		F	Residual Fuel Oil				Alternati	ve Energy Sources	(b)		
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
		Total United States									
311	Food	4,124	2,134	454	0	1,896	284	0	Q	0	Q
3112	Grain and Oilseed Milling	260	186	45	0	186	0	0	0	0	0
311221	Wet Corn Milling	27	0	27	0	0	0	0	0	0	0
31131	Sugar Manufacturing	1,359	162	48	0	162	16	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	393	249	27	0	152	134	0	Q	0	0
3115	Dairy Products	209	Q	Q	0	Q	Q	0	Q	0	0
3116	Animal Slaughtering and Processing	539	324	172	0	274	0	0	0	0	Q
312	Beverage and Tobacco Products	431	325	107	0	325	58	0	0	0	0
3121	Beverages	290	232	58	0	232	0	0	0	0	0
3122	Tobacco	141	93	49	0	93	58	0	0	0	0
313	Textile Mills	396	164	228	0	164	0	0	0	0	0
314	Textile Product Mills	Q	36	Q	0	35	Q	0	0	0	0
315	Apparel	Q	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	42	0	19	0	0	0	0	0	0	0
321	Wood Products	604	427	117	0	355	427	0	0	0	Q
321113	Sawmills	58	0	58	0	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	64	0	59	0	0	0	0	0	0	0
3219	Other Wood Products	Q	Q	0	0	0	Q	0	0	0	Q
322	Paper	14,528	4,748	8,539	851	3,507	692	660	64	0	97
322110	Pulp Mills	1,796	238	1,131	0	228	10	0	2	0	14
322121	Paper Mills, except Newsprint	7,521	2,134	5,290	850	1,371	156	200	62	0	42
322122	Newsprint Mills	373	0	307	0	0	0	0	0	0	0
322130	Paperboard Mills	4,555	2,304	1,779	1	1,836	526	460	0	0	42
323	Printing and Related Support	Q	0	Q	0	0	0	0	0	0	0
324	Petroleum and Coal Products	9,198	2,121	903	0	429	1,542	0	404	0	19
324110	Petroleum Refineries	8,292	1,244	903	0	429	665	0	404	0	19
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0	0	0
325	Chemicals	3,733	2,015	1,468	0	1,799	403	16	0	0	0
325110	Petrochemicals	732	138	593	0	138	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0
325182	Carbon Black	72	72	0	0	72	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	1,406	777	622	0	777	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	93	85	8	0	0	85	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	254	162	59	0	110	65	0	0	0	0
325211	Plastics Materials and Resins	58	58	0	0	58	0	0	0	0	0
325212	Synthetic Rubber	5	5	0	0	2	3	0	0	0	0
325222	Noncellulosic Organic Fibers	434	434	0	0	357	231	16	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	39	0	39	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	173	41	128	0	41	20	0	0	0	0
325412	Pharmaceutical Preparation	173	41	128	0	41	20	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	21	3	18	0	3	0	0	0	0	0
326 327	Plastics and Rubber Products	1,414	885	Q 120	0	665	Q	0 5	0	0	0
	Nonmetallic Mineral Products	513	384	129	0	130	219			35 0	0
327211	Flat Glass	218 0	218	0	0	0	218	0	0	-	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0 0	0	0
327213 327215	Glass Containers	0	0	0	0	0	0	0	0	0	0
327215 327310	Glass Products from Purchased Glass	0 156	58	98	0	23	0	0 5	0	0 35	0
327310 327410	Cements	156 60	58 60	98	0	23	0	5	0	35	0
327410 327420	Lime	60	00	0	0	58 0	2	0	0	0	0
327420	Gypsum Minoral Weel	0	0	0	0	0	0	0	0	0	0
327993 331	Mineral Wool Primary Metals	3,097	510	545	0	510	0	0	0	0	0
551	I IIIIaiy Weldis	3,097	510	545	U	510	U	U	U	0	0

		F	Residual Fuel Oil				Alternativ	e Energy Sources	(b)		
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
331111	Iron and Steel Mills	3,042	478	539	0	478	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0
3313 331314	Alumina and Aluminum Secondary Smelting and Alloying of Aluminum	43 18	26 0	0	0	26 0	0	0	0 0	0 0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	ů 0	0	0
331316	Aluminum Extruded Products	4	4	0	0	4	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	10	6	3	0	6	0	0	0	0	0
3315	Foundries	Q	0	Q	0	0	0	0	0	0	0
331511	Iron Foundries	*	0	0	0	0	0	0	0	0	0
331521 331524	Aluminum Die-Casting Foundries Aluminum Foundries, except Die-Casting	0 Q	0	0 Q	0	0 0	0	0	0 0	0 0	0
332	Fabricated Metal Products	Q	0	Q	0	0	0	0	0	0	0
333	Machinery	õ	õ	0	0	Q	0	0	0	ů 0	0
334	Computer and Electronic Products	58	45	Q	0	45	Q	0	0	0	0
334413	Semiconductors and Related Devices	4	0	4	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0
336	Transportation Equipment	1,038	427	194	0	427	0	0	0	0	0
336111 336112	Automobiles	27 6	7 6	20 0	0	7 6	0	0 0	0 0	0	0 0
336112	Light Trucks and Utility Vehicles Aerospace Product and Parts	490	5 348	106	0	348	0	0	0	0	0
336411	Aircraft	490	0	100	0	0	0	0	0	0	0
337	Furniture and Related Products	Q	Q	*	0	0	Q	0	0	0	0
339	Miscellaneous	Q	Q	*	0	Q	Q	0	0	0	0
	Total	39,925	14,750	13,283	851	10,660	4,057	681	645	35	239
		Northeast Census Re	agion								
			- 3								
311	Food	520	387	66	0	289	178	0	0	0	0
3112	Grain and Oilseed Milling	29	0	29	0	0	0	0	0	0	0
311221	Wet Corn Milling	27	0	27	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0	0	0
3114 3115	Fruit and Vegetable Preserving and Specialty Foods Dairy Products	138 71	138 Q	0 Q	0	Q	134 Q	0	0 0	0 0	0 0
3115	Animal Slaughtering and Processing	0	0	0	0	0	0	0	0	0	0
312	Beverage and Tobacco Products	155	74	81	0	74	0	0	0	Ő	0
3121	Beverages	86	54	32	0	54	0	0	0	0	0
3122	Tobacco	69	20	48	0	20	0	0	0	0	0
313	Textile Mills	318	Q	220	0	Q	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0	0	0	0	0
315 316	Apparel Leather and Allied Products	0 42	0	0 19	0	0 0	0	0 0	0 0	0 0	0
321	Wood Products	42 Q	0	Q	0	0	0	0	0	0	0
321113	Sawmills	Q	0	Q	0	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	0	0	0	0	0	0	0	0	0	0
3219	Other Wood Products	0	0	0	0	0	0	0	0	0	0
322	Paper	4,317	1,200	2,868	724	491	131	62	62	0	0
322110 322121	Pulp Mills Paper Mills, except Newsprint	270 3,195	0 968	270 2.157	0 724	0 259	0 131	0 62	0 62	0	0
322121	Newsprint Mills	3,195	968	2,157	0	259	0	02	0	0	0
322122	Paperboard Mills	329	227	102	0	227	0	0	0	0	0
323	Printing and Related Support	Q	0	Q	0	0	0	0	0	0	0
324	Petroleum and Coal Products	1,804	Q	436	0	236	Q	0	188	0	0
324110	Petroleum Refineries	1,090	236	436	0	236	48	0	188	0	0
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0	0	0
325	Chemicals	1,551 0	1,044 0	292 0	0	992 0	52 0	0	0 0	0	0
325110 325120	Petrochemicals Industrial Gases	0	0	0	0	0	0	0	0	0	0
325120	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0

		R	esidual Fuel Oil				Alternativ	e Energy Source	s(b)		
										Coal Coke	
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	and Breeze	Other(e)
325188	Other Basic Inorganic Chemicals	826	697	122	0	697	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
325199 325211	Other Basic Organic Chemicals Plastics Materials and Resins	77 19	53 19	24 0	0	1 19	52 0	0	0	0	0 0
325211	Synthetic Rubber	0	0	0	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	9	9	0	0	9	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	152	Q	128	0	Q	0	0	0	0	0
325412	Pharmaceutical Preparation	152	Q	128	0	Q	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	21	3	18	0	3	0	0	0	0	0
326	Plastics and Rubber Products	Q	Q	Q	0	Q	0	0	0	0	0
327	Nonmetallic Mineral Products	214	Q	129	0	Q	2	0	0	35	0
327211	Flat Glass	0	0	0	0	0	0	0	0	0	0
327212 327213	Other Pressed and Blown Glass and Glassware Glass Containers	0	0	0	0	0	0	0	0	0	0
327213	Glass Containers Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0	0
327213	Cements	133	35	98	0	0	0	0	0	35	0
327410	Lime	2	2	0	0	0	2	0	0	0	ő
327420	Gypsum	*	0	0	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0	0	0	0
331	Primary Metals	55	32	5	0	32	0	0	0	0	0
331111	Iron and Steel Mills	0	0	0	0	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0
3313	Alumina and Aluminum	43	26	0	0	26	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	18	0	0	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0 4	0	0	0	0	0	0	0	0
331316 3314	Aluminum Extruded Products	4 10	4	0 3	0	4 6	0	0	0	0 0	0 0
3315	Nonferrous Metals, except Aluminum Foundries	Q	0	Q	0	0	0	0	0	0	0
331511	Iron Foundries	*	0	0	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	Q	0	Q	0	0	0	0	0	0	0
332	Fabricated Metal Products	9	0	9	0	0	0	0	0	0	0
333	Machinery	Q	Q	0	0	Q	0	0	0	0	0
334	Computer and Electronic Products	58	45	Q	0	45	Q	0	0	0	0
334413	Semiconductors and Related Devices	4	0	4	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0
336	Transportation Equipment	410	305	105	0	305	0	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0	0	0	0
336112 3364	Light Trucks and Utility Vehicles Aerospace Product and Parts	0 410	0 305	0 105	0	0 305	0	0	0	0	0 0
3364 336411	Aerospace Product and Parts Aircraft	410	305 0	0	0	0	0	0	0	0	0
337	Furniture and Related Products	Q	Q	*	0	0	Q	0	0	0	0
339	Miscellaneous	Q	Q	*	0	0	Q	0	0	0	0
000	Total	10,195	4,878	4,321	724	3,115	1,298	62	249	35	0
							,				
		Midwest Census Reg	ion								
211	Fred	1,813	Q	177	0	Q	Q	0	Q	0	0
311 3112	Food Grain and Oilseed Milling	1,813	159	16	0	159	0	0	0	0	0
3112	Wet Corn Milling	175	159	16	0	159	0	0	0	0	0
311221	Sugar Manufacturing	210	162	48	0	162	16	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods		0	40	0	0	0	0	0	0	0
3115	Dairy Products	Q	Q	16	0	0	Q	0	Q	0	0
3116	Animal Slaughtering and Processing	301	205	Q	0	205	0	0	0	0	0
312	Beverage and Tobacco Products	117	117	0	0	117	0	0	0	0	0
3121	Beverages	117	117	0	0	117	0	0	0	0	0

			F	Residual Fuel Oil				Alternati	ve Energy Sources	(b)		
CachelStancer <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Coal Coke</th><th></th></t<>											Coal Coke	
131Tende Male00 <th< th=""><th></th><th>Subsector and Industry</th><th></th><th>Switchable</th><th></th><th></th><th></th><th></th><th>Coal</th><th>LPG</th><th></th><th>Other(e)</th></th<>		Subsector and Industry		Switchable					Coal	LPG		Other(e)
111 Tends Product Miths 0												
bits Apparent 0 0 0 0				-				-			-	
bit Lewine and Alley Products 0 0 0 0 <td></td> <td></td> <td>•</td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>			•	-				-				
bit Wood Products B		••									-	
33110 Marchis 0 0 0 0				-				-				-
StateVerse, Tyyood, and Engineend Woods508000<				-			-				-	•
1219 One Wood Products O												
522 5211PaperPaper958956430184602512606632121Printing and Paletade Support70<			*					-				-
J2210 Pape Mile scorpt Mergint 72 <t< td=""><td></td><td></td><td>959</td><td>516</td><td></td><td></td><td></td><td>25</td><td></td><td></td><td>0</td><td></td></t<>			959	516				25			0	
3212 Printing and Rinking 0												
33210Province Mile1611733817200000231Printer MC Cale Alcales25312812812900	322121	Paper Mills, except Newsprint	732	327	405	126	301	25	126	0	0	26
323Printing and Related Support000						0			0	0	0	0
941.Pertodum definitions2621209401200												
324100Observations2231299401000 <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td></t<>			-			-		-				
33419 Other Persident and Call Products 0								-			-	-
325Demochanical static105106000								-	-			-
33510Potrochemicals00 </td <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td>			0									0
325121 Mudurial Cases 0												
325181Akales and Chome000			-						-			•
33518Carbon Black00 <td></td> <td></td> <td>0</td> <td>0</td> <td>-</td> <td>-</td> <td>-</td> <td>0 0</td> <td>-</td> <td>-</td> <td>-</td> <td>0 0</td>			0	0	-	-	-	0 0	-	-	-	0 0
23513 Cycle Cudes and Intermediates 85 85 0			0	0			0	0			0	
25139 Einyl Akolad 0 0 0 0 0 0 0 325190 Dikter Jask cryain Chemicals 0	325188	Other Basic Inorganic Chemicals	20	20	0	0	20	0	0	0	0	0
32510 Other Basic Organic Chemicals 0	325192	Cyclic Crudes and Intermediates	85	85	0	0	0	85	0	0	0	0
325211 Plastics Materials and Resins 0												
32522 Synthetic Robber 0				-		-						
32521 Noncelluosic Organic Flemitizers 0			0	9		•	0	9			•	0
325312 Nitrogenous Fertilizers 0 <td< td=""><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			0									
32512 Phonspatic Finitizers 0<			-	-							-	
32541 Pharmaceuticals and Medicines 0			0	9								•
325912 Pharganecutical Preparation 0			0	-			-				-	
3269 Photographic Film, Paper, Pilet, and Chemicals 0			-	-			-				-	
326 Plastics and Rubber Products 0 <			0	0		0	0	0				0
122211 Flot Glass 0			0	0	0	0	0	0	0		0	0
327212 Other Pressed and Blown Glass and Glassware 0	327	Nonmetallic Mineral Products	0	0	0	0	0	0	0	0	0	0
327213 Glass Containers 0	327211	Flat Glass	0	0	0	0	0	0	0	0	0	0
327215 Glass Products from Purchased Glass 0 <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td>			-	-			-	-				-
327310 Cements 0 <t< td=""><td></td><td></td><td>0</td><td>-</td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td></t<>			0	-		-		-				
327410 Line 0			0	9			0	-			•	
327420 Gypsum 0 <t< td=""><td></td><td></td><td>0</td><td>-</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td></td></t<>			0	-			-				-	
327993 Mineral Wool 0				-		-		-				-
331 Primary Metals 2,465 0 530 0 <td></td> <td></td> <td>0</td> <td>•</td> <td></td> <td></td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td>0</td>			0	•			0	0				0
331111 Iron and Steel Mills 2,465 0 530 0			-									
33112Electrometallurgical Ferroalloy Products000<				0		0		0				0
3313Alumina and Aluminum000 <t< td=""><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></t<>				0	0	0	0	0	0	0	0	0
331314Secondary Smelting and Alloying of Aluminum000 </td <td>3312</td> <td>Steel Products from Purchased Steel</td> <td>0</td>	3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0
331315 Aluminum Sheet, Plate and Foils 0			0	0			0	-			0	0
331316Aluminum Extruded Products00<			0									
3314 Nonferrous Metals, except Aluminum 0			-				-					
3315 Foundries 0 0 0 0 0 0 0 0 0 0 0 0 0 33151 Iron Foundries 0			-	-		-		-				
331511 Iron Foundries 0			0	•			Ũ	-			0	
331521 Aluminum Die-Casting Foundries O			0									
331524 Aluminum Foundries, except Die-Casting 0 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td>				-				-				-
332 Fabricated Metal Products 0<			-	-			-	-	-			•
333 Machinery 0 <th< td=""><td></td><td></td><td>-</td><td>-</td><td>-</td><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></th<>			-	-	-		-	-	-	-	-	-
334 Computer and Electronic Products 0			0								0	
334413 Semiconductors and Related Devices 0 0 0 0 0 0 0 0 0 0 0 0 0 0	334	Computer and Electronic Products	0	0			0	0			0	0
	334413	Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0	0

		R	esidual Fuel Oil		Alternative Energy Sources(b) Coal Coke Electricity Natural Distillate and Descipted Cos Evel Office Cos Posses O				1		
NAICS		Total		Not	Electricity	Natural	Distillate				
Code(a)	Subsector and Industry	Consumed(c)	Switchable	Switchable	Receipts(d)	Gas	Fuel Oil	Coal	LPG	Breeze	Other(e)
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0
336 336111	Transportation Equipment Automobiles	Q	Q 0	Q	0	Q 0	0	0	0 0	0	0 0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	43	43	0	0	43	0	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0	0	0	0
337 339	Furniture and Related Products Miscellaneous	0 Q	0 Q	0	0	0 Q	0	0	0 0	0	0 0
339	Total	5,950	2,467	1,370	126	2,266	217	126	Q	0	26
		South Census Region		1,010	120	2,200	211	120	~	Ű	20
311	Food	1,680	146	211	0	Q	0	0	0	0	Q
3112 311221	Grain and Oilseed Milling Wet Corn Milling	56 0	27 0	0	0	27 0	0	0	0 0	0	0 0
311221	Sugar Manufacturing	1,149	0	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	27	0	27	0	0	0	0	0	0	0
3115	Dairy Products	0	0	0	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	238	Q	76	0	Q	0	0	0	0	Q
312 3121	Beverage and Tobacco Products Beverages	160 87	134 62	26 25	0	134 62	58 0	0	0	0	0 0
3122	Tobacco	73	72	1	0	72	58	0	0	0	0
313	Textile Mills	78	67	Q	0	67	0	0	0	0	0
314	Textile Product Mills	Q	36	Q	0	35	Q	0	0	0	0
315 316	Apparel Leather and Allied Products	0	0	0	0 0	0	0	0	0	0	0 0
321	Wood Products	Q	Q	4	Ő	Ő	Q	Ő	0	0	Q
321113	Sawmills	4	0	4	0	0	0	0	0	0	0
3212 3219	Veneer, Plywood, and Engineered Woods Other Wood Products	5 Q	0 Q	0	0	0	0 Q	0	0 0	0	0 Q
3219	Paper	8,417	2,755	4,763	0	2,251	536	473	0	0	56
322110	Pulp Mills	1,486	198	861	0	188	10	0	0	0	0
322121	Paper Mills, except Newsprint	3,047	738	2,309	0	711	0	13	0	0	14
322122	Newsprint Mills	0	0	0	0 1	0	0	0	0	0	0
322130 323	Paperboard Mills Printing and Related Support	3,884 0	1,819 0	1,593 0	1	1,352 0	526 0	460 0	0 0	0	42 0
324	Petroleum and Coal Products	5,924	214	88	0	*	214	0	0	0	0
324110	Petroleum Refineries	5,924	214	88	0	*	214	0	0	0	0
324199 325	Other Petroleum and Coal Products Chemicals	0 2,051	0 867	0 1,150	0	0 788	0 267	0 16	0 0	0	0 0
325	Petrochemicals	732	138	593	0	138	207	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0
325182 325188	Carbon Black Other Basic Inorganic Chemicals	72 534	72 Q	0 474	0	72 Q	0	0	0 0	0	0 0
325188	Cyclic Crudes and Intermediates	534	0	4/4	0	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	177	109	36	0	109	Q	0	0	0	0
325211 325212	Plastics Materials and Resins Synthetic Rubber	39 5	39 5	0	0	39 2	0 3	0	0 0	0	0 0
325212	Noncellulosic Organic Fibers	425	425	0	0	348	231	16	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	39	0	39	0	0	0	0	0	0	0
3254 325412	Pharmaceuticals and Medicines Pharmaceutical Preparation	21 21	20 20	*	0	20 20	20 20	0	0 0	0	0 0
325412	Photographic Film, Paper, Plate, and Chemicals	21	20	0	0	20	20	0	0	0	0
326	Plastics and Rubber Products	1,237	750	Q	0	530	Q	0	0	0	0
327	Nonmetallic Mineral Products	23	23	0	*	23	0	5	*	0	0
327211 327212	Flat Glass Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0 0	0	0 0
327212	Glass Containers	0	0	0	0	0	0	0	0	0	0

			Residual Fuel Oil				Alternati	ve Energy Sources	(b)		
NAICS Code(a) Subsec	tor and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
	Products from Purchased Glass	0	0	0	0	0	0	0	0	0	
327310 Ceme	nts	23	23	0	*	23	0	5	*	0	
327410 Lime		0	0	0	0	0	0	0	0	0	
327420 Gypsu		0	0 0	0	0	0 0	0	0	0	0 0	
327993 Minera 31 Primary		0 577	478	10	0	478		0	0	0	
	nd Steel Mills	577	478	10	0	478	0	0	0	0	
	ometallurgical Ferroalloy Products	5//	478	0	0	478	0	0	0	0	
	Products from Purchased Steel	0	0	0	0	0	0	0	0	0	
	a and Aluminum	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
	dary Smelting and Alloying of Aluminum num Sheet, Plate and Foils	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
	num Extruded Products	0	0	0	0	0	0	0	0	0	
	rrous Metals, except Aluminum	0	0	0	0	0	0	0	0	0	
315 Found			0	0	-	0		0		0	
	oundries	0	0	0	0	0	0	0	0	0	
	num Die-Casting Foundries		0	0	0	0	0	0	0	0	
	num Foundries, except Die-Casting	0		-	0		0		0	0	
	ted Metal Products	-	0	Q	0	0	0	0		0	
3 Machin		0	0		-	0	-	0	0		
	ter and Electronic Products	0	0	0	0	0	0	0	0	0	
	onductors and Related Devices	•		0	0	-	Ũ	-	0	-	
	al Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	
	ortation Equipment	451	13	21	0	13	0	0	0	0	
336111 Autom		27	7	20	0	7	0	0	0	0	
	rucks and Utility Vehicles	6	6	0	0	6	0	0	0	0	
	pace Product and Parts	38	0	1	•	0	0	0	0	0	
336411 Aircrat		1	0	1	0	0	0	0	0	0	
	e and Related Products	0	0	0	0	0	0	0	0	0	
39 Miscella Total	ineous	0 20,887	0 5,556	0 6,791	0	0 4,415	0 1,404	0 493	0	0	
TOLAI				0,791	1	4,415	1,404	493		0	
		West Census Region	ו								
1 Food		112	112	0	0	112	0	0	Q	0	
	and Oilseed Milling	0	0	0	0	0	0	0	0	0	
	orn Milling	0	0	0	0	0	0	0	0	0	
	Manufacturing	0	0	0	0	0	0	0	0	0	
	nd Vegetable Preserving and Specialty Foods	112	112	0	0	112	0	0	Q	0	
	Products	0	0	0	0	0	0	0	0	-	
	I Slaughtering and Processing	0	0	0	0	0	0	0	0	0	
	ge and Tobacco Products			-	-		-		-	-	
21 Bever		0	0	0	0	0	0	0	0	0	
122 Tobac		0	-	-	-		-		-	-	
3 Textile		0	0	0	0	0	0	0	0	0	
	Product Mills	0	0	0	0	0	0	0	0	0	
5 Appare		0	0	0	0	0	0	0	0	0	
	and Allied Products	0	0	0	0	0	0	0	0	0	
	Products	428	355	24	0	355	355	0	0	0	
21113 Sawm		24	0	24	0	0	0	0	0	0	
	r, Plywood, and Engineered Woods	0	0	0	0	0	0	0	0	0	
	Wood Products		0	0	0	0	0	0	0	0	
2 Paper		834	277	465	0	275	0	0	2	0	
22110 Pulp N		40	40	0	0	40	0	0	2	0	
	Mills, except Newsprint	546	101	418	0	99	0	0	0	0	
	vrint Mille	66	0	0	0	0	0	0	0	0	
322122 Newsp											
322122 Newsr 322130 Paper	board Mills	181	135	46	0	135	0	0	0	0	
322122 Newsp 322130 Paper 23 Printing		181 0 1,217	135 0 828	46 0 285	0 0 0	135 0 65	0 0 566	0 0 0	0 0 217	0 0 0	

		F	Residual Fuel Oil				Alternativ	e Energy Source	s(b)		
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
324110	Petroleum Refineries	1,055	666	285	0	65	403	0	217	0	19
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0	0	0
325	Chemicals	26	0	26	0	0	0	0	0	0	0
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	26	0	26	0	0	0	0	0	0	0
325192 325193	Cyclic Crudes and Intermediates Ethyl Alcohol	0	0	0	0	0	0	0	0 0	0	0
325193	Other Basic Organic Chemicals	0	0	0	0	0	0	0	0	0	0
325199	Plastics Materials and Resins	0	0	0	0	0	0	0	0	0	0
325211	Synthetic Rubber	0	0	0	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0 0	0	0 0	Ő	õ	ů 0	0	0	0 0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	276	276	0	0	58	218	0	0	0	0
327211	Flat Glass	218	218	0	0	0	218	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0	0
327310	Cements	0	0	0	0	0	0	0	0	0	0
327410	Lime	58	58	0	0	58	0	0	0	0	0
327420	Gypsum	0	0	0	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0	0	0	0
331	Primary Metals	0	0	0	0	0	0	0	0	0	0
331111	Iron and Steel Mills	0	0	0	0	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0	0 0	0 0	0
331315 331316	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	0	0	0
331316	Aluminum Extruded Products Nonferrous Metals, except Aluminum	0	0	0	0	0	0	0	0	0	0
3314	Foundries	0	0	0	0	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	ů 0	0	ů 0	0	0	ů 0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	Ő	Ő	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0	0	0	0
333	Machinery	0	0	0	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0
336	Transportation Equipment	0	0	0	0	0	0	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	0	0	0	0	0	0	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0	0	0	0	0
339	Miscellaneous	0	0	0	0	0	0	0	0	0	0
	Total	2,894	1,848	800	0	865	1,138	0	305	0	35

Economic Characteristic (f)

Table 10.4 Capability to Switch Residual Fuel Oil to Alternative Energy Sources, 2006;

Level: National Data and Regional Totals;

Row: NAICS Codes, Value of Shipments and Employment Sizes; Column: Energy Sources;

Unit: Thousand Barrels.

		R	esidual Fuel Oil				Alternativ	e Energy Sources	(b)		
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
	Value of Shipments and Receipts (million dollars)										
	Under 20	3,619	2,568	946	*	1,682	1,203	0	*	0	Q
	20-49	2,090	968	887	•	569	408	*	Q	35	0
	50-99	3,470	1,963	1,198	0	1,524	477	5	0	0	2
	100-249	4,031	1,201	2,427	62	862	395	62	64	0	45
	250-499	8,364	2,697	3,992	0	2,227	602	482	0	0	0
	500 and Over	18,351	5,353	3,833	789	3,796	971	132	404	0	70
	Total	39,925	14,750	13,283	851	10,660	4,057	681	645	35	239
	Employment Size										
	Under 50	1,552	1,176	105	*	296	928	0	Q	0	Q
	50-99	2,953	1,868	1,070	0	1,681	481	*	0	35	Q
	100-249	5,984	3,286	2,086	•	2,109	1,078	5	286	0	16
	250-499	7,029	2,169	3,131	1	1,554	641	17	19	0	51
	500-999	9,139	3,663	4,599	724	2,473	851	532	249	0	0
	1000 and Over	13,269	2,588	2,292	126	2,548	77	126	0	0	50
	Total	39,925	14,750	13,283	851	10,660	4,057	681	645	35	239

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

(b) Alternative Energy Sources' consist of those energy sources that could have been substituted for residual fuel oil during 2006. The quantities are expressed in thousands of barrels, and therefore represent the quantity of residual fuel oil that could have been displaced by the given alternative type of energy.

(c) 'Total Consumed' represents those quantities (Total Inputs) of residual fuel oil that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(d) 'Electricity Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

 (e) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of residual fuel oil.
 (f) Value of Shipments and Receipts and Employment Size categories were

supplied by the Bureau of the Census.

NF=No applicable RSE row/column factor. * Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent. NA=Not available.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2006 Annual Survey of Manufacturers.'

Next MECS will be conducted in 2010 RSE Table 10.4 Relative Standard Errors for Table 10.4;

Unit: Percents.

Residual Fuel Oil Alternative Energy Sources(b) Coal Coke NAICS Total Not Electricity Natural Distillate and Code(a) Subsector and Industry Consumed(c) Switchable Switchable Receipts(d) Gas Fuel Oil Coal LPG Breeze Other(e) **Total United States** 21.5 40.8 24.6 45.6 33.8 58.0 95.1 311 Food Х Х Х 3112 Grain and Oilseed Milling 19.1 23.8 16.1 23.8 Х Х Х Х Х Х 311221 Wet Corn Milling 0.0 Х 0.0 Х Х Х Х Х Х Х 31131 Sugar Manufacturing 0.0 0.0 0.0 Х 0.0 0.0 х х Х х 3114 Fruit and Vegetable Preserving and Specialty Foods 14.7 23.1 0.0 Х 38.0 14.7 Х 62.9 Х Х 3115 Dairy Products 45.7 71.4 51.1 х 57.7 88.4 х 95.9 Х Х 3116 23.1 28.1 48.5 Х 28.5 Х 95.1 Animal Slaughtering and Processing Х Х Х 312 Х Beverage and Tobacco Products 0.4 0.6 0.0 0.6 0.0 Х Х Х Х 3121 Beverages 0.6 0.8 0.0 Х 0.8 Х Х х х Х 3122 Tobacco 0.0 0.0 0.0 Х 0.0 0.0 Х Х Х Х 313 Textile Mills 37.5 45.4 45.8 Х 45.4 х х х х Х 314 Textile Product Mills 60.2 28.9 83.6 Х 29.9 78.4 Х х Х х 315 Apparel 84.0 Х Х Х Х Х Х Х Х Х 316 Leather and Allied Products 0.0 Х 0.0 Х Х Х Х х Х х 321 Wood Products 13.0 16.6 28.5 Х 0.0 16.6 Х Х Х 97.6 321113 Sawmills 34.9 х 34.9 Х х х х х х х 3212 Veneer, Plywood, and Engineered Woods 41.6 Х 44.9 Х Х Х х Х Х Х 3219 97.6 97.6 97.6 Other Wood Products 97.4 Х X Х X X Х 322 Paper 0.5 0.1 0.3 0.0 0.1 0.0 0.0 0.0 Х 0.0 Pulp Mills 322110 0.0 0.0 0.0 Х 0.0 0.0 Х 0.0 Х 0.0 Paper Mills, except Newsprint 322121 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 х 0.0 322122 Newsprint Mills 0.0 Х 0.0 Х Х Х Х Х Х Х Paperboard Mills 322130 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Х X 98.1 98.1 323 Printing and Related Support Х Х Х Х Х Х Х Х 324 Petroleum and Coal Products 5.6 24.1 0.0 Х 0.0 33.2 Х 0.0 Х 0.0 324110 Petroleum Refineries 0.0 0.0 0.0 Х 0.0 0.0 Х 0.0 Х 0.0 324199 Other Petroleum and Coal Products Х Х Х Х Х Х Х Х Х Х 325 8.8 10.2 13.5 х 11.5 23 0.0 х Chemicals х х 325110 Petrochemicals 0.0 0.0 0.0 Х 0.0 Х Х Х Х х Industrial Gases Х Х Х Х х 325120 Х Х Х Х X 325181 Alkalies and Chlorine Х Х Х Х Х х Х х Х х 325182 Carbon Black 0.0 0.0 Х Х 0.0 Х Х Х Х Х Other Basic Inorganic Chemicals 325188 14.3 48 31.8 Х 48 х х х х х 325192 Cyclic Crudes and Intermediates 0.0 0.0 0.0 Х Х 0.0 Х Х Х Х Х х 325193 Ethyl Alcohol X Х Х Х Х Х X х 325199 Other Basic Organic Chemicals 10.0 5.7 10.8 Х 8.4 14.3 Х Х Х х 325211 Plastics Materials and Resins 0.0 0.0 Х Х 0.0 Х Х Х Х Х 325212 Synthetic Rubber 0.0 0.0 х Х 0.0 0.0 х х х х 325222 Noncellulosic Organic Fibers 0.0 0.0 Х Х 0.0 0.0 0.0 Х Х Х х 325311 Nitrogenous Fertilizers Х Х х Х Х Х Х Х X 325312 Phosphatic Fertilizers 0.0 Х 0.0 Х Х Х Х Х Х х 3254 Pharmaceuticals and Medicines 9.4 39.1 0.0 Х 39.1 0.0 Х Х Х Х 325412 Pharmaceutical Preparation 9.4 39.1 0.0 Х 39.1 0.0 х х х Х 325992 Photographic Film, Paper, Plate, and Chemicals 0.0 0.0 0.0 Х 0.0 Х Х Х Х Х 326 Plastics and Rubber Products 33.5 38.6 77.7 Х 40.1 83.6 х х х х 327 Nonmetallic Mineral Products 10.7 12.2 22.5 85.6 36.1 0.0 0.0 85.6 0.0 Х Х 327211 Flat Glass 0.0 0.0 Х Х Х 0.0 Х Х х 327212 Other Pressed and Blown Glass and Glassware Х Х Х х Х х х Х Х Х 327213 Glass Containers Х Х Х Х Х Х Х Х Х Х 327215 Glass Products from Purchased Glass х х х х х х х х х х 327310 Cements 0.1 0.2 0.0 85.6 0.5 Х 0.0 85.6 0.0 х 327410 0.0 0.0 Х Lime 0.0 Х Х 0.0 Х Х х 327420 Gypsum 0.0 Х Х Х Х Х Х Х Х х 327993 Mineral Wool Х Х Х Х Х Х Х Х Х Х 331 0.1 0.0 0.3 Х 0.0 х Х х х Primary Metals Х 331111 Iron and Steel Mills 0.0 0.0 0.0 Х 0.0 Х Х х Х х х х х 331112 Electrometallurgical Ferroalloy Products х х х х Х х х 3312 Steel Products from Purchased Steel Х х Х Х Х Х Х Х х Х 0.0 Х 0.0 Х х х 3313 Alumina and Aluminum 0.0 Х Х X 331314 Secondary Smelting and Alloying of Aluminum 0.0 Х Х х х х х х Х Х 331315 Aluminum Sheet, Plate and Foils Х Х Х Х Х Х Х Х Х Х 331316 Aluminum Extruded Products 0.0 0.0 х х 0.0 х х Х х х 3314 Nonferrous Metals, except Aluminum 0.0 0.0 0.0 Х 0.0 Х Х х Х Х Х 3315 92.5 95.2 Х Х Х х Foundries Х Х х

331511 331521 332 333 334 334413 335 336 336111 336112 3364 336411 337 339	Iron Foundries Aluminum Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery Computer and Electronic Products Semiconductors and Related Devices Electrical Equip., Appliances, and Components Transportation Equipment Automobiles Light Trucks and Utility Vehicles Aerospace Product and Parts Aircraft Furniture and Related Products Miscellaneous Total	0.0 X 95.2 68.1 97.4 41.1 0.0 X 8.7 0.0 0.0 0.1 0.0 98.6 94.3 3.1	X X Y 97.4 40.3 X X 14.4 0.0 0.0 0.0 X 98.8 94.4 7.8	X X 95.2 68.3 X 51.8 0.0 X 34.0 0.0 X 0.6 0.0 98.8 99.2 3.2	x x x x x x x x x x x x x x x x 0.1	X X 97.4 40.3 X X 14.4 0.0 0.0 0.0 0.0 X X 82.7 9.4	X X X X 75.7 X X X X X X X X X 88.8 97.4 14.3	X X X X X X X X X X X X X 0.0	X X X X X X X X X X X X 15.9	X X X X X X X X X X X X X 0.0	X X X X X X X X X X X X X 35.6
	Nor	theast Census Region									
311 3112 31121 31131 3114 3115 312 312 312 312 312 312 312 312	Food Grain and Oilseed Milling Wet Corn Milling Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Doard Mills Printing and Related Support Petroleum Refineries Other Petroleum and Coal Products Chemicals Petroleum Refineries Other Patroleum and Coal Products Chemicals Petroleum Refineries Other Patroleum and Coal Products Chemicals Petroleum Refineries Other Patroleum and Coal Products Chemicals Petroleum Refineries Other Basic Organic Chemicals Cyclic Crudes and Intermediates Ethyl Alcohol Other Basic Organic Fibers Nitrogenous Fertilizers Phosphatic Fertilizers Phoraceuticals and Resins Synthetic Rubber Noncellulosic Organic Fibers Nitrogenous Fertilizers Pharmaceutical Preparation Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products Nonmetallic Mineral Products Flat Glass Other Pressed and Blown Glass and Glassware Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool Primary Metals Iron and Steel Mills	20.5 0.0 0.0 X 14.4 47.1 X 1.2 2.1 0.0 45.7 X 0.0 57.8 66.1 X X 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	24.3 X X 14.4 57.7 X 2.4 3.3 0.0 70.0 X X X X X X X X X X X 0.0 70.0 X X X X X X X 0.0 70.0 X X X X X X X X X X X X X	41.1 0.0 X X 73.8 73.8 X 0.0 0.0 0.0 47.2 X 0.0 66.1 66.1 66.1 66.1 66.1 66.1 X X 0.0 0.0 0.0 0.0 0.0 0.0 0.	x x x x x x x x x x x x x x x x x x x	32.5 X X 50.0 57.7 X 2.4 3.3 0.0 70.0 X X X X X X X X X X X X X	22.9 X X X 14.7 64.4 X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
331112 3312 3313	Electrometallurgical Ferroalloy Products Steel Products from Purchased Steel Alumina and Aluminum	X X 0.0	X X 0.0	X X X	X X X	X X 0.0	x x x	x x x	X X X	X X X	X X X

331314 331315 331316 3314 3315 331511 331524 332 333 334 334413 335 336 336111 336112 33641 336411 337	Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Aluminum Extruded Products Nonferrous Metals, except Aluminum Foundries Iron Foundries Aluminum Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery Computer and Electronic Products Semiconductors and Related Devices Electrical Equip., Appliances, and Components Transportation Equipment Automobiles Light Trucks and Utility Vehicles Aerospace Product and Parts Aircraft Furniture and Related Products	0.0 X 0.0 92.5 0.0 ¥ 95.2 0.0 97.4 41.1 0.0 X 0.2 X X X 0.2 X 88.6	X X 0.0 0.0 X X X X Y 77.4 40.3 X X 0.0 X X 0.0 X X 98.8	X X 0.0 95.2 X 95.2 0.0 X 51.8 0.0 X 0.7 X 0.6 X 98.8	x x x x x x x x x x x x x x x x x x x	X X 0.0 0.0 X X X X 40.3 X X 0.0 X X 0.0 X X X	X X X X X X X X X X X X X X X X 28.8	× × × × × × × × × × × × × × × ×	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	× × × × × × × × × × × × × × × × × × ×
339	Miscellaneous Total	97.4 7.0	97.4 13.8	99.2 2.9	X 0.0	X 14.4	97.4 38.8	X 0.0	X 0.0	X 0.0	x x
	Mid	west Census Region									
311	Food	47.7	57.8	44.6	х	61.3	81.7	х	95.9	х	х
3112	Grain and Oilseed Milling	25.3	27.5	46.0	х	27.5	х	х	х	х	х
311221 31131	Wet Corn Milling	X	X 0.0	X	X X	X 0.0	X 0.0	X X	X X	X X	X X
31131	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods	0.0 0.0	0.0 X	0.0 X	x	0.0 X	0.0 X	x	x	x	x
3115	Dairy Products	64.8	95.9	0.0	х	х	95.9	х	95.9	Х	х
3116	Animal Slaughtering and Processing	31.9	27.4	81.5	x	27.4	X	x	X	X	X
312 3121	Beverage and Tobacco Products Beverages	0.0 0.0	0.0 0.0	X X	X X	0.0 0.0	X X	X X	X X	X X	X X
3122	Tobacco	X	X	x	x	X	x	x	x	x	x
313	Textile Mills	Х	х	х	х	х	Х	х	Х	Х	х
314	Textile Product Mills	X	x	x	x	x	X	x	X	X	x
315 316	Apparel Leather and Allied Products	X X	X X	X X	X X	X X	X X	X X	X X	X X	X X
321	Wood Products	44.8	x	44.9	x	x	x	x	x	x	x
321113	Sawmills	Х	х	х	х	х	х	х	х	х	х
3212	Veneer, Plywood, and Engineered Woods	44.9	x	44.9	x	X	X	x	X	X	X
3219 322	Other Wood Products Paper	96.2 0.0	X 0.0	X 0.0	X 0.0	X 0.0	X 0.0	X 0.0	X X	X X	X 0.0
322110	Pulp Mills	X	X	X	X	X	0.0 X	X	x	x	0.0 X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	х	х	0.0
322122	Newsprint Mills	Х	Х	Х	х	Х	x	x	х	х	X
322130 323	Paperboard Mills Printing and Related Support	0.0 X	0.0 X	0.0 X	X X	0.0 X	X X	X X	X X	X X	X X
324	Petroleum and Coal Products	10.3	0.0	0.0	x	0.0	x	x	x	x	x
324110	Petroleum Refineries	0.0	0.0	0.0	х	0.0	Х	х	Х	Х	х
324199	Other Petroleum and Coal Products	X	x	x	x	X	X	X	X	X	X
325 325110	Chemicals Petrochemicals	0.0 X	0.0 X	X X	X X	0.0 X	0.0 X	X X	X X	X X	X X
325120	Industrial Gases	x	x	x	x	x	x	x	x	x	x
325181	Alkalies and Chlorine	Х	х	х	х	Х	Х	х	Х	Х	х
325182	Carbon Black	X	X	x	x	X	X	x	X	X	X
325188 325192	Other Basic Inorganic Chemicals Cyclic Crudes and Intermediates	0.0 0.0	0.0 0.0	X X	X X	0.0 X	X 0.0	X X	X X	X X	X X
325193	Ethyl Alcohol	X	x	x	x	X	X	x	X	X	X
325199	Other Basic Organic Chemicals	Х	х	х	Х	х	X	х	X	Х	х
325211 325212	Plastics Materials and Resins Synthetic Rubber	X X	X X	X X	X X	X X	X X	X X	X X	X X	X X
325222	Noncellulosic Organic Fibers	x	x	x	x	x	x	x	x	x	x
325311	Nitrogenous Fertilizers	Х	х	Х	х	х	х	х	х	х	х
325312	Phosphatic Fertilizers	X	x	x	x	x	X	x	X	х	X
3254 325412	Pharmaceuticals and Medicines Pharmaceutical Preparation	X X	X X	X X	X X	X X	X X	X X	X X	X X	X X
325992	Photographic Film, Paper, Plate, and Chemicals	x	x	x	x	x	x	x	x	x	x
326	Plastics and Rubber Products	Х	х	х	х	х	х	х	х	Х	х
327	Nonmetallic Mineral Products	X	x	x	x	x	X	x	X	X	X
327211 327212	Flat Glass Other Pressed and Blown Glass and Glassware	X X	X X	X X	X X	X X	X X	X X	X X	X X	X X
327212	Glass Containers	x	x	x	x	x	x	x	x	x	x
327215	Glass Products from Purchased Glass	Х	Х	х	х	Х	Х	х	Х	Х	Х
327310	Cements	X	x	x	x	x	X	x	X	X	X
327410 327420	Lime Gypsum	X X	X X	X X	X X	X X	X X	X X	X X	X X	X X
327993	Mineral Wool	x	x	x	x	x	x	x	x	x	x

331111 33112 3312 3313 331314 331314 331316 3314 3315 331521 331521 331521 331524 332 333 334 334 335 336 336 336111 336112 3364 336411 337 339	Primary Metals Iron and Steel Mills Electrometallurgical Ferroalloy Products Steel Products from Purchased Steel Alumina and Aluminum Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Aluminum Sheet, Plate and Foils Aluminum Extruded Products Nonferrous Metals, except Aluminum Foundries Iron Foundries Aluminum Die-Casting Foundries Aluminum Die-Casting Foundries Aluminum Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery Computer and Electronic Products Semiconductors and Related Devices Electrical Equip., Appliances, and Components Transportation Equipment Automobiles Light Trucks and Utility Vehicles Aerospace Product and Parts Aircraft Furniture and Related Products Miscellaneous Total	0.0 0.0 X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	0.0 0.0 X X X X X X X X X X X X X X X Y 97.3 0.0 X X X X X X X 7.7	× × × × × × × × × × × × × × × × × × ×	X X X X X X X X X X X X X X X X 56.4 X X 0.0 X X 82.7 37.9	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
	So	outh Census Region									
3112 311221 31131 3114 3115 3116 312 3121 3122 313 314 315 316 321 32113 3212 32113 3212 32113 3212 322121 322122 322120 3224 324110 3224120 3254 325182 32512 32512 32512 32512 32512 32512 325222 325212 325222 325212 325222 325312 32542	Food Grain and Oilseed Milling Wet Corn Milling Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills, except Newsprint Newsprint Mills Paper total Refineries Other Petroleum and Coal Products Chemicals Petroleum Refineries Other Petroleum and Coal Products Chemicals Petroleum Refineries Other Petroleum and Coal Products Chemicals Petroleum Refineries Other Basic Inorganic Chemicals Cyclic Crudes and Intermediates Ethyl Alcohol Other Basic Organic Chemicals Plastics Materials and Resins Synthetic Rubber Noncellulosic Organic Fibers Nitrogenous Fertilizers Phosphatic Fertilizers Pharmaceutical Preparation Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products Nonmetallic Mineral Products Flat Glass Other Pressed and Blown Glass and Glassware Glass Containers	8.6 39.6 X 0.0 0.0 X 33.2 0.0 0.0 39.6 60.2 84.0 X 87.4 0.0 97.6 0.0 97.6 0.0 97.6 0.0 0.0 X 0.0 X 0.0 X 0.0 39.6 60.2 84.0 X 87.4 0.0 0.0 97.6 0.0 0.0 0.0 0.0 97.6 0.0 0.0 0.0 0.0 97.6 0.0 0.0 0.0 0.0 97.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	49.3 24.3 X X X 50.2 0.0 0.0 45.4 28.9 X 97.6 0.0 0.0 0.0 X 97.6 0.0 0.0 0.0 0.0 X 97.6 0.0 0.0 0.0 X 0.0 0.0 X 0.0 0.0 X 0.0 0.0	35.2 X X X 37.5 0.0 0.0 82.0 83.6 X X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0	X X X X X X X X X X X X X X X X X X X	56.7 24.3 X X X X X X 78.1 0.0 0.0 45.4 29.9 X X X X X X X X X X X 0.0 0.0	X X X X X X X X X 0.0 X 78.4 X 97.6 0.0 0.0 X 97.6 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X 0.0 X X 0.0 X X 0.0 X X 0.0 X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	95.1 X X X 95.1 X X 97.6 0.0 X 97.6 0.0 X 0.0 X 0.0 X X X X X X X X X X X X X

327215	Glass Products from Purchased Glass	х	х	х	х	х	х	х	х	х	х
327310	Cements	0.5	0.5	Х	85.6	0.5	Х	0.0	85.6	Х	х
327410	Lime	Х	Х	Х	Х	х	Х	Х	х	Х	х
327420	Gypsum	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
327993	Mineral Wool	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
331	Primary Metals	0.0	0.0	0.0	Х	0.0	Х	Х	Х	Х	Х
331111	Iron and Steel Mills	0.0	0.0	0.0	Х	0.0	Х	Х	Х	Х	х
331112	Electrometallurgical Ferroalloy Products	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
3312	Steel Products from Purchased Steel	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
3313	Alumina and Aluminum	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331314	Secondary Smelting and Alloying of Aluminum	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
331315	Aluminum Sheet, Plate and Foils	Х	Х	Х	х	х	Х	х	х	Х	х
331316	Aluminum Extruded Products	X	X	X	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	х	Х	х	Х	х	Х	х	х	х	х
3315	Foundries	X	X	x	x	x	x	x	x	x	x
331511	Iron Foundries	X	x	x	x	x	x	x	x	x	x
331521	Aluminum Die-Casting Foundries	X	x	x	x	x	x	x	x	x	x
331524	Aluminum Foundries, except Die-Casting	x	x	x	x	x	x	x	x	x	x
332	Fabricated Metal Products	98.7	x	99.0	x	x	x	x	x	x	x
333	Machinery	30.7 X	x	X	x	x	x	x	x	x	x
	-	x	x	x	x	x	x	x	x	x	X
334	Computer and Electronic Products	x			x						
334413	Semiconductors and Related Devices		X	X		X	X	X	X	x	X
335	Electrical Equip., Appliances, and Components	X	X	X	x	X	X	X	X	x	X
336	Transportation Equipment	0.0	0.0	0.0	X	0.0	X	X	X	x	X
336111	Automobiles	0.0	0.0	0.0	Х	0.0	Х	Х	Х	Х	х
336112	Light Trucks and Utility Vehicles	0.0	0.0	Х	Х	0.0	Х	Х	Х	х	х
3364	Aerospace Product and Parts	0.0	Х	0.0	Х	Х	Х	Х	Х	х	х
336411	Aircraft	0.0	Х	0.0	Х	Х	Х	Х	Х	Х	Х
337	Furniture and Related Products	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
339	Miscellaneous	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Total	2.6	6.1	5.8	16.2	5.6	16.0	0.0	85.6	Х	47.7
	We	ot Conque Bagien									
	we	est Census Region									
311	Food	48.4	48.4	Х	Х	48.4	Х	Х	62.9	Х	Х
3112	Grain and Oilseed Milling	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
311221	Wet Corn Milling	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
31131	Sugar Manufacturing	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
00.											
3114	Fruit and Vegetable Preserving and Specialty Foods	48.4	48.4	Х	Х	48.4	Х	Х	62.9	Х	Х
	5	48.4 X	48.4 X	X X	X X	48.4 X	X X	x x	62.9 X	X X	X X
3114	Fruit and Vegetable Preserving and Specialty Foods Dairy Products										
3114 3115 3116	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing	Х	х	х	x x	Х	х	х	х	х	x x
3114 3115 3116 312	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products	X X	X X X	X X X	X X X	x x x	X X X	X X X	x x	X X X	x x x
3114 3115 3116 312 3121	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages	x x x	x x x x	x x x x	x x x x	x x x x	X X X X	X X X X	x x x x	X X X X	X X X X
3114 3115 3116 312 3121 3122	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco	X X X X	X X X	X X X	X X X	x x x	X X X X X	X X X X X	x x x	X X X	X X X X X
3114 3115 3116 312 3121 3122 3122 313	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills	X X X X X X	× × × × × ×	× × × × ×	× × × × × ×	X X X X X X	X X X X X X	X X X X X X	X X X X X X	× × × × × ×	X X X X X X
3114 3115 3116 312 3121 3122 3122 313 314	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills	X X X X X X X	X X X X X X	X X X X X X X	X X X X X X	X X X X X X X	X X X X X X X	X X X X X X X	X X X X X X X	X X X X X X X	× × × × × × ×
3114 3115 3116 312 3121 3122 313 313 314 315	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel	X X X X X X X X	× × × × × × ×	X X X X X X X X	× × × × × × ×	X X X X X X X X	× × × × × × × ×	× × × × × × ×	X X X X X X X X	× × × × × × ×	X X X X X X X X
3114 3115 3116 312 3121 3122 313 314 315 316	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products	X X X X X X X X X	× × × × × × × ×	X X X X X X X X X	× × × × × × × × ×	X X X X X X X X X	× × × × × × × ×	x x x x x x x x x	X X X X X X X X X	× × × × × × × ×	X X X X X X X X X
3114 3115 3116 312 3121 3122 313 314 314 315 316 321	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products	X X X X X X X 0.1	X X X X X X X X 0.0	X X X X X X X 0.0	X X X X X X X X X X	X X X X X X X 0.0	× × × × × × × × ×	× × × × × × × × ×	× × × × × × × × ×	× × × × × × × × ×	X X X X X X X X X X X X
3114 3115 3116 312 3121 3122 313 314 315 316 321 321113	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills	X X X X X X X 0.1 0.0	X X X X X X X X 0.0 X	X X X X X X X 0.0 0.0	X X X X X X X X X X X	X X X X X X X X 0.0 X	× × × × × × × × × × ×	× × × × × × × × × ×	× × × × × × × × × ×	× × × × × × × × × ×	× × × × × × × × × ×
3114 3115 3116 312 3121 3122 313 314 315 316 321 321113 3212	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods	X X X X X X X 0.1 0.0 X	X X X X X X X X 0.0 X X	X X X X X X X 0.0 0.0 X	X X X X X X X X X X X X X	× × × × × × × × × × × × × ×	× × × × × × × × × × × ×	× × × × × × × × × × ×	× × × × × × × × × × ×	× × × × × × × × × ×	× × × × × × × × ×
3114 3115 3116 312 3121 3122 313 314 315 316 321 321113 3212 3219	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products	X X X X X X X X 0.1 0.0 X 97.6	X X X X X X X X 0.0 X X X X	X X X X X X 0.0 0.0 0.0 X X	X X X X X X X X X X X X X X	× × × × × × × × × × × × × × ×	× × × × × × × × × × × × ×	× × × × × × × × × × × ×	× × × × × × × × × ×	× × × × × × × × × ×	× × × × × × × × ×
3114 3115 3116 312 3121 3122 313 314 315 316 321 321113 3212 3219 322	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper	X X X X X X X X 0.1 0.0 X 97.6 0.0	X X X X X X X X 0.0 X X X 0.0	X X X X X X X X 0.0 0.0 0.0 X 0.0	X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 X X 0.0	X X X X X X X X X X X X X X	× × × × × × × × × × × × ×	X X X X X X X X X X X X 0.0	× × × × × × × × × × ×	X X X X X X X X X X X X 0.0
3114 3115 3116 312 3121 3122 313 314 315 316 321 32113 3212 3219 322 32210	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverages and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills	X X X X X X X X X 0.1 0.0 X 97.6 0.0 0.0	X X X X X X X X X 0.0 X X X X 0.0 0.0	X X X X X X X X 0.0 0.0 X X 0.0 X	X X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 0.0 0.0	X X X X X X X X X X X X X X X	× × × × × × × × × × × × × ×	X X X X X X X X X X X 0.0 0.0	× × × × × × × × × × × × ×	X X X X X X X X X X X X 0.0 0.0
3114 3115 3116 312 3121 3122 313 314 315 316 321 3211 3212 3219 322 322110 322121	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint	X X X X X X X X X 0.1 0.0 X 97.6 0.0 0.0 0.0	X X X X X X X X X 0.0 0.0 0.0	X X X X X X X X 0.0 0.0 X X 0.0 X 0.0	X X X X X X X X X X X X X X X X	X X X X X X X X X X 0.0 0 0.0 0.0	X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	× × × × × × × × × × × × ×	X X X X X X X X X X X X X 0.0 0.0
3114 3115 3116 312 3121 3122 313 313 314 321 3211 3212 3221 3221	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills	X X X X X X X X X X 0.1 0.0 0.0 0.0 0.0 0.0	X X X X X X X X 0.0 X X X 0.0 0.0 0.0 X	X X X X X X X 0.0 0.0 X X 0.0 X X	X X X X X X X X X X X X X X X X X X	X X X X X X X X X X 0.0 0.0 0.0 X	× × × × × × × × × × × × × × × ×	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X 0.0 0.0 X X	× × × × × × × × × × × × ×	X X X X X X X X X X X X X 0.0 0.0 0.0 X
3114 3115 3116 312 3121 3121 3123 313 314 315 321 32113 3219 32219 322110 322121 322121 322121 322121 322121	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Oad Mills	X X X X X X X X X X 0.1 0.0 X 97.6 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X 0.0 0.0 0.0 0.0 0.	X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 0.0	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X 0.0 X X 0.0 0.0 0.0	× × × × × × × × × × × × × × × × × × ×	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	× × × × × × × × × × × × × × × ×	X X X X X X X X X X X X X X X X X X X
3114 3115 3116 312 3121 3123 313 313 314 315 316 321 32113 3212 3219 32212 32210 322121 322122 322122 322130 3223	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperobard Mills Printing and Related Support	X X X X X X X X X X 0.1 0.0 X 97.6 0.0 0.0 0.0 0.0 X	X X X X X X X X X X X X X 0.0 0.0 0.0 0.	X X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	× × × × × × × × × × × × × × × ×	X X X X X X X X X X X X X X X X X X X
3114 3115 3116 312 3121 3122 313 314 315 316 321 3219 322 32219 3221 322110 322121 322122 322130 323 323	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills, except Newsprint Newsprint Mills Papertoard Mills Printing and Related Support Petroleum and Coal Products	X X X X X X X X X X 0.1 0.0 X 97.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	X X X X X X X X X X 0.0 0.0 0.0 0.0 X 18.4	X X X X X X X X 0.0 0.0 X X 0.0 X 0.0 X 0.0 X 0.0	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 0.0 0.0 0.0 X 0.0 X 0.0	X X X X X X X X X X X X X X X X X X 26.9	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X 0.0 0.0 X X X 0.0	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X 0.0 0.0 0.
3114 3115 3116 312 3121 3122 313 314 315 321 321 32113 3219 322 322110 322121 322122 322110 322122 322130 323 323 324 324110	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Patoreum Schemers	X X X X X X X X X X X 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X 0.0 0.0 0.0 0.0 0.0 0.	X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0 0.0	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 X 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X 26.9 0.0	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X 0.0 0.0 X X X 0.0 0.0	× × × × × × × × × × × × × × × × × × ×	X X X X X X X X X X X X X X 0.0 0.0 0.0
3114 3115 3116 312 3121 3122 313 313 314 315 321 32113 3212 3221 32212 32210 322121 322121 322122 322130 3223 324 324110 324199	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverages and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills Paper Mills Printing and Related Support Petroleum Refineries Other Petroleum and Coal Products	X X X X X X X X X X X 37.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 12.5 0.0 X	X X X X X X X X X X X X X 0.0 0.0 0.0 0.	X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X 0.0 0.0 0.0 0.	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X 0.0 0.0 X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X 0.0 0.0
3114 3115 3116 312 3121 3122 313 314 315 316 321 3211 3212 3219 322 32219 32210 32210 322121 322122 322130 322121 322122 323 324 324110 324199 325	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverages and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills Paper Mills Paper Julis Paper Mills Paper Julis Paper Mills Paper Mills Paper Mills Paper Dills Printing and Related Support Petroleum Refineries Other Petroleum and Coal Products Chemicals	X X X X X X X X X X X 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X 0.0 0.0 0.0 0.0	X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 0.0	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X 0.0 0.0 0.0 X 0.0 0.0	X X X X X X X X X X X X X X X X 26.9 0.0 X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X 0.0 0.0 X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X 0.0 0.0 0.0 X X X X
3114 3115 3116 312 3121 3122 313 313 314 315 321 32113 3219 3221 322110 322122 322110 322122 322130 323 323 324 324110 324199 325 325	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Alied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Chemicals Petrochemicals	X X X X X X X X X X X X X X 0.1 0.0 X 97.6 0.0 0.0 0.0 0.0 0.0 0.0 X 12.5 0.0 X X	X X X X X X X X X 0.0 X X 0.0 0.0 0.0 0.	X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 0.0 0.0 0.0 0.	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X 0.0 0.0 X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X 0.0 0.0 0.0 X X X X
3114 3115 3116 312 3121 3123 313 314 315 321 32113 3219 322 322110 32212 322110 322122 322130 3223 324 324110 324199 325 325110	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Detroleum Refineries Other Petroleum and Coal Products Chemicals Petrochemicals Industrial Gases	X X X X X X X X X X X 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X X 0.0 X X 0.0 X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 0.0 0.0 0.0 X 0.0 X X X X	X X X X X X X X X X X X X X X X X X 26.9 0.0 X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X 0.0 0.0 X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X 0.0 0.0 0.
3114 3115 3116 312 3121 3122 313 314 315 316 321 3213 3212 3219 3221 32219 3221 3221	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills Paper Mills Paper Dills Paper Dills Paper Dills Paper Dills Paper Dills Paper Doard Mills Printing and Related Support Petroleum Refineries Other Petroleum and Coal Products Chemicals Petrochemicals Industrial Gases Alkalies and Chlorine	X X X X X X X X X X X 37.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 12.5 0.0 X 0.0 X X X X X X X	X X X X X X X X X X X X X 0.0 0.0 0.0 X 18.4 0.0 X X X X X X X X X X	X X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 0.0 0.0 X 0.0 0.0	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X 0.0 0.0 X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X
3114 3115 3116 312 3121 3122 313 314 315 314 321 3211 3212 3221 3221 32213 3221 322110 32212 32210 32210 32210 323 324 324110 324199 325 325 325110 325120 325120 325120 325120	Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills, except Newsprint Newsprint Mills Paper Mills, except Newsprint Newsprint Mills Paper Dills Petroleum and Coal Products Petroleum and Coal Products Chemicals Petrochemicals Industrial Gases Alkalies and Chlorine Carbon Black	X X X X X X X X X X X 0.1 0.0 X 97.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	X X X X X X X X X 0.0 X X 0.0 0.0 X 0.0 0.0	X X X X X X X X 0.0 0.0 X 0.0 X 0.0 X 0.0 X 0.0 X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X 0.0 0.0 X X 0.0 0.0	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X 0.0 0.0 X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X
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326	Plastics and Rubber Products	Х	х	Х	Х	Х	Х	Х	Х	Х	х
327	Nonmetallic Mineral Products	0.0	0.0	х	Х	0.0	0.0	х	Х	Х	х
327211	Flat Glass	0.0	0.0	Х	Х	Х	0.0	Х	Х	Х	Х
327212	Other Pressed and Blown Glass and Glassware	Х	х	Х	Х	Х	Х	Х	х	Х	х
327213	Glass Containers	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
327215	Glass Products from Purchased Glass	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
327310	Cements	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
327410	Lime	0.0	0.0	Х	Х	0.0	Х	Х	Х	Х	Х
327420	Gypsum	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
327993	Mineral Wool	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331	Primary Metals	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331111	Iron and Steel Mills	Х	х	Х	Х	Х	Х	Х	Х	Х	Х
331112	Electrometallurgical Ferroalloy Products	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
3312	Steel Products from Purchased Steel	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
3313	Alumina and Aluminum	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331314	Secondary Smelting and Alloying of Aluminum	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331315	Aluminum Sheet, Plate and Foils	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331316	Aluminum Extruded Products	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
3314	Nonferrous Metals, except Aluminum	Х	х	Х	Х	Х	Х	Х	Х	Х	х
3315	Foundries	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331511	Iron Foundries	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
331521	Aluminum Die-Casting Foundries	Х	х	Х	Х	Х	Х	Х	Х	Х	х
331524	Aluminum Foundries, except Die-Casting	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
332	Fabricated Metal Products	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
333	Machinery	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
334	Computer and Electronic Products	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
334413	Semiconductors and Related Devices	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
335	Electrical Equip., Appliances, and Components	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
336	Transportation Equipment	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
336111	Automobiles	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
336112	Light Trucks and Utility Vehicles	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
3364	Aerospace Product and Parts	Х	х	Х	Х	Х	Х	Х	Х	Х	х
336411	Aircraft	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
337	Furniture and Related Products	Х	х	х	Х	х	Х	х	Х	Х	Х
339	Miscellaneous	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Total	5.6	8.7	0.0	х	6.3	13.4	х	17.8	Х	0.0
	Economic Characteristic (f)										
	Value of Shipments and Receipts										
	(million dollars)										
	Under 20	26.7	36.4	25.2	84.1	48.7	37.3	х	84.1	х	64.2
	20-49	12.1	21.0	14.4	0.0	13.4	46.9	0.0	53.4	0.0	X
	50-99	9.1	13.8	2.9	X	10.9	44.7	0.0	X	X	0.0

100-249	7.9	3.5	12.9	0.0	4.9	0.3	0.0	0.0	х	0.0
250-499	2.3	7.3	0.0	Х	8.8	3.1	0.0	Х	Х	Х
500 and Over	2.3	7.7	0.2	0.0	10.8	1.5	0.0	0.0	Х	0.0
Total	3.1	7.8	3.2	0.1	9.4	14.3	0.0	15.9	0.0	35.6
Employment Size										
Under 50	30.5	39.3	17.7	84.1	30.0	49.0	Х	87.0	Х	89.9
50-99	28.7	43.7	21.3	Х	48.4	9.3	0.0	Х	0.0	88.2
100-249	6.0	8.8	6.5	0.0	4.4	25.4	0.0	18.1	Х	0.0
250-499	5.1	7.7	10.2	0.0	10.8	0.7	0.0	0.0	Х	0.0
500-999	0.8	2.0	0.3	0.0	3.0	2.2	0.0	0.0	Х	Х
1000 and Over	3.5	17.3	1.2	0.0	17.6	19.1	0.0	Х	Х	0.0
Total	3.1	7.8	3.2	0.1	9.4	14.3	0.0	15.9	0.0	35.6

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

(b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for residual fuel oil during 2006. The quantities are expressed in thousands of barrels, and therefore represent the quantity of residual fuel oil that could have been displaced by the given alternative type of energy.

(c) 'Total Consumed' represents those quantities (Total Inputs) of residual fuel oil that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(d) 'Electricity Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

 (e) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of residual fuel oil.
 (f) Value of Shipments and Receipts and Employment Size categories were

supplied by the Bureau of the Census.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments. Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2006 Annual Survey of Manufacturers.'