0.3	0.1	0.1	-
	Process Cooling and Refrigeration		0.1	X	X	0.1	0.1	X	
	Machine Drive		0.4	X	0.1	0.1	0.1	X	
	Electro-Chemical Processes		0.1						
	Other Process Use		0.1	X	0.1	0.1	0.1	0.1	
	Direct Uses-Total Nonprocess		1.4	X	0.1	0.3	0.5	X	-
	Facility HVAC (g) Facility Lighting		0.9	X	0.1	0.4	0.1	X	
	Other Facility Support		0.5	X	X	0.1	0.1	X	
	Onsite Transportation		0.1		0.1	0.1	0.5		
	Conventional Electricity Generation			Χ	0.1	X	0.1	X	
	Other Nonprocess Use		0.1	X	0.1	0.1	0.1	X	
	End Use Not Reported	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1
312	Steel Products from Purchased Steel								
	TOTAL FUEL CONSUMPTION	10.1	18.7	X	6.2	5.8	13.8	X	14.4
	Indirect Uses-Boiler Fuel		3.5	X	0.1	5.2	0.1	X	14
	Conventional Boiler Use		3.5	X	X	7.5	X	X	
	CHP and/or Cogeneration Process			X	0.1	7.5	0.1	X	
	Direct Uses-Total Process		19.5	Х	1.0	7.7	4.9	X	-
	Process Heating		1.5	Х	0.1	2.0	2.9	X	-
	Process Cooling and Refrigeration		2.2	X	97.5	31.6	X	X	
	Machine Drive		29.3	X	0.1	85.8	10.3	X	-
	Electro-Chemical Processes		36.1		-				
	Other Process Use		8.4	X	19.3	1.2	2.6	X	
	Direct Uses-Total Nonprocess		13.9	X	6.8 46.9	8.2	9.9 67.9	X	
	Facility HVAC (g) Facility Lighting	 	11.1 14.8		40.9	8.6		X	
	Other Facility Support		26.3	X	X	6.4	3.0	X	
	Onsite Transportation		9.5		6.6	0.1	8.7		
	Conventional Electricity Generation			X	66.3	0.1	97.5	X	
	Other Nonprocess Use		73.6	Х	Х	0.1	0.5	X	-
	End Use Not Reported	13.3	0.1	X	0.1	0.1	65.4	X	14.4
	Alumina and Aluminum								

TOTAL FUEL CONSUMPTION		0.3	0.1	0.1	0.1	0.4	1.3	Х	0.1
Indirect Uses-Boiler Fuel			1.1	0.1	X	1.2	2.8	X	
Conventional Boiler Use			1.1	0.1	X	12.4	0.1	Х	
CHP and/or Cogeneration Process				Х	Х	0.1	33.9	Х	
Direct Uses-Total Process			0.1	0.1	0.1	0.2	0.8	Х	
Process Heating			0.4	0.1	0.1	0.2	1.4	Х	
Process Cooling and Refrigeration			4.3	X	0.1	16.0	X	X	
Machine Drive			0.3	X	0.1	0.4	1.5	X	
Electro-Chemical Processes			0.1						
Other Process Use			0.1	X	0.1	0.1	0.1	X	
Direct Uses-Total Nonprocess			1.4	0.1	0.1	1.2	2.6	X	
Facility HVAC (g)			1.4	0.1	0.1	0.4	5.2	Х	
Facility Lighting			1.5						
Other Facility Support			1.7	Х	Х	0.2	13.6	Х	
Onsite Transportation			7.3		0.1	0.2	2.7		
Conventional Electricity Generation				X	0.1	83.1	X	X	
Other Nonprocess Use			0.1	X	0.1	X	0.1	X	
End Use Not Reported		0.2	4.6	X	0.1	0.1	1.1	Х	0.1
331314 Secondary Smelting and Alloying of Alu	ıminum								
TOTAL FUEL CONSUMPTION		0.1	0.1	x	0.1	0.1	0.1	X	0.1
Indirect Uses-Boiler Fuel			0.1	^ X	X	0.1	X	X	
Conventional Boiler Use			0.1	X	X	0.1	X	X	
CHP and/or Cogeneration Process				x x	X X	0.1	X	X	
Direct Uses-Total Process			0.1	x x	0.1	0.1	0.1	X	
Process Heating			0.1	x x	0.1	0.1	0.0	X	
			0.1	^ X	X		X	^X	
Process Cooling and Refrigeration			0.1	^ X	0.1	0.1	0.1	^ X	
Machine Drive					0.1				
Electro-Chemical Processes			0.1						
Other Process Use		-	0.1	X X	0.1	X	0.1	X X	
Direct Uses-Total Nonprocess			0.1		0.1	0.1	0.1		
Facility HVAC (g)			0.1	X	0.1	0.1	0.1	X	
Facility Lighting			0.1						
Other Facility Support			0.1	X	X	0.1	X	X	
Onsite Transportation			0.1		0.1	X	0.1		
Conventional Electricity Generation				X	0.1	0.1	X	X	
Other Nonprocess Use			0.1	X	0.1	X	0.1	X	
End Use Not Reported		0.1	0.1	X	X	0.1	0.1	X	0.1
331315 Aluminum Sheet, Plate and Foils									
TOTAL FUEL CONSUMPTION		1.0	1.1	0.1	0.1	1.0	5.4	X	0.1
Indirect Uses-Boiler Fuel			0.1	X	X	14.5	X	X	
Conventional Boiler Use			0.1	X	X	14.8	X	X	
CHP and/or Cogeneration Process				X	X	0.1	X	X	
Direct Uses-Total Process			0.7	0.1	0.1	0.4	0.1	X	
Process Heating			0.5	0.1	X	0.4	0.1	X	
Process Cooling and Refrigeration			12.5	X	0.1	0.1	X	X	
Machine Drive			0.5	X	0.1	0.1	X	X	
Electro-Chemical Processes			0.1						
Other Process Use			0.1	X	X	0.1	0.1	X	
Direct Uses-Total Nonprocess			4.0	X	0.1	0.1	6.2	X	
Facility HVAC (g)			3.6	X	X	0.1	X	X	
Facility Lighting			4.3						
Other Facility Support			4.1	X	X	0.1	0.1	X	
Onsite Transportation			22.5		0.1	0.1	6.2		
Conventional Electricity Generation				X	X	X	X	X	
Other Nonprocess Use			0.1	X	0.1	X	X	X	
End Use Not Reported		0.1	X	X	X	X	X	X	0.1
331318 Other Aluminum Rolling, Drawing and	Extruding								
TOTAL FUEL CONSUMPTION		0.9	0.8	0.0	0.3	1.2	2.4	X	5.1
Indirect Uses-Boiler Fuel			1.8	X	X	6.3	2.8	X	
Conventional Boiler Use			1.8	X	X	10.6	0.1	X	
CHP and/or Cogeneration Process				X	X	8.0	33.9	X	
Direct Uses-Total Process			0.9	X	0.1	0.8	1.2	X	
Process Heating			1.2	X	X	0.7	2.6	X	
Process Cooling and Refrigeration			1.5	X	X	16.9	X	X	
Machine Drive			1.1	X	0.1	6.3	1.6	X	

	Electro-Chemical Processes		1.9						
	Other Process Use		0.1	X	0.0	0.0	0.1	X	
	Direct Uses-Total Nonprocess		0.9	0.0	0.3	7.5	3.7	Х	
	Facility HVAC (g)		0.8	0.0	0.1	2.1	8.0	Х	
	Facility Lighting		1.2						
	Other Facility Support		2.2	X	X	5.7	33.9	X	
	Onsite Transportation		3.7		0.4	0.9	3.8		
	Conventional Electricity Generation			X	0.1	83.4	X	X	
	Other Nonprocess Use		0.1	X	0.1	X	X	X	
	End Use Not Reported	2.7	4.8	X	0.1	0.1	23.6	X	5.1
3314	Nonferrous Metals, except Aluminum								
	TOTAL FUEL CONSUMPTION	2.2	2.3	X	3.2	3.8	4.1	0.1	4.8
	Indirect Uses-Boiler Fuel		1.6	X	0.1	0.7	0.1	X	
	Conventional Boiler Use		1.6	X	0.1	1.2	0.1	X	
	CHP and/or Cogeneration Process			X	0.1	0.8	0.1	X	
	Direct Uses-Total Process		2.3	X	1.9	5.3	0.3	0.1	
	Process Heating Process Cooling and Refrigeration		1.9 2.4	X	0.1 X	5.4 X	0.2 X	X	
	Machine Drive		7.7	^ X	1.2	2.4	0.1	X	
	Electro-Chemical Processes		0.4						
	Other Process Use		2.4	X	60.0	9.5	30.0	0.1	
	Direct Uses-Total Nonprocess		2.9	Х	5.1	3.8	14.2	X	
	Facility HVAC (g)		2.3	X	13.2	4.1	23.9	X	
	Facility Lighting		4.2						
	Other Facility Support		9.1	X	7.5	5.3	89.0	X	
	Onsite Transportation		12.7		6.3	0.1	16.0		
	Conventional Electricity Generation			X	0.4	1.7	X	X	
	Other Nonprocess Use		3.1	X	0.1	5.7	24.8	X	
	End Use Not Reported	4.7	0.1	X	X	X	20.5	X	4.8
331410	Nonferrous Metal (except Aluminum) Smelting and Refining								
	TOTAL FUEL CONSUMPTION	0.7	0.7	X X	0.1	0.9	4.1	0.0	0.1
	Indirect Uses-Boiler Fuel Conventional Boiler Use		0.0	x x	0.0	0.1	x x	X	
	CHP and/or Cogeneration Process			^ X	0.0	0.1	^	X	
	Direct Uses-Total Process		0.7	X	0.1	0.8	11.8	0.0	
	Process Heating		0.5	X	0.0	0.5	0.1	X	
	Process Cooling and Refrigeration		0.8	X	Х	Х	X	Х	
	Machine Drive		0.8	Х	0.0	0.1	X	X	
	Electro-Chemical Processes		0.2						
	Other Process Use		2.7	X	0.0	11.9	50.8	0.0	
	Direct Uses-Total Nonprocess		1.5	X	0.1	8.0	0.1	X	
	Facility HVAC (g)		2.7	X	X	9.6	0.0	X	
	Facility Lighting		1.3	 	X	0.0	0.1	X	
	Other Facility Support Onsite Transportation		1.5 0.1	X	0.0	0.0	0.0		
	Conventional Electricity Generation			X	0.0	0.0	X	X	
	Other Nonprocess Use		0.0	X	0.0	X	0.1	X	
	End Use Not Reported	0.0	0.0	Х	Х	Х	0.0	Х	0.1
3315	Foundries								
	Fountiles								
	TOTAL FUEL CONSUMPTION	3.7	6.8	0.1	4.9	4.4	4.9	0.1	5.7
	Indirect Uses-Boiler Fuel		15.8	X	0.1	7.3	13.7	X	
	Conventional Boiler Use		15.8	X	0.1	3.2	0.1	X	
	CHP and/or Cogeneration Process			X	0.1	15.2	15.1	X	
	Direct Uses-Total Process		7.7	0.1	6.6	5.8	9.3	0.1	
	Process Heating		12.0	X	13.3	6.1	12.5	0.1	
	Process Cooling and Refrigeration		5.1	X	X	43.8	0.1	X	
	Machine Drive		4.0	0.1	6.5	8.9	4.5	X	
	Electro-Chemical Processes		5.4						
	Other Process Use		5.4	X	2.5	4.1	13.7 2.8	X X	
	Direct Uses-Total Nonprocess Facility HVAC (g)		4.6 5.2	0.1	5.4 17.6	1.6 1.7	2.8	X	
	Facility Lighting		5.0						
	Other Facility Support		6.1	X	36.5	5.5	3.9	X	
	Onsite Transportation		0.9		5.7	6.0	3.5		
	Conventional Electricity Generation			X	18.3	40.8	0.1	X	

TOTAL FUEL CONSUMPTION 2.1 2.5 0.1 1.9 1.4 3.7 0.1 5		Other Nonprocess Use	 5.5	4.3 8.2	х х	0.9 79.6	1.0 19.7	14.0 14.7	x	5.7
NOTIAL PLACE COMMUNICATION Internal Name Communication			3.3	0.2		75.0	15.7	14.7		
Builland State Paul - 1 X	331511	Iron Foundries								
Conventional Information		TOTAL FUEL CONSUMPTION	2.1	2.5	0.1	1.9	1.4	3.7	0.1	5.8
Cited Lises of Process -										
Decides Folial Process - 1.8		Conventional Boiler Use		9.1	X	X	3.7	0.0	X	
Process Feeding - 18					X	0.1	12.7	89.0	X	
Process Cooling and Interpretation 7,2										
Marche Drive										
Pictro Communications										
Direct User 2016 Neuropers										
Direct User Total Norprocess										
Fallity Lighting									X	
Once Facility Support		Facility HVAC (g)		4.6	0.1	18.5	2.1	3.1	X	
Onset Transportation		Facility Lighting		9.4						
Commission Electricity Griments					X				X	
Come Nonprocess Use			- -							
End Use Not Reported 57										
1523 Nonferrous Metal Die Cesting Foundries										
TOTAL FUEL CONSUMPTION		End ose Not reported	3./	U.1		79.0	79.4	32.2		
Indirect Uses-Boiler Field	31523	Nonferrous Metal Die-Casting Foundries								
Conventional folder Use		TOTAL FUEL CONSUMPTION	1.2	1.2	X	3.6	1.4	9.5	x	12
Cite and/or Cogeneration Process		Indirect Uses-Boiler Fuel		21.0	Х		13.6	X		
Pricest Jean Frances Frances		Conventional Boiler Use		21.0	Х	X	0.1	Х	Х	
Process Cooling and Refrigeration		CHP and/or Cogeneration Process			X	X	56.6	X	X	
Process Cooling and Refrigeration		Direct Uses-Total Process								
Machine Drive										
Electro-Chemical Processes										
Other Process Use										
Direct Uses-Total Nonprocess										
Facility PMAC (g)										
Facility Lighting										
Onste Transportation										
Conventional Electricity Generation		Other Facility Support		15.7	Х	0.1	13.6	34.2	Х	
Cher Nonprocess Use		Onsite Transportation		2.4		6.7	32.2	4.8		
End Use Not Reported 1.8										
TOTAL FUEL CONSUMPTION 9.8 3.9 0.1 54.9 11.7 4.4 X 4 Indirect Uses-Boiler Fuel - 5.2 X 0.1 6.5 0.1 X Conventional Boiler Use - 5.2 X 0.1 18.3 0.0 X CHP and/or Cogeneration Process - 4.7 0.1 12.5 13.4 19 X X Process Colling and Refrigeration - 4.7 0.1 12.5 13.4 19 X X X X X X X X X										
TOTAL FUEL CONSUMPTION 9.8 3.9 0.1 54.9 11.7 4.4 X 4 Indirect Uses-Boiler Fuel 5.2 X 0.1 6.5 0.1 X Conventional Boiler Use 5.2 X 0.1 3.9 0.1 X CHP and/or Cogeneration Process X 0.1 18.3 0.0 X Direct Uses-Total Process 4.7 0.1 12.5 13.4 1.9 X Process Heating 2.0 X 13.0 13.8 1.4 X Process Heating 2.0 X 13.0 13.8 1.4 X Process Cooling and Refrigeration 0.6 X X X 8.5 X X X Machine Drive 8.8 0.1 63.9 2.2 5.0 X Electro-Chemical Processe 0.1 63.9 2.2 5.0 X Electro-Chemical Processe 0.1 X 0.1 13 27.9 X Direct Uses-Total Nonprocess 1.8 X 75.5 1.4 10.8 X Facility HVAC (g) 1.4 X 0.1 1.5 1.9 X Facility HVAC (g) 1.4 X 0.1 1.5 1.9 X Facility Lighting 2.1		End Use Not Reported	1.8	1.8	X	X	X	1.3	X	12
Indirect Uses-Boiler Fuel	31524	Aluminum Foundries, except Die-Casting								
Conventional Boiler Use		TOTAL FUEL CONSUMPTION	9.8	3.9	0.1	54.9	11.7	4.4	X	4
CHP and/or Cogeneration Process		Indirect Uses-Boiler Fuel		5.2	Х	0.1	6.5	0.1	X	
Direct Uses-Total Process - 4.7 0.1 12.5 13.4 1.9 X Process Heating - 2.0 X 13.0 13.8 1.4 X Process Cooling and Refrigeration - 0.6 X X 8.5 X X Machine Drive - 8.8 0.1 63.9 2.2 5.0 X Electro-Chemical Processes - 0.1 -		Conventional Boiler Use		5.2	X	0.1	3.9	0.1	X	
Process Heating - 2.0 X 13.0 13.8 1.4 X Process Cooling and Refrigeration - 0.6 X X 8.5 X X Machine Drive - 8.8 0.1 63.9 2.2 5.0 X Electro-Chemical Processes - 0.1 -										
Process Cooling and Refrigeration - 0.6 X X 8.5 X X Machine Drive - 8.8 0.1 63.9 2.2 5.0 X Electro-Chemical Processes - 0.1 - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
Machine Drive - 8.8 0.1 63.9 2.2 5.0 X Electro-Chemical Processes - 0.1 -										
Electro-Chemical Processes										
Other Process Use 0.1 X 0.1 1.3 27.9 X Direct Uses-Total Nonprocess 1.8 X 75.5 1.4 10.8 X Facility HVAC (g) 1.4 X 0.1 1.5 1.9 X Facility Lighting 1.4 X 0.1 1.5 1.9 X Other Facility Support 2.1 Onsite Transportation 5.0 75.9 18.8 15.6 Conventional Electricity Generation X X X 0.1 X X Other Nonprocess Use 40.9 X X X 1.2 X End Use Not Reported 1.6 4.8 X X 0.1 6.4 X 2.4 TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
Direct Uses-Total Nonprocess										
Facility HVAC (g)										
Other Facility Support - 3.5 X X 2.0 0.1 X Onsite Transportation - 5.0 - 75.9 18.8 15.6 - Conventional Electricity Generation - - X X 0.1 X X Other Nonprocess Use - 40.9 X X X 1.2 X End Use Not Reported 1.6 4.8 X X 0.1 6.4 X 4 FABRICATED METAL PRODUCTS TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 X 33.2										
Onsite Transportation - 5.0 - 75.9 18.8 15.6 - Conventional Electricity Generation - - - X X 0.1 X X Other Nonprocess Use - 40.9 X X X 1.2 X End Use Not Reported 1.6 4.8 X X 0.1 6.4 X 4 FABRICATED METAL PRODUCTS TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 X 33										
Conventional Electricity Generation X X 0.1 X X Other Nonprocess Use 40.9 X X X 1.2 X End Use Not Reported 1.6 4.8 X X 0.1 6.4 X 4 FABRICATED METAL PRODUCTS TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 X 33		Other Facility Support		3.5	X	X	2.0	0.1	X	
Other Nonprocess Use 40.9 X X X 1.2 X End Use Not Reported 1.6 4.8 X X 0.1 6.4 X 4 FABRICATED METAL PRODUCTS TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 X 33										
End Use Not Reported 1.6 4.8 X X 0.1 6.4 X 4 FABRICATED METAL PRODUCTS TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 X 33										
FABRICATED METAL PRODUCTS TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 X 33										
TOTAL FUEL CONSUMPTION 9.0 8.1 X 29.7 12.0 19.6 X 33		End Use Not Reported	1.6	4.8	X	X	0.1	6.4	X	4
		FABRICATED METAL PRODUCTS								
		TOTAL FUEL CONSUMPTION	9.0	8 1	x	29 7	12.0	19 6	x	33
- J9.0 A 34.4 // A										

Color Prince Companies		Conventional Dailor Hos		540	V	V	F2.4	70.0	V	
Communication Communicatio		Conventional Boiler Use		54.8	X	X	53.4	78.0	X	
Process reclanged performances - 13.8 X 99.5 136 22.8 X - Process reclanged performances - 20.6 X 2 8.4 15.6 41.6 X - Process reclanged performances - 20.6 X 8.4 15.6 41.6 X - Process reclanged performances - 20.6 X 8.4 15.6 41.5 X - Process reclanged performances - 20.6 X 8.4 X 14.5 X 12.5 X 1.5										
Prices Control so or information 20										
Method Doe										
Petro Demonth Processes 17.7										
Cheer funces to tale						54.4	51.6			
Direct Clase Treat Processors - 0.6										
Pacilly Profice										-
Part September										- -
Other family Support										
Content Prospectation										
Conventional Clearization - -										
Color Mongracess Color Mark Color Mark										
End the Not Repaired 48.8 71.1 X X 54.1 54.6 X 33.0										
TOTAL PULL CONSUMPTION TOTAL PULL CONSUMPTION 10 2										
TOTAL FUEL CONSUMPTION 9.2 8.7 99.0 33.6 12.3 29.8 87.6 44.1		End Use Not Reported	48.8	71.1	X	X	54.1	64.6	X	33.0
Indirect Use-Solier Fiel	333	MACHINERY								
Indirect Use-Solier Fuel		TOTAL FUEL CONSUMPTION	Q 2	 8 7	99 N	33.6	12.3	70 8	87.6	
Conventional Boller Use										
CiP and/ar Cognemation Process - -										
Direct User-Teat Process - 9.5										- -
Process Dealing of Refugeration										- -
Process Cooling and Refregeration - 20.9 X 99.0 6.13 99.0 X -										
Methine Drive 101 X 647 423 544 X										
Electro Chemical Processis										- -
Other Process Use						64.7				
Direct Uses-Total Noprocess - 10.3 99.0 56.7 11.7 31.0 X - 1.8										
Facility HVAC (g)										
Facility Lighting										
Other Facility Support - 14.1 X 99.0 29.0 52.1 X - Onster Temporation - 21.4 - 37.9 73.5 18.0 - Onster Temporation -					99.0	56.1	11.9	62.2	X	
Content Fransportation - 21.4 - 37.9 71.5 18.0 - -		Facility Lighting		10.1						
Conventional Electricity Generation		Other Facility Support		14.1	X	99.0	29.0	52.1	X	- -
Chien Nonprocess Use		Onsite Transportation		21.4		37.9	73.5	18.0		
End Use Not Reported 41.7 69.9 X 99.0 73.8 50.0 X 44.1 334 COMPUTER AND ELECTRONIC PRODUCTS		Conventional Electricity Generation			X	16.4	98.8	99.0	X	
TOTAL FUEL CONSUMPTION 6.1 4.2 0.1 45.2 12.5 29.3 X 71.1		Other Nonprocess Use		56.4	99.0	75.7	67.3	26.5	X	
Indirect Uses-Daller Fuel	334		41.7	69.9	X	99.0	73.8	50.0	X	44.1
Indirect Uses-Daller Fuel		TOTAL FUEL CONSUMPTION	6.1	4 2	0.1	45.2	12 5	29 3		71 1
Conventional Boiler Use										
CHP and/or Cogeneration Process										
Direct Uses-Total Process -										
Process Heating - 14.1 X 90.4 49.9 92.8 X Process Cooling and Refrigeration - 5.3 X X 30.2 X X - Machine Drive - 6.0 X 30.5 58.3 43.8 X - Elettro-Chemical Processes - 10.1 -										
Process Cooling and Refrigeration										
Machine Drive								V		
Electro-Chemical Processes								Λ ο ο κ		- -
Other Process Use 6.2 X 38.8 13.1 92.6 X Direct Uses-Total Nonprocess 4.6 0.1 50.4 7.9 31.7 X Facility HVAC (g) 4.4 0.1 57.5 8.4 45.8 X										
Direct Uses-Total Nonprocess 4.6 0.1 50.4 7.9 31.7 X										
Facility HVAC (g)										
Facility Lighting										
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 - - 1 X 71.6 54.6 X X X Other Nonprocess Use - - 6.1 X 9.2 13.8 0.1 X End Use Not Reported 32.9 25.2 X X 32.2 81.3 X 71.1 334413 Semiconductors and Related Devices TOTAL FUEL CONSUMPTION 1.3 1.3 0.1 0.9 1.5 4.8 X 0.1 Indirect Uses-Boiler Fuel - 0.5 X 0.1 0.1 0.1 X CHP and/or Cogeneration Process - - 0.5 X 0.1 0.1 0.1 X CHP and/or Cogeneration Process <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
Onsite Transportation - 30.5 - 44.7 89.3 44.4 - - Conventional Electricity Generation - - - X 71.6 54.6 X X - Other Nonprocess Use - 6.1 X 9.2 13.8 0.1 X - End Use Not Reported 32.9 25.2 X X 32.2 81.3 X 71.1 334413 Semiconductors and Related Devices TOTAL FUEL CONSUMPTION 1.3 1.3 0.1 0.9 1.5 4.8 X 0.1 Indirect Uses-Boiler Fuel - 0.5 X 0.1 0.1 0.1 X Conventional Boiler Use - 0.5 X 0.1 0.1 0.1 X CHP and/or Cogeneration Process - - - X X 0.1 0.1 X Direct Uses-Total Process - - -										
Conventional Electricity Generation										- -
Other Nonprocess Use - 6.1 X 9.2 13.8 0.1 X End Use Not Reported 32.9 25.2 X X 32.2 81.3 X 71.1 334413 Semiconductors and Related Devices TOTAL FUEL CONSUMPTION 1.3 1.3 0.1 0.9 1.5 4.8 X 0.1 Indirect Uses-Boiler Fuel - 0.5 X 0.1 0.1 0.1 X Conventional Boiler Use - 0.5 X 0.1 0.1 0.1 X CHP and/or Cogeneration Process - - - X X 0.2 0.1 X Direct Uses-Total Process - - - X X 0.2 0.1 X Process Heating - 1.8 X X X 0.1 X X Process Cooling and Refrigeration - 0.7 X										-
Semiconductors and Related Devices										-
334413 Semiconductors and Related Devices TOTAL FUEL CONSUMPTION 1.3 1.3 0.1 0.9 1.5 4.8 X 0.1 Indirect Uses-Boiler Fuel - Conventional Boiler Use - CONVENTION ORGANICATION - CONVENTION ORGANICATION - CHP and/or Cogeneration Process - Direct Uses-Total Process - Direct Uses-Total Process - Process Heating - Process Heating - Refrigeration - Machine Drive - Machine Drive - Electro-Chemical Processes										71.4
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	334413		32.9	25.2			32.2	81.3	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		TOTAL FILE CONCUMPTION	12	4.2	0.1	0.0	1 5	A C		
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 <										0.1
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 - - - - 1.8 X X 0.1 X 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 X Machine Drive - 3.7 X 0.1 71.7 0.1 X Electro-Chemical Processes - 1.2										
Process Heating - 1.8 X X 0.1 X X X Process Cooling and Refrigeration 0.7 X X 0.1 X X X Machine Drive 3.7 X 0.1 71.7 0.1 X Electro-Chemical Processes 1.2										
Process Cooling and Refrigeration 0.7 X X 0.1 X X X Machine Drive 3.7 X 0.1 71.7 0.1 X Electro-Chemical Processes 1.2 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
Machine Drive - 3.7 X 0.1 71.7 0.1 X Electro-Chemical Processes 1.2 <td></td>										
Electro-Chemical Processes 1.2										
					X	0.1	71.7	0.1	X	
Other Process Use 1.9 X 2.4 2.0 X X		Flectro-Chemical Processes		1 2						
		Electro Chemical Frocesses								

	Direct Uses-Total Nonprocess		1.6	0.1	1.1	3.4	5.8	X	
	Facility HVAC (g)		1.5	0.1	0.1	3.8	12.8	X	
	Facility Lighting		2.8						
	Other Facility Support		0.6	X	0.1	0.5	0.1	X	
	Onsite Transportation		0.1		0.1	X	1.1		
	Conventional Electricity Generation			X	6.9	1.9	X	X	-
	Other Nonprocess Use End Use Not Reported	14.3	2.0 13.9	X X	0.1 X	3.7	0.1 X	X X	0.1
	LIN OSE NOT REPORTED	14.3				JZ.L			0.1
335	ELEC. EQUIP., APPLIANCES, COMPONENTS								
	TOTAL FUEL CONSUMPTION	7.3	8.5	Х	33.6	9.7	50.0	X	29.5
	Indirect Uses-Boiler Fuel		44.2	X	X	28.2	89.5	X	
	Conventional Boiler Use		44.2	X	X	31.2	89.5	x	
	CHP and/or Cogeneration Process			X	X	50.9	X	X	
	Direct Uses-Total Process Process Heating		9.1 12.5	X X	94.7 82.7	11.7 12.1	88.9 60.1	X X	
	Process Cooling and Refrigeration		21.0	X	X	36.8	X	X	
	Machine Drive		11.4	X	95.7	81.0	91.4	X	
	Electro-Chemical Processes		21.5						
	Other Process Use		36.9	X	X	46.0	X	X	
	Direct Uses-Total Nonprocess		10.9	X	13.9	12.7	27.8	X	
	Facility HVAC (g)		12.6	X	81.4	12.4	77.5	x	
	Facility Lighting		12.0						-
	Other Facility Support		14.6	X	73.7	24.1	76.3	X	
	Onsite Transportation		26.4	X	1.8 26.3	X	27.0 98.9		
	Conventional Electricity Generation Other Nonprocess Use		83.1	<u>^</u>	39.7	91.4	91.9	X	
	End Use Not Reported	28.6	98.9	X	45.9	X	72.9	X	29.5
336	TRANSPORTATION EQUIPMENT		0 100 100 100 100 100 100 100 100 100 1						
	TOTAL FUEL CONSUMPTION	4.7	5.1	0.1	34.0	5.5	16.3	0.1	12.2
	Indirect Uses-Boiler Fuel Conventional Boiler Use	 	19.9 19.9	0.1	8.9 9.0	7.0 7.2	68.3 68.3	0.1	
	CHP and/or Cogeneration Process			X	0.1	16.7	X	0.1	
	Direct Uses-Total Process		5.8	X	58.4	7.4	29.4	X	
	Process Heating		12.6	Х	18.2	7.8	30.1	X	
	Process Cooling and Refrigeration		7.1	Х	Х	7.7	45.2	Х	
	Machine Drive		7.1	X	59.5	66.2	43.4	X	
	Electro-Chemical Processes		30.1						
	Other Process Use Direct Uses-Total Nonprocess	 	19.3 6.0	X X	0.7 39.8	22.4 8.7	62.9 18.1	X X	
	Facility HVAC (g)		6.8	<u>^</u>	54.2	8.4	22.7	X	
	Facility Lighting		5.7						
	Other Facility Support		10.5	X	58.5	13.6	35.2	x	
	Onsite Transportation		12.9		43.5	11.6	20.7		
	Conventional Electricity Generation			X	52.0	55.7	0.1	X	
	Other Nonprocess Use End Use Not Reported	 15.3	42.0 43.2	x x	75.8 86.4	88.6 44.8	25.5 64.0	X X	12.2
336111	Automobiles								
	TOTAL FUEL CONSUMPTION	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
	Indirect Uses-Boiler Fuel		0.0	X	0.0	0.0	0.0	0.0	
	Conventional Boiler Use CHP and/or Cogeneration Process	 	0.0	X x	0.0	0.0	0.0 X	0.0 X	
	Direct Uses-Total Process		0.0	<u>^</u>	0.0	0.0	0.0	X	
	Process Heating		0.0	X	X	0.0	0.0	X	
	Process Cooling and Refrigeration		0.0	Х	Х	Х	Х	Х	
	Machine Drive		0.0	Х	0.0	X	X	X	
	Electro-Chemical Processes		0.0						
	Other Process Use		0.0	X	0.0	0.0	X	X	
	Direct Uses-Total Nonprocess		0.0	X	0.0	0.0	0.0	X	
	Facility HVAC (g) Facility Lighting	 	0.0	X 	0.0	0.0	0.0	X	
	Other Facility Support		0.0	X	0.0	0.0	0.0	X	
	Onsite Transportation		0.0		0.0	0.0	0.0		
	Conventional Electricity Generation			X	0.0	0.0	X	X	
	Other Nonprocess Use		0.0	X	0.0	X	X	X	
	End Use Not Reported	0.0	0.0	X	X	0.0	X	X	0.0

336112	Light Trucks and Utility Vehicles								
	TOTAL FUEL CONSUMPTION	0.0	0.0	x	0.0	0.0	0.0	0.0	0.0
	Indirect Uses-Boiler Fuel		0.0	X	Х	0.0	X	0.0	
	Conventional Boiler Use		0.0	Х	Х	0.0	X	0.0	
	CHP and/or Cogeneration Process			X	X	0.0	X	X	
	Direct Uses-Total Process		0.0	X	0.0	0.0	0.0	X	
	Process Heating		0.0	X	X	0.0	X	X	
	Process Cooling and Refrigeration		0.0	X	X	0.0	X	X	
	Machine Drive		0.0	X	0.0	0.0	X	X	
	Electro-Chemical Processes		0.0						
	Other Process Use		0.0	X	0.0	0.0	0.0	X	
	Direct Uses-Total Nonprocess		0.0	X	0.0	0.0	0.0	X	
	Facility HVAC (g)		0.0	X	X	0.0	0.0	X	
	Facility Lighting		0.0						
	Other Facility Support		0.0	X	0.0	0.0	X	X	
	Onsite Transportation		0.0		0.0	0.0	0.0		
	Conventional Electricity Generation			X	0.0	X	X	X	
	Other Nonprocess Use		0.0	X	0.0	X	0.0	X	
	End Use Not Reported	0.0	X	X	0.0	X	X	X	0
364	Aerospace Products								
	TOTAL FUEL CONSUMPTION	7.3	6.8	0.1	68.1	6.4	14.3	Х	19
	Indirect Uses-Boiler Fuel		14.9	0.1	0.1	6.8	0.1	Х	
	Conventional Boiler Use		14.9	0.1	0.1	1.6	0.1	Х	
	CHP and/or Cogeneration Process			X	0.1	20.8	X	X	
	Direct Uses-Total Process		6.1	X	92.8	6.3	27.1	X	
	Process Heating		6.6	X	0.1	7.6	29.0	X	
	Process Cooling and Refrigeration		4.0	X	X	9.9	45.2	X	
	Machine Drive		6.1	X	93.3	9.4	67.9	X	
	Electro-Chemical Processes		24.3						
	Other Process Use		31.5	X	4.6	0.8	3.3	X	
	Direct Uses-Total Nonprocess		8.0	X	77.2	12.8	15.8	X	
	Facility HVAC (g)		7.2	X	6.2	13.7	34.6	X	
	Facility Lighting		10.1						
	Other Facility Support		8.7	Χ	66.2	10.3	1.6	X	
	Onsite Transportation		7.7		86.4	8.7	6.8		
	Conventional Electricity Generation			X	49.0	65.0	0.1	X	
	Other Nonprocess Use		57.4	Χ	2.9	78.9	0.1	X	
	End Use Not Reported	16.0	0.1	X	0.1	0.1	5.8	X	19
36411	Aircraft								
	TOTAL FUEL CONSUMPTION	19.7	19.0	0.1	84.4	14.0	3.2	X	40
	Indirect Uses-Boiler Fuel		28.6	0.1	0.1	0.2	0.1	X	
	Conventional Boiler Use		28.6	0.1	0.1	0.2	0.1	X	
	CHP and/or Cogeneration Process			X	X	0.1	X	X	
	Direct Uses-Total Process		22.4	X	94.7	1.6	5.0	X	
	Process Heating		13.5	X	0.1	1.9	0.1	X	
	Process Cooling and Refrigeration		9.3	X	X	0.1	45.2	X	
	Machine Drive		16.8	X	94.8	1.1	0.1	X	
	Electro-Chemical Processes		2.8						
	Other Process Use		88.9	Х	Х	25.5	X	Х	
	Direct Uses-Total Nonprocess		18.3	Х	89.9	26.6	4.4	Х	
	Facility HVAC (g)		17.6	Х	0.1	28.3	18.4	Х	
	Facility Lighting		23.0						
	Other Facility Support		16.4	Х	Х	16.9	0.1	Х	
	Onsite Transportation		21.4		90.5	12.1	2.9		
	Conventional Electricity Generation			Х	Х	0.1	X	Х	
	Other Nonprocess Use		63.8	X	35.7	87.3	X	X	
	End Use Not Reported	7.0	0.1	X	X	0.1	0.1	X	40
87	FURNITURE AND RELATED PRODUCTS								
	TOTAL FUEL CONSUMPTION	9.1	8.3	x	54.6	13.2	27.2	4.4	40
	Indirect Uses-Boiler Fuel		30.7	X	99.0	50.1	96.4	0.1	
	Conventional Boiler Use		30.7	X	X	46.4	96.4	0.1	
	CHP and/or Cogeneration Process			X	99.0	58.1	96.4	X	

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

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).

(b) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

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

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

(e) Hydrocarbon Gas Liquids '(HGL)' include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).

- (f) 'Other' includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power.
- (g) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.
- * Estimate less than 0.5.
- W=Withheld to avoid disclosing data for individual establishments.
- Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

- X=Not defined because RSE corresponds to a value of zero.
- -- Estimation is not applicable.
- S=Negative value.

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

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