Released: August 2025

Next MECS will be fielded in 2027

Table 3.2 Fuel consumption, 2022

Level: National and regional data

Row: NAICS codes Column: Energy sources

Unit: Trillion British thermal units

NAICS			Net	Residual	Distillate	Natural	HGL (excluding		Coke	
code ^a	Subsector and industry	Total	electricity ^b	fuel oil	fuel oil ^c	gas ^d	natural gasoline) ^e	Coal	and breeze	Other ^f
		Total United Sta	ates							
311	Food	1,235	271	*	14	704	8	93	1	142
3112	Grain and Oilseed Milling	338	60	*	1	170	*	67	0	40
311221	Wet Corn Milling and Starch Manufacturing	169	27	0	*	69	*	40	0	32
31131	Sugar Manufacturing	167	5	*	*	39	*	26	1	94
3114	Fruit and Vegetable Preserving and Specialty Food	121	31	*	*	88	1	0	0	1
3115	Dairy Product Manufacturing	171	45	*	2	118	Q	0	0	Q
3116	Animal Slaughtering and Processing	246	76	*	3	163	2	0	0	2
312	Beverage and Tobacco Products	265	51	0	*	212	1	1	0	*
3121	Beverages	258	48	0	*	Q	1	1	0	*
3122	Tobacco	7	2	0	*	4	*	0	0	*
313	Textile Mills	57	30	0	*	24	*	*	0	2
314	Textile Product Mills	21	10	0	*	10	Q	0	0	*
315	Apparel	3	2	0	*	1	*	0	0	*
316	Leather and Allied Products	3	1	0	*	2	*	0	0	*
321	Wood Products	414	69	*	11	80	3	*	0	251
321113	Sawmills	199	27	*	7	18	*	0	0	147
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	144	19	*	1	37	1	0	0	85
321219	Reconstituted Wood Products	72	10	*	*	22	*	0	0	40
3219	Other Wood Products	62	21	0	1	21	1	*	0	17
322	Paper	2,003	170	8	4	617	3	32	0	1,170
322110	Pulp Mills	345	5	1	1	55	*	2	0	281
322120	Paper Mills	475	55	2	1	188	*	14	0	214
322130	Paperboard Mills	986	61	3	2	279	*	13	0	629
323	Printing and Related Support	53	31	*	*	21	*	0	0	*
324	Petroleum and Coal Products	3,543	160	2	7	1,109	29	7	7	2,223
324110	Petroleum Refineries	3,314	150	*	3	1,021	27	0	0	2,112
324121	Asphalt Paving Mixture and Block	119	5	2	4	53	1	0	0	54
324122	Asphalt Shingle and Coating Materials	16	3	0	*	11	*	0	0	2
324191	Petroleum Lubricating Oil and Grease Manufacturing	16	2	0	*	13	*	0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	79	-1	0	*	10	*	7	7	55
325	Chemicals	3,976	512	*	8	2,585	16	63	0	791
325110	Petrochemicals	746	27	0	*	405	4	0	0	309
325120	Industrial Gases	190	91	0	*	94	*	0	0	6

325180	Other Basic Inorganic Chemical Manufacturing	401	88	0	*	215	* 2	4 0	, .	74
325193	Ethyl Alcohol	470	37	0	*	382	 * 2	0 0) :	31
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	102	16	0	1	39	5	0 0) ,	40
325199	All Other Basic Organic Chemical Manufacturing	509	64	*	1	310	* 1	7 0) 1	17
325211	Plastics Materials and Resins	683	41	0	1	502	4	0 0) 1	36
325212	Synthetic Rubber	46	4	0	*	27	*	2 0) :	13
325220	Artificial and Synthetic Fibers and Filaments	25	8	0	*	17	*	0 0	J	*
325311	Nitrogenous Fertilizers	215	D	0	*	196	*	0 0	j	D
325312	Phosphatic Fertilizers	18	10	*	3	3	*	1 0	j	1
3254	Pharmaceuticals and Medicines	120	46	0	*	70	*	* 0	j	3
325412	Pharmaceutical Preparation	62	22	0	*	38	*	0 0	J	1
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	7	2	0	*	3	*	0 0	j	2
326	Plastics and Rubber Products	357	241	*	*	106	4	0 0	j	Q
327	Nonmetallic Mineral Products	1,166	211	*	17	417	3 19	3 7	' 31	17
327120	Clay Building Material and Refractories	39	5	0	*	31	*	1 0	j	2
327211	Flat Glass	44	5	0	*	38	*	0 0	j	*
327212	Other Pressed and Blown Glass and Glassware	26	7	0	*	19	*	0 0	j	*
327213	Glass Containers	54	12	0	*	42	*	0 0	J	*
327215	Glass Products from Purchased Glass	Q	13	0	*	9	*	0 0	J	Q
327310	Cements	362	44	0	3	90	* 12	1 4	. 10	00
327410	Lime	103	5	0	1	26	* 5	6 2		13
327420	Gypsum	77	6	*	*	70	*	0 0	J	*
327993	Mineral Wool	47	14	0	*	32	*	* 1		*
331	Primary Metals	1,449	339	2	8	626	4	9 284	. 1 ⁻	77
331110	Iron and Steel Mills and Ferroalloys	1,032	186	2	4	389	*	9 268	1.	74
331110 3312	Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel	1,032 55	186 19	2 0	4 2	389 33	 	9 268 0 *	3 1	74 1
							 *		k	
3312	Steel Products from Purchased Steel	55	19	0	2	33	 *	0 *)	
3312 3313	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing	55 189	19 68	0	2	33 118	* 1 *	0 *))	
3312 3313 331314	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum	55 189 22	19 68 2	0 0 0	2 1 *	33 118 20	* 1 * *	0 * 0 0 0 0)))	
3312 3313 331314 331315	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils	55 189 22 84	19 68 2 21	0 0 0	2 1 *	33 118 20 62	* 1 * * *	0 * 0 0 0 0 0 0 0 0))))	
3312 3313 331314 331315 331318	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding	55 189 22 84 26	19 68 2 21 7	0 0 0 0	2 1 *	33 118 20 62 18	* 1 * * * 2	0 * 0 0 0 0 0 0 0 0 0 0))))	
3312 3313 331314 331315 331318 3314	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing	55 189 22 84 26 85	19 68 2 21 7 33	0 0 0 0	2 1 *	33 118 20 62 18 43	* 1 * * * 2	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 6)))))	
3312 3313 331314 331315 331318 3314 331410	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining	55 189 22 84 26 85 30	19 68 2 21 7 33 15	0 0 0 0 0	2 1 *	33 118 20 62 18 43	* * * * * * * * * * * * * * * * * * * *	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
3312 3313 331314 331315 331318 3314 331410 3315	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries	55 189 22 84 26 85 30 87	19 68 2 21 7 33 15 34	0 0 0 0 0 0	2 1 *	33 118 20 62 18 43 14 43	* 1	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 * 10		
3312 3313 331314 331315 331318 3314 331410 3315 331511	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries	55 189 22 84 26 85 30 87	19 68 2 21 7 33 15 34	0 0 0 0 0 0	2 1 *	33 118 20 62 18 43 14 43 11	* 1	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 10 * 10		
3312 3313 331314 331315 331318 3314 331410 3315 331511 331523	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal Die-Casting Foundries	55 189 22 84 26 85 30 87 38 23	19 68 2 21 7 33 15 34 16	0 0 0 0 0 0 0	2 1 *	33 118 20 62 18 43 14 43 11	* 1	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 * 10 * 10		
3312 3313 331314 331315 331318 3314 331410 3315 331511 331523 331524	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal Die-Casting Foundries Aluminum Foundries, except Die-Casting	55 189 22 84 26 85 30 87 38 23	19 68 2 21 7 33 15 34 16 7	0 0 0 0 0 0 0	2 1 * * * * * * * * * * *	33 118 20 62 18 43 14 43 11 16	* 1 * * * 2 * 1 * 4 4	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 * 10 * 10 0 0 0 0		
3312 3313 331314 331315 331318 3314 331410 3315 331511 331523 331524 332	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products	55 189 22 84 26 85 30 87 38 23 6	19 68 2 21 7 33 15 34 16 7 2	0 0 0 0 0 0 0 0	2 1 * 1 * * * * *	33 118 20 62 18 43 14 43 11 16 4 275	* 1 1 * * * 1 1 * * * * 1 1 * * * * 4 4	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 * 10 * 10 0 0 0 0 0 0		
3312 3313 331314 331315 331318 3314 331410 3315 331511 331523 331524 332 333	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery	55 189 22 84 26 85 30 87 38 23 6 425 143	19 68 2 21 7 33 15 34 16 7 2 143	0 0 0 0 0 0 0 0 0	2 1 * 1 * * * * * * * 2	33 118 20 62 18 43 14 43 11 16 4 275 60	* 1 1 * * * * 1 1 * * * 4 4 4 *	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 4 0 * 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
3312 3313 331314 331315 331318 3314 331410 3315 331511 331523 331524 332 333 334	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery Computer and Electronic Products	55 189 22 84 26 85 30 87 38 23 6 425 143 128	19 68 2 21 7 33 15 34 16 7 2 143 76	0 0 0 0 0 0 0 0 0	2 1 * 1 * * * * * * * 2	33 118 20 62 18 43 14 43 11 16 4 275 60 32	* 1	0 * 0 0 0 0 0 0 0 0 0 0 0 6 0 * 10 10 10 10 10 10 10 10 10 10 10 10 10 1		
3312 3313 331314 331315 331318 33140 3315 331511 331523 331524 332 333 334 334413	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery Computer and Electronic Products Semiconductors and Related Devices	55 189 22 84 26 85 30 87 38 23 6 425 143 128 66	19 68 2 21 7 33 15 34 16 7 2 143 76 95	0 0 0 0 0 0 0 0 0 0	2 1 * 1 * * * * 2 3 *	33 118 20 62 18 43 14 43 11 16 4 275 60 32	* 1	0 * 0 0 0 0 0 0 0 0 0 0 0 6 0 * 10 10 10 10 10 10 10 10 10 10 10 10 10 1		
3312 3313 331314 331315 331318 33140 3315 331511 331523 331524 332 333 334 334413 335	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal 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	55 189 22 84 26 85 30 87 38 23 6 425 143 128 66 87	19 68 2 21 7 33 15 34 16 7 2 143 76 95 47	0 0 0 0 0 0 0 0 0 0	2 1 * 1 * * * * 2 3 * Q	33 118 20 62 18 43 14 43 11 16 4 275 60 32 19 37	* * * * * * * * * * * * * * * * * * *	0 * 0 0 0 0 0 0 0 0 0 0 0 6 0 * 10 10 10 10 10 10 10 10 10 10 10 10 10 1		1 2 * * * * * * * * * *
3312 3313 331314 331318 331410 3315 331511 331523 331524 332 333 334 334413 335 336	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal 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	55 189 22 84 26 85 30 87 38 23 6 425 143 128 66 87 304	19 68 2 21 7 33 15 34 16 7 2 143 76 95 47 40 159	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 * 1 * * * * 2 3 *	33 118 20 62 18 43 14 43 11 16 4 275 60 32 19 37	* 1 * * * * * * 2 * * * 4 4 4 * * * * * *	0 * 0 0 0 0 0 0 0 0 0 0 0 6 0 * 10 10 10 10 10 10 10 10 10 10 10 10 10 1		1 2 * * * * * * * * * * *
3312 3313 331314 331315 331318 3314 331410 3315 331523 331524 332 333 334 334413 335 336 336110	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal 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 Automobile and Light Duty Motor Vehicle Manufacturing	55 189 22 84 26 85 30 87 38 23 6 425 143 128 66 87 304 77	19 68 2 21 7 33 15 34 16 7 2 143 76 95 47 40 159 27	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 * 1 * * * * 2 3 *	33 118 20 62 18 43 14 43 11 16 4 275 60 32 19 37 130	* 1 * * * * * * * * 4 4 4 * * * * * * *	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1 2 * * * * * * * * * * *
3312 3313 331314 331315 331318 3314 331410 3315 331521 331524 332 333 334 334413 335 336 336110 3364 336411 337	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal 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 Automobile and Light Duty Motor Vehicle Manufacturing Aerospace Product and Parts Aircraft Furniture and Related Products	55 189 22 84 26 85 30 87 38 23 6 425 143 128 66 87 304 77 62 18 51	19 68 2 21 7 33 15 34 16 7 2 143 76 95 47 40 159 27 33 9	0 0 0 0 0 0 0 0 0 0 0 *	2 1 * 1 * * * * 2 3 *	33 118 20 62 18 43 14 43 11 16 4 275 60 32 19 37 130 40 27 8	* 1 * * * * * * * * 4 4 4 * *	0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1 2 * * * * * * * * * * *
3312 3313 331314 331318 3314 331410 3315 331511 331523 331524 332 333 334 334413 335 336 336110 3364 336411	Steel Products from Purchased Steel Alumina and Aluminum Production and Processing Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Other Aluminum Rolling, Drawing and Extruding Nonferrous Metal (except Aluminum) Production and Processing Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal 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 Automobile and Light Duty Motor Vehicle Manufacturing Aerospace Product and Parts Aircraft	55 189 22 84 26 85 30 87 38 23 6 425 143 128 66 87 304 77 62	19 68 2 21 7 33 15 34 16 7 2 143 76 95 47 40 159 27 33 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 * 1 * * * * 2 3 *	33 118 20 62 18 43 14 43 11 16 4 275 60 32 19 37 130 40 27 8	* 1 * * * * * * * * 4 4 4 * *	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1 2 * * * * * * * * * * *

	Total	15,742	2,674	13	79	7,087	85	398	308	5,097
		Northeast Census	Region							
311	Food	78	25	*	Q	50	1	0	0	*
3112	Grain and Oilseed Milling	4	2	0	*	2	*	0	0	*
311221	Wet Corn Milling and Starch Manufacturing	0	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	2	1	0	0	2	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	9	3	*	*	5	*	0	0	*
3115	Dairy Product Manufacturing	21	6	*	*	15	*	0	0	*
3116	Animal Slaughtering and Processing	11	4	0	*	7	*	0	0	*
312	Beverage and Tobacco Products	16	6	0	*	10	*	0	0	*
3121	Beverages	15	6	0	*	9	*	0	0	*
3122	Tobacco	1	*	0	0	1	*	0	0	0
313	Textile Mills	6	2	0	*	3	*	0	0	*
314	Textile Product Mills	Q	*	0	0	Q	*	0	0	*
315	Apparel	1	*	0	*	*	*	0	0	0
316	Leather and Allied Products	*	*	0	*	*	*	0	0	*
321	Wood Products	42	5	*	1	5	*	*	0	31
321113	Sawmills	8	2	*	1	*	*	0	0	5
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	28	1	*	*	3	*	0	0	24
321219	Reconstituted Wood Products	15	*	*	*	3	*	0	0	12
3219	Other Wood Products	6	2	0	*	2	*	*	0	1
322	Paper	205	21	3	1	100	1	5	0	75
322110	Pulp Mills	D	*	0	0	4	*	0	0	D
322120	Paper Mills	123	9	2	*	59	*	2	0	51
322130	Paperboard Mills	18	4	0	*	14	*	0	0	1
323	Printing and Related Support	10	6	*	*	4	*	0	0	*
324	Petroleum and Coal Products	201	8	*	2	47	2	0	0	142
324110	Petroleum Refineries	123	6	*	*	33	2	0	0	81
324121	Asphalt Paving Mixture and Block	57	1	*	1	11	*	0	0	43
324122	Asphalt Shingle and Coating Materials	1	*	0	*	1	*	0	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	1	*	0	*	*	*	0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	19	*	0	*	2	*	0	0	17
325	Chemicals	164	65	*	Q	75	3	0	0	20
325110	Petrochemicals	3	1	0	*	0	2	0	0	0
325120	Industrial Gases	35	33	0	*	1	*	0	0	1
325180	Other Basic Inorganic Chemical Manufacturing	13	5	0	*	6	*	0	0	Q
325193	Ethyl Alcohol	3	*	0	0	3	*	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	*	*	0	0	*	*	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	34	5	*	*	26	*	0	0	2
325211	Plastics Materials and Resins	13	4	0	*	7	*	0	0	1
325212	Synthetic Rubber	*	*	0	0	*	*	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	*	0	0	*	*	0	0	*
325311	Nitrogenous Fertilizers	*	*	0	*	*	*	0	0	0
325312	Phosphatic Fertilizers	*	*	0	*	0	*	0	0	0
3254	Pharmaceuticals and Medicines	30	11	0	*	19	*	0	0	*
325412	Pharmaceutical Preparation	13	5	0		8		0	0	*

325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	4	1	0	*	1	*	0	0	2
326	Plastics and Rubber Products	66	25	*	*	37	*	0	0	Q
327	Nonmetallic Mineral Products	154	12	*	2	53	*	11	0	Q
327120	Clay Building Material and Refractories	5	1	0	*	2	*	1	0	*
327211	Flat Glass	6	1	0	0	5	*	0	0	0
327212	Other Pressed and Blown Glass and Glassware	4	1	0	*	3	*	0	0	*
327213	Glass Containers	7	2	0	*	6	*	0	0	*
327215	Glass Products from Purchased Glass	Q	1	0	*	1	*	0	0	Q
327310	Cements	27	3	0	*	17	*	3	0	3
327410	Lime	9	*	0	*	3	0	6	0	0
327420	Gypsum	11	1	*	*	10	*	0	0	0
327993	Mineral Wool	3	*	0	*	3	*	0	0	*
331	Primary Metals	170	36	0	*	68	*	*	22	43
331110	Iron and Steel Mills and Ferroalloys	116	14	0	*	38	*	*	21	43
3312	Steel Products from Purchased Steel	10	3	0	*	7	*	0	*	*
3313	Alumina and Aluminum Production and Processing	22	10	0	*	13	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	*	0	0	1	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	10	2	0	*	8	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	0	*	3	*	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	15	6	0	*	8	*	0	1	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	3	1	0	*	2	*	0	*	0
3315	Foundries	7	3	0	*	3	*	*	0	*
331511	Iron Foundries	2	1	0	*	1	*	*	0	*
331523	Nonferrous Metal Die-Casting Foundries	1	*	0	0	*	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	*	*	0	0	*
332	Fabricated Metal Products	62	23	*	*	38	*	0	0	*
333	Machinery	15	6	0	*	Q	Q	0	0	*
334	Computer and Electronic Products	23	15	*	*	8	*	0	0	*
334413	Semiconductors and Related Devices	14	8	*	*	5	*	0	0	*
335	Electrical Equip., Appliances, and Components	20	7	0	*	4	*	0	9	*
336	Transportation Equipment	28	12	0	*	14	Q	0	0	1
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	*	0	0	*	0	0	0	*
3364	Aerospace Product and Parts	10	3	0	*	6	*	0	0	1
336411	Aircraft	2	1	0	*	1	*	0	0	*
337	Furniture and Related Products	3	1	0	*	1	*	0	0	*
339	Miscellaneous	7	3	0	*	4	*	0	0	*
	Total	1,274	279	4	10	531	12	16	31	391
		Midwest Census Reg	gion							
311	Food	588	122	*	4	326	Q	90	1	41
3112	Grain and Oilseed Milling	282	45	*	1	134	*	66	0	35
311221	Wet Corn Milling and Starch Manufacturing	161	26	0	*	65	*	40	0	29
31131	Sugar Manufacturing	37	2	*	*	9	*	24	1	1
3114	Fruit and Vegetable Preserving and Specialty Food	31	9	0	*	21	*	0	0	*
3115	Dairy Product Manufacturing	66	18	*	1	42	Q	0	0	Q
3116	Animal Slaughtering and Processing	105	30	*	2	72	1	0	0	1
312	Beverage and Tobacco Products	22	10	0	*	12	*	0	0	*

3121	Beverages	22	10	0	*	12	:	• 0	0	*
3122	Tobacco	*	*	0	0	*	(0	0	0
313	Textile Mills	2	1	0	*	1		• 0	0	0
314	Textile Product Mills	3	1	0	0	2	:	٠ 0	0	0
315	Apparel	*	*	0	0	*	(0	0	0
316	Leather and Allied Products	2	*	0	*	Q		٠ 0	0	*
321	Wood Products	44	10	0	Q	15	:	. 0	0	17
321113	Sawmills	6	1	0	*	2		٠ 0	0	2
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	18	3	0	*	8		٠ 0	0	6
321219	Reconstituted Wood Products	14	2	0	*	6		٠ 0	0	6
3219	Other Wood Products	19	5	0	*	5	:	· 0	0	Q
322	Paper	248	39	*	*	118	:	4	0	87
322110	Pulp Mills	D	1	0	*	4	:	٠ 0	0	D
322120	Paper Mills	109	12	*	*	43		3	0	51
322130	Paperboard Mills	61	11	*	*	37		٠ 0	0	12
323	Printing and Related Support	24	13	0	0	11		٠ 0	0	*
324	Petroleum and Coal Products	601	35	*	2	164		0	7	389
324110	Petroleum Refineries	541	34	0	1	139		3 0	0	364
324121	Asphalt Paving Mixture and Block	24	1	*	1	16	:	· 0	0	6
324122	Asphalt Shingle and Coating Materials	6	1	0	*	3	:	· 0	0	2
324191	Petroleum Lubricating Oil and Grease Manufacturing	2	1	0	*	2	:	· 0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	27	-1	0	*	3	:	· 0	7	18
325	Chemicals	931	145	*	1	675		2 20	0	87
325110	Petrochemicals	*	*	0	0	0	:	· 0	0	0
325120	Industrial Gases	24	23	0	0	*	:	· 0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	32	7	0	*	19	:	٠ 0	0	6
325193	Ethyl Alcohol	446	35	0	*	361		20	0	30
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	7	1	0	*	2		٠ 0	0	3
325199	All Other Basic Organic Chemical Manufacturing	43	12	0	*	20		٠ 0	0	11
325211	Plastics Materials and Resins	83	11	0	*	38		٠ 0	0	33
325212	Synthetic Rubber	1	*	0	0	*		٠ 0	0	0
325220	Artificial and Synthetic Fibers and Filaments	1	*	0	0	*		٠ 0	0	0
325311	Nitrogenous Fertilizers	62	D	0	*	54	:	٠ 0	0	D
325312	Phosphatic Fertilizers	7	4	*	*	2		٠ 0	0	*
3254	Pharmaceuticals and Medicines	54	17	0	*	34		*	0	2
325412	Pharmaceutical Preparation	28	7	0	*	20		٠ 0	0	Q
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	*	0	*	*		٠ 0	0	0
326	Plastics and Rubber Products	134	102	*	*	32	(0	0	*
327	Nonmetallic Mineral Products	293	48	0	3	104	:		1	Q
327120	Clay Building Material and Refractories	7	1	0	*	6		٠ 0	0	*
327211	Flat Glass	16	2	0	*	14		٠ 0	0	0
327212	Other Pressed and Blown Glass and Glassware	8	1	0	*	6		0	0	*
327213	Glass Containers	15	3	0	*	12	:	· 0	0	*
327215	Glass Products from Purchased Glass	8	5	0	*	3	:	· 0	0	*
327310	Cements	82	11	0	1	12	:	· 28	*	29
327410	Lime	46	2	0	*	11		26	*	6
327420	Gypsum	12	1	0	*	11		0	0	*

327993	Mineral Wool	23	7	0	* 1	5 *	0	*	*
331	Primary Metals	851	120	*	3 33	8 3	4	256	129
331110	Iron and Steel Mills and Ferroalloys	698	70	*	2 24	.7 *	4	246	129
3312	Steel Products from Purchased Steel	20	7	0	* 1	2 *	0	0	*
3313	Alumina and Aluminum Production and Processing	56	16	0	* 3	9 *	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	9	1	0	*	8 *	0	0	*
331315	Aluminum Sheet, Plate and Foils	34	8	0	* 2	5 *	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	0	*	6 *	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	21	5	0	* 1	3 1	0	2	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1	*	0	*	1 *	0	0	*
3315	Foundries	57	21	0	* 2	*	0	8	*
331511	Iron Foundries	26	11	0		7 *	0	8	*
331523	Nonferrous Metal Die-Casting Foundries	15	4	0		.0 *	0	0	*
331524	Aluminum Foundries, except Die-Casting	4	1	0		3 *	0	0	*
332	Fabricated Metal Products	133	48	0		2 2	0	0	*
333	Machinery	80	41	0		6 1	0	0	*
334	Computer and Electronic Products	30	Q	0		5 *	0	0	*
334413	Semiconductors and Related Devices	3	2	0		1 *	0	0	*
335	Electrical Equip., Appliances, and Components	28	13	0		.4 *	0	0	*
336	Transportation Equipment	154	78	0		9 1	0	0	6
336110	Automobile and Light Duty Motor Vehicle Manufacturing	43	13	0		5 *	0	0	<u>-</u> 5
3364	Aerospace Product and Parts	17	8	0		8 *	0	0	1
336411	Aircraft	4	2	0		2 *	0	0	*
337	Furniture and Related Products	15	7	0		7 *	0	0	Q
339	Miscellaneous	29	16	0		4 *	0	0	*
333	Total	4,213	873	1	17 2,02		172	265	838
	10001		0/3			20		203	030
		South Census Ro	egion						
311	Food	385	79	*	3 20	1 2	*	0	100
3112	Grain and Oilseed Milling	47	11	*	* 3	0 *	*	0	5
311221	Wet Corn Milling and Starch Manufacturing	8	1	0	*	4 *	*	0	3
31131	Sugar Manufacturing	105	2	0	* 1	.0 *	0	0	93
3114	Fruit and Vegetable Preserving and Specialty Food	28	7	0	* 2	.0 *	0	0	*
3115	Dairy Product Manufacturing	38	7	0	1 3	0 *	0	0	*
3116	Animal Slaughtering and Processing	107	36	0	1 6	9 1	0	0	1
312	Beverage and Tobacco Products	Q	26	0	*	Q *	1	0	*
3121	Beverages	Q	23	0	*	Q *	1	0	*
3122	Tobacco	6	2	0	*	4 *	0	0	*
313	Textile Mills	47	26	0	* 1	9 *	*	0	2
314	Textile Product Mills	15	8	0		7 *	0	0	*
315	Apparel	2	1	0		1 *	0	0	*
316	Leather and Allied Products	*	*	0	*	* *	0	0	*
321	Wood Products	237	40	0	6 4	3 1	0	0	146
321113	Sawmills	126	17	0		2 *	0	0	93
321113	Veneer, Plywood, and Engineered Wood Product Manufacturing	75	10	0		9 *	0	0	45
321219	Reconstituted Wood Products	40	6	0		1 *	0	0	22
321213	Other Wood Products	29	11	0		Q *	0	0	7
3213	Cinci 11000 i loudelo					٧			<u>'</u> -

322	Paper	1,386	87	3	3	342		2 21	 0	927
322110	Pulp Mills	306	3	1	1	48		* 2	0	252
322120	Paper Mills	184	22	*	1	64		* 8	0	88
322130	Paperboard Mills	818	37	2	2	201		* 11	0	565
323	Printing and Related Support	14	9	0	*	5		* 0	0	0
324	Petroleum and Coal Products	1,917	96	1	3	605	1	3 0	0	1,199
324110	Petroleum Refineries	1,845	92	0	2	567	1	2 0	0	1,172
324121	Asphalt Paving Mixture and Block	29	2	1	1	19		* 0	0	6
324122	Asphalt Shingle and Coating Materials	7	1	0	*	6		* 0	0	*
324191	Petroleum Lubricating Oil and Grease Manufacturing	12	2	0	*	11		* 0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	24	*	0	*	3		* 0	0	20
325	Chemicals	2,725	263	0	6	1,762	1	1 20	0	663
325110	Petrochemicals	743	26	0	*	405		2 0	0	309
325120	Industrial Gases	112	24	0	*	82		* 0	0	5
325180	Other Basic Inorganic Chemical Manufacturing	302	64	0	*	174		* 0	0	64
325193	Ethyl Alcohol	12	1	0	*	11		* 0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	81	15	0	*	35		5 0	0	26
325199	All Other Basic Organic Chemical Manufacturing	402	45	0	1	243		* 17	 0	96
325211	Plastics Materials and Resins	585	24	0	1	455		4 O	 0	101
325212	Synthetic Rubber	45	4	0	*	26		* 2	0	13
325220	Artificial and Synthetic Fibers and Filaments	24	8	0	*	16		* 0	 0	*
325311	Nitrogenous Fertilizers	144	8	0	*	136		* 0	0	*
325312	Phosphatic Fertilizers	9	4	0	3	1		* 1	0	*
3254	Pharmaceuticals and Medicines	25	12	0	*	12		* 0	 0	*
325412	Pharmaceutical Preparation	14	7	0	*	7		* 0	 0	*
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	1	1	0	*	1		* 0	0	*
326	Plastics and Rubber Products	133	96	0	*	32	() 0	0	Q
327	Nonmetallic Mineral Products	438	111	0	10	185		1 61	3	67
327120	Clay Building Material and Refractories	26	3	0	*	20		* 0	0	2
327211	Flat Glass	17	2	0	*	14		* 0	0	*
327212	Other Pressed and Blown Glass and Glassware	13	4	0	*	9		* 0	0	*
327213	Glass Containers	19	4	0	*	15		* 0	0	*
327215	Glass Products from Purchased Glass	9	6	0	*	4		* 0	0	*
327310	Cements	169	19	0	2	49		* 41	2	58
327410	Lime	37	2	0	1	11		* 17	1	5
327420	Gypsum	40	3	0	*	36		* 0	 0	*
327993	Mineral Wool	17	5	0	*	12		* *	*	*
331	Primary Metals	371	164	2	4	185		1 5	5	4
331110	Iron and Steel Mills and Ferroalloys	201	95	2	1	95		* 5	*	2
3312	Steel Products from Purchased Steel	19	7	0	2	10		* 0	0	*
3313	Alumina and Aluminum Production and Processing	101	39	0	*	60		* 0	0	2
331314	Secondary Smelting and Alloying of Aluminum	11	1	0	*	10		* 0	 0	*
331315	Aluminum Sheet, Plate and Foils	36	9	0	*	26		* 0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	0	*	7		* 0	 0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	31	16	0	*	12		* 0	 3	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12	9	0	*	2		* 0	 0	*
3315	Foundries	18	8	0	*	9		* 0	 2	*

331511	Iron Foundries	8	4	0	*	3	*	0	2	*
331523	Nonferrous Metal Die-Casting Foundries	6	2	0	*	4	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	*	*	0	0	0
332	Fabricated Metal Products	Q	47	0	Q	Q	1	0	0	Q
333	Machinery	35	21	0	1	12	Q	0	0	*
334	Computer and Electronic Products	34	26	0	*	8	*	0	0	*
334413	Semiconductors and Related Devices	24	19	0	*	5	*	0	0	*
335	Electrical Equip., Appliances, and Components	35	18	0	*	17	*	0	0	*
336	Transportation Equipment	98	 55	*	1	37	1	0	0	4
336110	Automobile and Light Duty Motor Vehicle Manufacturing	32	13	0	*	15	*	0	0	4
3364	Aerospace Product and Parts	16	11	0	*	5	*	0	0	*
336411	Aircraft	6	4	0	*	2	*	0	0	*
337	Furniture and Related Products	Q	Q	0	*	4	*	*	0	3
339	Miscellaneous	12	10	0	*	2	*	0	0	*
	Total	8,306	1,205	7	39	3,784	37	108	8	3,119
		3,333								
		West Census Region	on							
311	Food	184	45	*	7	127	*	3	*	2
3112	Grain and Oilseed Milling	6	3	*	*	3	*	0	0	*
311221	Wet Corn Milling and Starch Manufacturing	*	*	0	0	*	*	0	0	*
31131	Sugar Manufacturing	23	1	0	*	19	*	3	*	*
3114	Fruit and Vegetable Preserving and Specialty Food	54	11	0	*	42	*	0	0	1
3115	Dairy Product Manufacturing	46	13	0	*	32	*	0	0	*
3116	Animal Slaughtering and Processing	22	6	0	*	15	*	0	0	*
312	Beverage and Tobacco Products	25	10	0	*	15	*	0	0	*
3121	Beverages	25	10	0	*	15	*	0	0	*
3122	Tobacco	*	*	0	0	*	0	0	0	
313	Textile Mills	2	1	0	0	1	*	0	0	*
314	Textile Product Mills	2	1	0	0	1	*	0	0	0
315		*	*	0	0	*	0	0	0	0
316	Apparel	·		0		*	*	0	0	
	Leather and Allied Products				0	47				0
321	Wood Products	91	15	0	2	17	1	0	0	57
321113	Sawmills	59	7	0	2	4	*	0	0	46
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	24	5	0	······	8		0	0	10
321219	Reconstituted Wood Products	4	2	0	·	2		0	0	1
3219	Other Wood Products	8	3	0	* 	4	*	0	0	1
322	Paper	165	23	2	* 	57	*	2	0	81
322110	Pulp Mills	7	*	1	*	*	0	0	0	6
322120	Paper Mills	59	13	0	*	22	*	0	0	25
322130	Paperboard Mills	88	8	1	*	27	*	2	0	51
323	Printing and Related Support	5	3	0	0	2	*	0	0	0
324	Petroleum and Coal Products	825	21	*	1	292	10	7	0	494
324110	Petroleum Refineries	805	19	*	*	282	10	0	0	494
324121	Asphalt Paving Mixture and Block	9	1	*	*	7	*	0	0	*
324122	Asphalt Shingle and Coating Materials	2	*	0	*	1	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	*	0	0	*	*	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	9	*	0	0	2	*	7	0	0

325	Chemicals	157	38	0	*	73	k	· 24	0	21
325110	Petrochemicals	*	*	0	0	0	C	0	0	0
325120	Industrial Gases	20	10	0	0	10	k	· 0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	53	11	0	*	16	k	4 24	0	1
325193	Ethyl Alcohol	9	1	0	*	7	k	· 0	0	1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	14	1	0	*	2	k	· 0	0	11
325199	All Other Basic Organic Chemical Manufacturing	30	2	0	*	20	k	· 0	0	8
325211	Plastics Materials and Resins	3	1	0	*	1	k	· 0	0	*
325212	Synthetic Rubber	*	*	0	0	*	k	· 0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	*	0	0	*	k	· 0	0	0
325311	Nitrogenous Fertilizers	9	2	0	*	6	k	· 0	0	*
325312	Phosphatic Fertilizers	2	1	0	*	1	k	· 0	0	*
3254	Pharmaceuticals and Medicines	11	6	0	*	5	k	· 0	0	*
325412	Pharmaceutical Preparation	6	4	0	*	3	k	· 0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	2	1	0	*	1	k	· 0	0	*
326	Plastics and Rubber Products	23	18	0	0	Q	k	· 0	0	*
327	Nonmetallic Mineral Products	281	39	0	2	76	1	67	3	Q
327120	Clay Building Material and Refractories	2	*	0	*	2	k	· 0	0	*
327211	Flat Glass	5	1	0	0	4	k	· 0	0	0
327212	Other Pressed and Blown Glass and Glassware	1	*	0	*	1	k	· 0	0	0
327213	Glass Containers	12	3	0	*	9	k	· 0	0	*
327215	Glass Products from Purchased Glass	2	1	0	0	1	k	· 0	0	*
327310	Cements	84	11	0	*	12	k	49	2	10
327410	Lime	11	1	0	*	1	k	· 7	1	2
327420	Gypsum	15	1	0	*	14	k	· 0	0	*
327993	Mineral Wool	4	2	0	*	2	k	· 0	0	*
331	Primary Metals	56	20	0	*	34	k	*	*	*
331110	Iron and Steel Mills and Ferroalloys	17	7	0	*	9	k	*	0	*
3312	Steel Products from Purchased Steel	7	2	0	*	5	k	· 0	0	*
3313	Alumina and Aluminum Production and Processing	10	3	0	*	7	k	· 0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	*	0	*	1	k	· 0	0	0
331315	Aluminum Sheet, Plate and Foils	5	2	0	*	3	k	· 0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	3	1	0	*	2	k	· 0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	18	7	0	*	11	k	٠ 0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	13	5	0	*	9	k	٠ 0	0	*
3315	Foundries	5	2	0	*	3	k	٠ 0	*	*
331511	Iron Foundries	2	*	0	*	1	k	٠ 0	*	*
331523	Nonferrous Metal Die-Casting Foundries	1	*	0	*	1	k	٠ 0	0	*
331524	Aluminum Foundries, except Die-Casting	*	*	0	0	*	k	٠ 0	0	*
332	Fabricated Metal Products	39	24	0	*	13	1	. 0	0	*
333	Machinery	13	8	0	*	4	C	Q 0	0	*
334	Computer and Electronic Products	41	29	0	*	12	*	٠ 0	0	*
334413	Semiconductors and Related Devices	26	18	0	*	8	k	0	0	*
335	Electrical Equip., Appliances, and Components	4	2	0	*	Q	k	0	0	*
336	Transportation Equipment	24	14	0	*	10	k	0	0	*
336110	Automobile and Light Duty Motor Vehicle Manufacturing	2	1	0	*	1	k	٥ .	0	*
3364	Aerospace Product and Parts	19	10	0	*	8	*	· 0	0	*

336411	Aircraft	6	3	0	*	3	*	0	0	*
337	Furniture and Related Products	3	1	0	0	1	*	0	0	*
339	Miscellaneous	9	5	0	*	3	*	0	0	*
	Total	1,948	316	2	14	745	16	103	3	749

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey

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. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the *Fuel Consumption* estimates will be inflated.

- ^a The Bureau of the Census classifies establishments using the 2022 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.
- * Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because relative standard error (RSE) is greater than 50%.

NA=Not available.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).

RSE Table 3.2 Relative standard errors for Table 3.2

Unit: Percentage

Teach Part Part	NAICS code ^a	Coherator and industry	Tabel	Net electricity ^b	Residual	Distillate fuel oil ^c	Natural gas ^d	HGL (excluding natural gasoline) ^e	61	Coke	Other ^f
1311 Foot	coue	Subsector and industry	Iotai	electricity	tuei oii	ruei on	gas	natural gasonne)	Coai	and breeze	Other
111221 Serin and Oliseed Milling			Total United State	es							
311121 Wet Corn Milling and Starch Manufacturing 0.0 0.0 X 0.0	311	Food	2.4	3.2	40.5	20.2	3.5	36.4	0.0	0.0	1.5
31131 Sugar Manufacturing 0.0	3112	Grain and Oilseed Milling	2.4	2.9	15.6	6.0	4.1	16.5	0.0	Х	0.1
314 First and Vegetable Preserving and SpecialtyFood 2,7 3,0 0.0 7,6 3,0 11,7 X X 15,5 315 Dairy Product Manufacturing 3,9 4,0 7,0 213 3,4 77,0 X X 5,9 312 Beverage and Tobacco Products 40.1 1,78 X 22,0 40.8 8,8 0.0 X 7,7 312 Beverage and Tobacco Products 40.1 1,78 X 22,0 40.8 8,8 0.0 X 7,7 3122 Tobacco 0.0 <td< td=""><td>311221</td><td>Wet Corn Milling and Starch Manufacturing</td><td>0.0</td><td>0.0</td><td>Х</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>Х</td><td>0.0</td></td<>	311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0
3115 Dainy Product Manufacturing 3.9 4.0 74.0 21.3 3.4 77.0 X X 5.9 312 Aliminal Slaughtering and Processing 4.3 4.0 0.0 5.1 5.0 25.5 X X 7.6 312 Beverage and Tobacco Products 4.1 1.78 X 22.0 4.98 3.8 0.0 X 2.77 312 Tobacco 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 313 Textile Mills 6.6 6.5 X 8.1 1.05 6.4 4.2 X 9.0 315 Apparel 1.1 1.1 1.1 X 4.8 1.35 5.5 3.7 X 4.8 1.9 312 Certile Product Mills 1.1 2.1 1.3 X 4.8 1.3 3.2 2.1 8.7 4.7 4.0 4.0 4.0 4.0 4.0 4.0 4.0 <	31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3116 Animal Shaughtering and Processing 4.3 4.0 0.0 5.1 5.0 25.5 X X.6 7.6 312 Beverage and Tobacco Products 41.1 1.8 X 22.2 48.8 9.8 0.0 X 27.7 3121 Fobecto 0.0 0.0 X 0.0 0.0 0.0 0.0 X X 27.8 3122 Tobacco 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 0.0 0.0 X X 0.0 0.0 0.0 X 2.2 2.2 3.0 0.0 0.0 0.0 X 0.0 <td>3114</td> <td>Fruit and Vegetable Preserving and Specialty Food</td> <td>2.7</td> <td>3.0</td> <td>0.0</td> <td>7.6</td> <td>3.0</td> <td>11.7</td> <td>X</td> <td>Х</td> <td>16.5</td>	3114	Fruit and Vegetable Preserving and Specialty Food	2.7	3.0	0.0	7.6	3.0	11.7	X	Х	16.5
312 Beverage and Tobacco Products 40.1 17.8 X 22.2 49.8 9.8 0.0 X 27.7 3121 Beverages 41.2 18.7 X 25.0 50.9 10.9 0.0 X 27.8 312 Tobacco 0.0 0.0 0.0 X 78.1 10.5 6.4 42.2 X 20.8 313 Textile Mills 6.6 6.5 X 78.1 10.5 6.4 42.2 X 22.8 315 Apparel 11.2 11.3 X 96.8 17.9 27.5 X X 0.0 316 Leather and Alled Products 3.0 4.9 X 3.47 4.4 4.36 X X 9.0 3211 Search and Mills 3.0 4.9 X 3.7 4.7 7.5 9.6 X X 2.7 3211 Oreactive Playoud All Engineered Wood Product 1.1 2.2 0.0 0.0	3115	Dairy Product Manufacturing	3.9	4.0	74.0	21.3	3.4	77.0	X	Х	59.4
3121 Beverages 41,2 18,7 X 25,0 60,9 10,9 00 X 27,8 3122 Toactoc 0.0 0.0 X 0.0 0.0 X X 0.0 314 Textile Mills 1.09 1.33 X 54,8 13.5 55,3 X X 9.0 315 Apparel 1.12 1.3 X 54,8 13.5 55,3 X X 9.0 316 Leather and Allied Products 33.0 4.9 X 34,7 44,4 13.6 X 9.1 321 Wood Products 2.7 2.6 37.3 1.3 7.2 12.8 99.0 X 2.2 32113 Sawmilis 2.2 2.1 8.7 4.7 7.5 4.6 X X 2.5 32121 Veneer, Plywood, and Engineered Wood Products 1.1 2.2 2.1 8.7 4.7 4.7 4.6 1.4 1.6 </td <td>3116</td> <td>Animal Slaughtering and Processing</td> <td>4.3</td> <td>4.0</td> <td>0.0</td> <td>5.1</td> <td>5.0</td> <td>25.5</td> <td>X</td> <td>Х</td> <td>7.6</td>	3116	Animal Slaughtering and Processing	4.3	4.0	0.0	5.1	5.0	25.5	X	Х	7.6
312 Tobacco	312	Beverage and Tobacco Products	40.1	17.8	Х	22.2	49.8	9.8	0.0	Х	27.7
313 Extile Poduct Mills 6.6 6.5 X 78.1 10.5 6.4 42.2 X 12.8 314 Textile Product Mills 10.9 13.3 X 56.8 13.5 55.3 X X 98.7 316 Leather and Allied Products 33.0 4.9 X 34.7 4.4 13.6 X X 91.3 312 Wood Products 2.7 6.5 37.3 11.3 7.2 12.8 99.0 X 2.5 32113 Sammills 2.2 2.1 38.7 4.7 7.5 9.6 X X 2.7 32113 Sammills 3.2 0.0 0.0 2.7 26.6 X X 1.6 32119 Reconstituted Wood Products 1.5 2.8 0.0 0.2 7.0 6.6 X X 0.1 32210 Other Wood Products 1.5 0.2 0.0 0.0 0.0 0.0 0.0	3121	Beverages	41.2	18.7	Х	25.0	50.9	10.9	0.0	Х	27.8
314 Textile Product Mills 10.9 13.3 X 54.8 13.5 55.3 X X 98.7 315 Apparel 11.2 11.3 X 96.8 17.9 27.5 X X 0.0 316 Leather and Allied Products 33.0 4.9 X 34.7 4.44 13.6 X X 9.91 321 Wood Products 2.7 6.5 37.3 11.3 7.2 12.8 99.0 X 2.7 32113 Sxemills 2.2 2.1 38.7 4.7 7.5 9.6 X X 2.7 3212 Veneer, Plywood, and Engineered Wood Products 1.1 3.2 0.0 2.0 2.7 2.6 X X 0.1 321210 Reconstituted Wood Products 1.1 3.2 0.0 0.0 2.7 2.6 0.8 X X 9.1 32210 Paper Mills 0.0 0.0 0.0 0.0	3122	Tobacco	0.0	0.0	Х	0.0	0.0	0.0	X	Х	0.0
315 Apparel 112 113 X 96.8 17.9 27.5 X X 0.0 316 Leather and Allied Products 33.0 4.9 X 34.7 44.4 13.6 X X 9.0 X 2.2 2.1 3.37.3 11.3 7.2 12.8 90.0 X 2.2 2.1 3.87.3 11.3 7.2 12.8 90.0 X 2.2 2.1 3.87.3 11.3 7.2 12.8 90.0 X 2.2 2.1 3.87.3 14.7 7.5 9.6 X X 2.7 2.2 2.1 3.87 4.7 7.5 9.6 X X 1.6 3.23 0.0 0.2 2.7 2.66 9.0 2.2 2.0 3.2 2.0 0.0 2.2 2.0 2.0 0.0 2.0 2.0 2.0 0.0 2.0 2.0 2.0 0.0 2.0 2.0 0.0 0.0 0.0 0.0 <t< td=""><td>313</td><td>Textile Mills</td><td>6.6</td><td>6.5</td><td>Х</td><td>78.1</td><td>10.5</td><td>6.4</td><td>42.2</td><td>Х</td><td>12.8</td></t<>	313	Textile Mills	6.6	6.5	Х	78.1	10.5	6.4	42.2	Х	12.8
316 Leather and Allied Products 33.0 4.9 X 34.7 44.4 13.6 X X 91.3 321 Wood Products 2.7 6.5 37.3 11.3 7.2 12.8 99.0 X 2.5 32113 Samillis 2.2 2.1 8.87 4.7 7.5 9.6 X X 2.7 3212 Veneer, Plywood, and Engineered Wood Product Manufacturing 1.6 2.8 0.0 2.21 2.0 8.1 X X 1.6 321219 Reconstituted Wood Products 1.5 2.0 0.0 0.0 2.7 26.6 X X 2.6 32219 Other Wood Products 1.5 2.0 0.0 0.0 2.0 0.0	314	Textile Product Mills	10.9	13.3	Х	54.8	13.5	55.3	X	Х	98.7
321 Wood Products 2.7 6.5 37.3 11.3 7.2 12.8 99.0 X 2.5 321113 Sawmills 2.2 2.1 38.7 4.7 7.5 9.6 X X 2.7 32121 Veneer, Plywood, and Engineered Wood Product Manufacturing 1.6 2.8 0.0 22.1 2.0 8.1 X X 1.0 321219 Reconstituted Wood Products 1.1 3.2 0.0 0.0 2.7 26.6 X X 0.0 3219 Other Wood Products 1.5 9.0 X 27.4 26.1 16.9 99.0 X 0.6 322 Paper 0.5 2.6 0.9 0.4 1.4 16.6 0.9 X 0.0 322110 Pulp Mills 0.0	315	Apparel	11.2	11.3	Х	96.8	17.9	27.5	Х	Х	0.0
321113 Sawmills Sawmills	316	Leather and Allied Products	33.0	4.9	Х	34.7	44.4	13.6	Х	Х	91.3
3212 Veneer, Plywood, and Engineered Wood Products 1.6 2.8 0.0 22.1 2.0 8.1 X X 1.6 321219 Reconstituted Wood Products 1.1 3.2 0.0 0.0 2.7 2.66 X X 0.1 3219 Other Wood Products 1.59 20.7 X 2.74 26.1 16.9 99.0 X 2.65 322 Paper 0.5 2.6 0.9 0.4 1.4 16.6 0.9 X 0.0 32210 Pulp Mills 0.0 </td <td>321</td> <td>Wood Products</td> <td>2.7</td> <td>6.5</td> <td>37.3</td> <td>11.3</td> <td>7.2</td> <td>12.8</td> <td>99.0</td> <td>Х</td> <td>2.5</td>	321	Wood Products	2.7	6.5	37.3	11.3	7.2	12.8	99.0	Х	2.5
321219 Reconstituted Wood Products 1.1 3.2 0.0 0.0 2.7 26.6 X X 0.1	321113	Sawmills	2.2	2.1	38.7	4.7	7.5	9.6	X	Х	2.7
3219 Other Wood Products 15.9 20.7 X 27.4 26.1 16.9 99.0 X 26.5 322 Paper 0.5 2.6 0.9 0.4 1.4 16.6 0.9 X 0.1 322110 Pulp Mills 0.0 0	3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.6	2.8	0.0	22.1	2.0	8.1	X	Х	1.6
322 Paper 0.5 2.6 0.9 0.4 1.4 16.6 0.9 X 0.1 322110 Pulp Mills 0.0 <t< td=""><td>321219</td><td>Reconstituted Wood Products</td><td>1.1</td><td>3.2</td><td>0.0</td><td>0.0</td><td>2.7</td><td>26.6</td><td>X</td><td>Х</td><td>0.1</td></t<>	321219	Reconstituted Wood Products	1.1	3.2	0.0	0.0	2.7	26.6	X	Х	0.1
322110 Pulp Mills 0.0 <	3219	Other Wood Products	15.9	20.7	Х	27.4	26.1	16.9	99.0	Х	26.5
322120 Paper Mills 0.0	322	Paper	0.5	2.6	0.9	0.4	1.4	16.6	0.9	Х	0.1
322130 Paperboard Mills 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 323 Printing and Related Support 11.5 12.3 99.0 58.4 13.8 22.2 X X 88.6 324 Petroleum and Coal Products 0.1 0.1 15.9 2.5 0.2 0.2 0.0 0.0 0.1 324121 Asphalt Paving Mixture and Block 3.1 3.8 17.7 4.7 4.1 6.1 X X 4.9 324121 Asphalt Shingle and Coating Materials 0.6 1.1 X 0.0 0.6 2.3 X X 0.1 324121 Asphalt Shingle and Coating Materials 0.6 1.1 X 0.0 0.6 2.3 X X 0.1 324191 Petroleum Lubricating Oil and Grease Manufacturing 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0<	322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0
323 Printing and Related Support 11.5 12.3 99.0 58.4 13.8 22.2 X X 88.6 324 Petroleum and Coal Products 0.1 0.1 15.9 2.5 0.2 0.2 0.0 0.0 0.1 324110 Petroleum Refineries 0.0<	322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0
324 Petroleum and Coal Products 0.1 0.1 15.9 2.5 0.2 0.0 0.0 0.0 324110 Petroleum Refineries 0.0	322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
324110 Petroleum Refineries 0.0 0.0 0.0 0.0 0.0 0.0 X X 0.0 324121 Asphalt Paving Mixture and Block 3.1 3.8 17.7 4.7 4.1 6.1 X X 4.9 324122 Asphalt Shingle and Coating Materials 0.6 1.1 X 0.0 0.6 2.3 X X 0.1 324191 Petroleum Lubricating Oil and Grease Manufacturing 10.4 1.8 X 1.3 12.5 9.3 X X 0.3 324199 All Other Petroleum and Coal Products Manufacturing 0.0 0.0 X 0.0 0	323	Printing and Related Support	11.5	12.3	99.0	58.4	13.8	22.2	X	Х	88.6
324121 Asphalt Paving Mixture and Block 3.1 3.8 17.7 4.7 4.1 6.1 X X 4.9 324122 Asphalt Shingle and Coating Materials 0.6 1.1 X 0.0 0.6 2.3 X X 0.1 324191 Petroleum Lubricating Oil and Grease Manufacturing 10.4 1.8 X 1.3 12.5 9.3 X X 0.0 324199 All Other Petroleum and Coal Products Manufacturing 0.0 0.0 X 0.0 <t< td=""><td>324</td><td>Petroleum and Coal Products</td><td>0.1</td><td>0.1</td><td>15.9</td><td>2.5</td><td>0.2</td><td>0.2</td><td>0.0</td><td>0.0</td><td>0.1</td></t<>	324	Petroleum and Coal Products	0.1	0.1	15.9	2.5	0.2	0.2	0.0	0.0	0.1
324122 Asphalt Shingle and Coating Materials 0.6 1.1 X 0.0 0.6 2.3 X X 0.1 324191 Petroleum Lubricating Oil and Grease Manufacturing 10.4 1.8 X 1.3 12.5 9.3 X X 0.3 324199 All Other Petroleum and Coal Products Manufacturing 0.0 0.0 X 0.0	324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
324191 Petroleum Lubricating Oil and Grease Manufacturing 10.4 1.8 X 1.3 12.5 9.3 X X 0.0 324199 All Other Petroleum and Coal Products Manufacturing 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 0.0 325 Chemicals 2.0 3.4 0.0 10.1 2.9 4.9 0.1 X 1.2 325110 Petrochemicals 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 325120 Industrial Gases 8.0 16.9 X 7.2 0.2 66.9 X X 11.2 325180 Other Basic Inorganic Chemical Manufacturing 2.5 2.9 X 24.6 3.3 26.1 0.0 X 3.2 325193 Ethyl Alcohol 2.6 2.6 X 3.1 2.7 0.5 0.0 X 18.8 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 X 0.0	324121	Asphalt Paving Mixture and Block	3.1	3.8	17.7	4.7	4.1	6.1	Х	X	4.9
324199 All Other Petroleum and Coal Products Manufacturing 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 325 Chemicals 2.0 3.4 0.0 10.1 2.9 4.9 0.1 X 1.2 325110 Petrochemicals 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 325120 Industrial Gases 8.0 16.9 X 7.2 0.2 66.9 X X 11.2 325180 Other Basic Inorganic Chemical Manufacturing 2.5 2.9 X 24.6 3.3 26.1 0.0 X 3.2 325193 Ethyl Alcohol 2.6 2.6 X 3.1 2.7 0.5 0.0 X 18.8 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 X 0.0	324122	Asphalt Shingle and Coating Materials	0.6	1.1	X	0.0	0.6	2.3	Х	X	0.1
325 Chemicals 2.0 3.4 0.0 10.1 2.9 4.9 0.1 X 1.2 325110 Petrochemicals 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 325120 Industrial Gases 8.0 16.9 X 7.2 0.2 66.9 X X 11.2 325180 Other Basic Inorganic Chemical Manufacturing 2.5 2.9 X 24.6 3.3 26.1 0.0 X 3.2 325193 Ethyl Alcohol 2.6 2.6 X 3.1 2.7 0.5 0.0 X 18.8 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 X X 0.0	324191	Petroleum Lubricating Oil and Grease Manufacturing	10.4	1.8	X	1.3	12.5	9.3	Х	X	0.3
325110 Petrochemicals 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 325120 Industrial Gases 8.0 16.9 X 7.2 0.2 66.9 X X 11.2 325180 Other Basic Inorganic Chemical Manufacturing 2.5 2.9 X 24.6 3.3 26.1 0.0 X 3.2 325193 Ethyl Alcohol 2.6 2.6 X 3.1 2.7 0.5 0.0 X 18.8 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 X 0.0	324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0
325120 Industrial Gases 8.0 16.9 X 7.2 0.2 66.9 X X 11.2 325180 Other Basic Inorganic Chemical Manufacturing 2.5 2.9 X 24.6 3.3 26.1 0.0 X 3.2 325193 Ethyl Alcohol 2.6 2.6 X 3.1 2.7 0.5 0.0 X 18.8 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 X 0.0	325	Chemicals	2.0	3.4	0.0	10.1	2.9	4.9	0.1	Х	1.2
325180 Other Basic Inorganic Chemical Manufacturing 2.5 2.9 X 24.6 3.3 26.1 0.0 X 3.2 325193 Ethyl Alcohol 2.6 2.6 X 3.1 2.7 0.5 0.0 X 18.8 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 X 0.0	325110	Petrochemicals	0.0	0.0	Х	0.0	0.0	0.0	X	Х	0.0
325193 Ethyl Alcohol 2.6 2.6 X 3.1 2.7 0.5 0.0 X 18.8 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 X 0.0	325120	Industrial Gases	8.0	16.9	Х	7.2	0.2	66.9	Х	X	11.2
325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X 0.0 0.0 0.0 X X 0.0	325180	Other Basic Inorganic Chemical Manufacturing	2.5	2.9	X	24.6	3.3	26.1	0.0	X	3.2
	325193	Ethyl Alcohol	2.6	2.6	X	3.1	2.7	0.5	0.0	X	18.8
325199 All Other Basic Organic Chemical Manufacturing 2.7 2.5 0.0 11.3 3.9 10.7 0.0 X 2.7	325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
	325199	All Other Basic Organic Chemical Manufacturing	2.7	2.5	0.0	11.3	3.9	10.7	0.0	X	2.7

325211	Plastics Materials and Resins	1.2	7.0	Х	4.0	1.3	3.6	Х	Х	1.2
325212	Synthetic Rubber	0.1	0.5	X	0.0	0.1	0.0	0.0	Х	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.8	2.2	X	0.0	0.1	0.0	Х	Х	0.0
325311	Nitrogenous Fertilizers	0.0	D	Х	0.0	0.0	0.0	Х	Х	D
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0
3254	Pharmaceuticals and Medicines	9.2	5.1	X	1.5	14.1	4.5	96.1	Х	33.2
325412	Pharmaceutical Preparation	15.7	5.0	X	1.2	24.8	5.8	Х	Х	43.3
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
326	Plastics and Rubber Products	14.0	18.6	90.7	44.7	16.0	34.1	Х	X	57.8
327	Nonmetallic Mineral Products	12.3	26.5	0.0	23.7	4.9	19.6	10.5	6.3	32.4
327120	Clay Building Material and Refractories	3.4	2.5	Х	1.9	3.9	1.8	0.0	Х	11.3
327211	Flat Glass	0.2	1.2	Х	0.0	0.1	0.0	Х	Х	0.0
327212	Other Pressed and Blown Glass and Glassware	0.4	0.7	Х	0.0	0.5	36.6	Х	Х	21.4
327213	Glass Containers	0.1	0.1	Х	0.0	0.1	0.0	Х	Х	0.0
327215	Glass Products from Purchased Glass	73.0	2.1	Х	43.7	1.7	28.1	Х	Х	95.0
327310	Cements	5.9	6.1	Х	3.1	2.1	0.5	13.8	9.9	7.3
327410	Lime	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	2.9	3.7	0.0	4.7	2.9	6.4	Х	Х	0.0
327993	Mineral Wool	16.0	13.2	Х	0.0	16.9	67.3	0.0	0.0	0.0
331	Primary Metals	0.2	0.3	0.0	11.7	0.2	4.1	0.1	0.4	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	3.3	3.5	Х	37.3	3.6	9.0	Х	0.0	3.4
3313	Alumina and Aluminum Production and Processing	0.2	0.2	Х	0.0	0.1	16.9	Х	Х	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0
331315	Aluminum Sheet, Plate and Foils	0.2	0.5	Х	0.0	0.1	0.5	Х	Х	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	1.0	1.4	Х	0.0	0.7	26.7	Х	Х	0.1
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.3	0.9	Х	3.8	1.2	5.9	Х	13.7	16.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.3	0.1	X	0.0	0.4	8.1	Х	0.0	0.0
3315	Foundries	1.4	1.3	X	2.8	1.3	4.9	66.3	7.8	1.6
331511	Iron Foundries	2.5	2.3	X	1.8	1.2	1.9	66.3	7.8	3.9
331523	Nonferrous Metal Die-Casting Foundries	2.7	2.3	X	6.3	3.1	13.9	X	X	0.8
331524	Aluminum Foundries, except Die-Casting	3.3	3.5	X	48.9	3.7	17.3	X	X	0.0
332	Fabricated Metal Products	23.5	15.5	99.5	34.4	29.7	21.6	Х	X	69.7
333	Machinery	10.7	11.0	X	44.3	13.3	35.3	X	X	33.1
334	Computer and Electronic Products	11.9	15.1	0.0	29.3	8.8	42.9	X	X	45.3
334413	Semiconductors and Related Devices	2.6	2.1	0.0	8.8	5.9	4.6	X	X	54.1
335	Electrical Equip., Appliances, and Components	10.0	10.1	X	50.7	14.4	24.8	X	0.0	92.1
336	Transportation Equipment	5.4	6.3	96.5	6.5	6.7	26.7	X	X	3.7
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.7	1.2	X	2.0	0.5	0.3	X	X	0.1
3364	Aerospace Product and Parts	4.0	5.3	X	2.9	3.1	14.5	X	X	2.2
336411	Aircraft	4.7	5.6	X	2.5	4.3	26.3	X	X	27.4
337	Furniture and Related Products	32.0	50.8	X	47.1	15.9	26.1	84.0	X	25.0
339	Miscellaneous	15.8	16.3	X	47.5	20.5	33.6	X	X	49.5
	Total	1.5	3.1	3.5	7.0	2.2	4.5	5.1	0.4	2.0
		Northeast Census Re	egion							
311	Food	12.4	13.8	3.8	59.9	15.8	40.8	Х	Х	22.7

2.6

3.8

Х

62.9

3.0

64.4

Х

64.5

3112

Grain and Oilseed Milling

1111 Squart Manufacturing	311221	Wet Corn Milling and Starch Manufacturing	X	X	Х	Х	Х	X	Х	X	Х
115	31131	Sugar Manufacturing	0.0	0.0	X	X	0.0	X	X	X	Х
	3114	Fruit and Vegetable Preserving and Specialty Food	8.5	10.1	0.0	0.9	9.4	4.4	Х	X	96.3
1212 Deverage and Tobacco Products 17.6	3115	Dairy Product Manufacturing	4.0	4.7	19.6	0.7	4.7	10.6	Х	X	2.6
1921 Severages 18,5	3116	Animal Slaughtering and Processing	4.2	4.3	X	21.6	5.2	28.2	Х	X	0.0
1912 Tolke Mills 13.8 13.0 10.0	312	Beverage and Tobacco Products	17.6	14.0	X	20.5	20.4	23.3	Х	X	0.0
138 Textle Mills	3121	Beverages	18.5	14.2	X	20.5	22.0	23.6	Х	X	0.0
14	3122	Tobacco	0.0	0.0	X	X	0.0	0.0	X	X	Х
15	313	Textile Mills	13.8	13.0	X	80.2	17.6	0.3	X	X	76.0
1	314	Textile Product Mills	55.8	58.7	X	X	67.6	66.2	X	X	99.3
	315	Apparel	41.5	44.3	X	32.0	56.7	0.0	Х	X	Х
	316	Leather and Allied Products	11.0	5.9	X	37.3	12.6	41.6	Х	X	95.9
	321	Wood Products	2.4	7.5	37.3	11.7	12.5	29.6	99.0	X	0.8
Reconstituted Wood Products 4,7 28,0 0,0 0,0 20,7 0,0 0,	321113	Sawmills	1.5	2.3	38.7	12.6	5.9	17.2	Х	X	0.2
2219 Other Wood Products 123 143 X 55.0 11.9 53.3 89.0 X 21.7	3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	2.5	20.0	0.0	7.3	19.9	16.5	Х	X	0.1
Paper Pape	321219	Reconstituted Wood Products	4.7	28.0	0.0	0.0	20.7	0.0	X	X	0.0
Pulp Mills	3219	Other Wood Products	12.3	14.3	Х	55.0	11.9	53.3	99.0	X	21.7
Paper Milk 0.0	322	Paper	3.2	8.8	2.5	0.3	4.8	19.5	0.0	X	0.1
Paperboard Mills	322110	Pulp Mills	D	0.0	Х	Х	0.0	0.0	Х	Х	D
Printing and Related Support 23.8 23.9 99.0 62.6 27.9 51.2 X X 92.9	322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0
Petroleum and Coal Products	322130	Paperboard Mills	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0
324121 Asphalt Paving Mixture and Block 3.6 5.9 3.19 3.6 13.8 12.4 X X X 3.1 324122 Asphalt Paving Mixture and Block 3.6 5.9 3.19 3.6 13.8 12.4 X X X X 324191 Petroleum Lubricating Oll and Grease Manufacturing 3.8 4.8 X 0.0 0.0 0.0 0.0 X X X 324191 Petroleum Lubricating Oll and Grease Manufacturing 3.8 4.8 X 0.0 0.0 0.0 0.0 X X X 324191 Petroleum Lubricating Oll and Grease Manufacturing 3.8 4.8 X 0.0 0.0 0.0 0.0 X X X 324193 All Other Petroleum and Coal Products Manufacturing 0.0 0.0 0.0 X 0.0 0.0 0.0 X X X 32510 Petrochemicals 0.0 0.0 0.0 0.0 0.0 X 0.0 0.0 X X X 32510 Petrochemicals 0.0 0.0 0.0 0.0 0.0 0.0 X X X 32510 Other Basic Inorganic Chemical Manufacturing 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 325180 Other Basic Inorganic Chemical Manufacturing 0.0	323	Printing and Related Support	23.8	23.9	99.0	62.6	27.9	51.2	Х	Х	92.9
324121 Asphalt Paving Mixture and Block 3.6 5.9 31.9 3.6 13.8 12.4 X X 3.1 324122 Asphalt Shingle and Coating Materials 0.0 0.0 X 0.0 <td>324</td> <td>Petroleum and Coal Products</td> <td>1.0</td> <td>0.9</td> <td>29.5</td> <td>3.0</td> <td>3.3</td> <td>1.0</td> <td>Х</td> <td>X</td> <td>0.9</td>	324	Petroleum and Coal Products	1.0	0.9	29.5	3.0	3.3	1.0	Х	X	0.9
324122 Asphalt Shingle and Coating Materials 0.0 0.0 X 0.0 0.0 X <t< td=""><td>324110</td><td>Petroleum Refineries</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>Х</td><td>Х</td><td>0.0</td></t<>	324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	Х	Х	0.0
324191 Petroleum Lubricating Oil and Grease Manufacturing 3.8 4.8 X 0.0 4.1 31.7 X X 0.0 324199 All Other Petroleum and Coal Products Manufacturing 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 325 Chemicals 11.0 23.6 0.0 62.0 6.4 4.9 X X X 25.4 325110 Petrochemicals 0.0 0.0 0.0 X 0.0 0.0 X 0.0 0.0 X 0.0 325 Industrial Gases 0.0 0	324121	Asphalt Paving Mixture and Block	3.6	5.9	31.9	3.6	13.8	12.4	Х	X	3.1
324199	324122	Asphalt Shingle and Coating Materials	0.0	0.0	Х	0.0	0.0	0.0	Х	X	Х
11.0 23.6 0.0 62.0 6.4 4.9 X X 25.4 325110 Petrochemicals 0.0 0.0 0.0 X 0.0 X 0.0 X 0.0 X X X 325120 Industrial Gases 43.6 45.4 X 0.0 2.5 0.0 X X X 325120 Other Basic Inorganic Chemical Manufacturing 15.4 1.7 X 33.7 1.9 5.2 X X 58.1 325130 Ethyl Alcohol 0.0 0.0 0.0 X X 0.0 0.0 X X X 325140 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X X 0.0 0.0 X X X 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X X 0.0 0.0 X X X 325110 Plastics Materials and Resins 5.1 10.5 0.0 10.2 4.6 23.5 X X 0.1 325211 Plastics Materials and Resins 5.6 14.6 X 0.5 3.8 26.7 X X 0.1 325212 Synthetic Rubber 18.8 35.6 X X 12.9 0.0 X X X 32520 Artificial and Synthetic Fibers and Filaments 0.0 0.0 X X X 0.0 325311 Nitrogenous Fertilizers 0.0 0.0 X X 0.0 0.0 X X X 325312 Phosphatic Fertilizers 0.0 0.0 0.0 X 0.0 0.0 X X X 32544 Pharmaceuticals and Medicines 13.9 17.2 X 2.8 12.8 0.5 X X 0.0 32549 Pharmaceutical Preparation 19.5 17.3 X 0.0 21.6 0.6 X X 0.0 32549 Pharmaceutical Preparation 19.5 17.3 X 0.0 21.6 0.6 X X 0.0 32549 Pharmaceutical Preparation 19.5 17.3 X 0.0 21.6 0.6 X X 0.0 32540 Plastics and Rubber Products 25.0 26.6 92.1 49.8 30.3 56.1 X X X 3.0 32710 Clay Building Material and Refractories 6.3 1.9 X 0.1 11.4 1.4 0.0 X X X 32711 Flat Glass 0.0 0.0 0.0 X X 0.0 0.0 0.0 X X X X 327121 Flat Glass 0.0 0.0 0.0 0.0 0.0 X X X X 327121 Platics Material and Refractories 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 327211 Flat Glass 0.0 0.0 0.0 0.0 0.0 0.0 0.	324191	Petroleum Lubricating Oil and Grease Manufacturing	3.8	4.8	Х	0.0	4.1	31.7	Х	X	0.0
No. Petrochemicals No.	324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0
325120 Industrial Gases 43.6 45.4 X 0.0 2.5 0.0 X X 0.0 325180 Other Basic Inorganic Chemical Manufacturing 15.4 1.7 X 33.7 17.9 5.2 X X 58.1	325	Chemicals	11.0	23.6	0.0	62.0	6.4	4.9	Х	Х	25.4
325180 Other Basic Inorganic Chemical Manufacturing 15.4 1.7 X 33.7 17.9 5.2 X X 58.1 325193 Ethyl Alcohol 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X X <td>325110</td> <td>Petrochemicals</td> <td>0.0</td> <td>0.0</td> <td>Х</td> <td>0.0</td> <td>Х</td> <td>0.0</td> <td>Х</td> <td>Х</td> <td>Х</td>	325110	Petrochemicals	0.0	0.0	Х	0.0	Х	0.0	Х	Х	Х
Substract	325120	Industrial Gases	43.6	45.4	Х	0.0	2.5	0.0	Х	Х	0.0
325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0 0.0 X X 0.0 0.0 X X X X X 3 325199 All Other Basic Organic Chemical Manufacturing 5.1 10.5 0.0 10.2 4.6 23.5 X X 0.0 1.2 4.6 23.5 X X 0.0 0.1 325211 Plastics Materials and Resins 5.6 14.6 X 0.5 3.8 26.7 X X 0.1 325212 Synthetic Rubber 3.8 35.6 X X 12.9 0.0 X X X X X 0.0 0.0 X X X X X X X X X X X	325180	Other Basic Inorganic Chemical Manufacturing	15.4	1.7	Х	33.7	17.9	5.2	Х	Х	58.1
325199 All Other Basic Organic Chemical Manufacturing 5.1 10.5 0.0 10.2 4.6 23.5 X X 0.1 325211 Plastics Materials and Resins 5.6 14.6 X 0.5 3.8 26.7 X X 0.1 325212 Synthetic Rubber 18.8 35.6 X X 12.9 0.0 X X X 0.0 0.0 X X X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X X X X 0.0 0.0 X X X <t< td=""><td>325193</td><td>Ethyl Alcohol</td><td>0.0</td><td>0.0</td><td>Х</td><td>Х</td><td>0.0</td><td>0.0</td><td>Х</td><td>Х</td><td>Х</td></t<>	325193	Ethyl Alcohol	0.0	0.0	Х	Х	0.0	0.0	Х	Х	Х
325211 Plastics Materials and Resins 5.6 14.6 X 0.5 3.8 26.7 X X 0.1 325212 Synthetic Rubber 18.8 35.6 X X 12.9 0.0 X X X 325200 Artificial and Synthetic Fibers and Filaments 0.0 0.0 X X 0.0 0.0 0.0 X X X 0.0 0.0 X X 0.0 0.0 X	325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	Х	Х	0.0	0.0	Х	Х	Х
325212 Synthetic Rubber 18.8 35.6 X X 12.9 0.0 X X X 32.5 32.5 X X 12.9 0.0 X X X 32.5 32.5 X X 0.0 0.0 X X X 0.0 0.0 X X X X X X 0.0 0.0 X 0.0 X X X <td>325199</td> <td>All Other Basic Organic Chemical Manufacturing</td> <td>5.1</td> <td>10.5</td> <td>0.0</td> <td>10.2</td> <td>4.6</td> <td>23.5</td> <td>Х</td> <td>Х</td> <td>0.1</td>	325199	All Other Basic Organic Chemical Manufacturing	5.1	10.5	0.0	10.2	4.6	23.5	Х	Х	0.1
325220 Artificial and Synthetic Fibers and Filaments 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 0.0 X X X 0.0 0.0 X	325211	Plastics Materials and Resins	5.6	14.6	Х	0.5	3.8	26.7	Х	Х	0.1
325311 Nitrogenous Fertilizers 0.0 0.0 X 0.0 0.0 X 0.0 3 X 0.0 X X X 0.0 0.0 X X	325212	Synthetic Rubber	18.8	35.6	Х	Х	12.9	0.0	Х	Х	Х
325312 Phosphatic Fertilizers 0.0 0.0 X 0.0 X 0.0 X X X X X X X X X X 0.0 X 0.0 X X X 0.0 325412 Pharmaceutical Preparation 19.5 17.3 X 0.0 21.6 0.6 X X 0.0 325992 Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing 0.0 0.0 X 0.0	325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	Х	Х	0.0	0.0	Х	Х	0.0
3254 Pharmaceuticals and Medicines 13.9 17.2 X 2.8 12.8 0.5 X X 0.0 325412 Pharmaceutical Preparation 19.5 17.3 X 0.0 21.6 0.6 X X 0.0 325992 Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 326 Plastics and Rubber Products 25.0 26.6 92.1 49.8 30.3 56.1 X X 83.3 327 Nonmetallic Mineral Products 44.7 7.1 0.0 44.5 4.0 41.9 0.0 X 91.4 327120 Clay Building Material and Refractories 6.3 1.9 X 0.1 11.4 1.4 0.0 X 0.2 327211 Flat Glass 0.0 0.0 X X 0.0 0.0 X X X	325311	Nitrogenous Fertilizers	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	Х
325412 Pharmaceutical Preparation 19.5 17.3 X 0.0 21.6 0.6 X X 0.0 325992 Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 326 Plastics and Rubber Products 25.0 26.6 92.1 49.8 30.3 56.1 X X 83.3 327 Nonmetallic Mineral Products 44.7 7.1 0.0 44.5 4.0 41.9 0.0 X 91.4 327120 Clay Building Material and Refractories 6.3 1.9 X 0.1 11.4 1.4 0.0 X 0.2 327211 Flat Glass 0.0 0.0 X X 0.0 0.0 X X X	325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	Х	0.0	Х	X	Х
325992 Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 326 Plastics and Rubber Products 25.0 26.6 92.1 49.8 30.3 56.1 X X 83.3 327 Nonmetallic Mineral Products 44.7 7.1 0.0 44.5 4.0 41.9 0.0 X 91.4 327120 Clay Building Material and Refractories 6.3 1.9 X 0.1 11.4 1.4 0.0 X 0.2 327211 Flat Glass 0.0 0.0 X X 0.0 0.0 X X X	3254	Pharmaceuticals and Medicines	13.9	17.2	Х	2.8	12.8	0.5	Х	Х	0.0
326 Plastics and Rubber Products 25.0 26.6 92.1 49.8 30.3 56.1 X X 83.3 327 Nonmetallic Mineral Products 44.7 7.1 0.0 44.5 4.0 41.9 0.0 X 91.4 327120 Clay Building Material and Refractories 6.3 1.9 X 0.1 11.4 1.4 0.0 X 0.2 327211 Flat Glass 0.0 0.0 X X 0.0 0.0 X X X	325412	Pharmaceutical Preparation	19.5	17.3	Х	0.0	21.6	0.6	Х	Х	0.0
327 Nonmetallic Mineral Products 44.7 7.1 0.0 44.5 4.0 41.9 0.0 X 91.4 327120 Clay Building Material and Refractories 6.3 1.9 X 0.1 11.4 1.4 0.0 X 0.2 327211 Flat Glass 0.0 0.0 X X 0.0 0.0 X X	325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
327120 Clay Building Material and Refractories 6.3 1.9 X 0.1 11.4 1.4 0.0 X 0.2 327211 Flat Glass 0.0 0.0 X X 0.0 0.0 X X X	326	Plastics and Rubber Products	25.0	26.6	92.1	49.8	30.3	56.1	Х	X	83.3
327211 Flat Glass 0.0 0.0 X X 0.0 0.0 X X X	327	Nonmetallic Mineral Products		7.1	0.0	44.5	4.0	41.9	0.0	X	91.4
	327120	Clay Building Material and Refractories	6.3	1.9	Х	0.1	11.4	1.4	0.0	X	0.2
327212 Other Pressed and Blown Glass and Glassware 1.0 1.7 X 0.0 0.8 60.3 X X 0.0	327211	Flat Glass	0.0	0.0	Х	Х	0.0	0.0	Х	X	Х
	327212	Other Pressed and Blown Glass and Glassware	1.0	1.7	Х	0.0	0.8	60.3	Х	X	0.0

327213	Glass Containers	0.1	0.1	Х	0.0	0.1	0.0	Х	Х	0.0
327215	Glass Products from Purchased Glass	92.6	2.9	X	72.1	2.9	1.7	Х	Х	95.1
327310	Cements	0.0	0.0	X	0.0	0.0	0.0	0.0	Х	0.0
327410	Lime	0.0	0.0	X	0.0	0.0	X	0.0	X	Х
327420	Gypsum	0.0	0.0	0.0	0.0	0.0	0.0	Х	X	Х
327993	Mineral Wool	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
331	Primary Metals	0.3	0.7	X	1.5	0.5	2.1	1.5	0.0	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	4.4	5.6	X	39.9	5.1	13.1	Х	0.0	0.0
3313	Alumina and Aluminum Production and Processing	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	Х	0.0	Х	Х	X	Х
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	X	0.0	0.0	0.0	Х	X	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.4	2.4	X	0.9	1.8	9.6	Х	0.0	21.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.4	0.4	X	0.0	0.5	0.1	Х	0.0	Х
3315	Foundries	2.9	3.5	X	18.2	2.6	1.5	66.3	X	3.5
331511	Iron Foundries	2.0	2.9	X	29.9	0.5	2.1	66.3	X	0.0
331523	Nonferrous Metal Die-Casting Foundries	3.0	3.8	X	Х	2.9	0.2	Х	X	71.1
331524	Aluminum Foundries, except Die-Casting	3.5	1.8	X	69.7	4.7	5.2	Х	Х	0.0
332	Fabricated Metal Products	33.3	24.8	99.5	63.5	44.7	56.2	Х	X	54.1
333	Machinery	37.5	31.5	X	90.9	53.9	88.5	Х	X	98.2
334	Computer and Electronic Products	8.8	9.9	0.0	11.1	8.8	74.5	Х	Х	93.8
334413	Semiconductors and Related Devices	2.2	2.9	0.0	0.0	1.2	0.0	Х	Х	0.0
335	Electrical Equip., Appliances, and Components	12.7	22.1	X	6.5	25.4	32.5	Х	0.0	94.4
336	Transportation Equipment	19.0	22.5	Х	8.2	18.0	67.4	Х	Х	35.6
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	0.0	X	X	0.0	X	Х	X	0.0
3364	Aerospace Product and Parts	5.1	11.2	Х	0.0	3.7	13.5	Х	X	0.0
336411	Aircraft	11.3	36.7	X	0.0	0.0	0.0	Х	X	0.0
337	Furniture and Related Products	27.0	30.8	X	99.0	33.0	67.2	X	X	56.7
339	Miscellaneous	31.1	25.7	X	72.4	41.6	64.6	X	X	99.0
	Total	6.1	6.7	8.5	15.9	4.5	11.8	0.1	0.0	17.6
		No. de contra Company	Danie -							
311	Food	Midwest Census 4.1	Kegion 5.4	51.3	11.7	6.3	71.1	0.0	0.0	
3112	Grain and Oilseed Milling	2.8	2.8	65.8	0.9	5.1	71.1	0.0	V.0	5.0
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	X	0.9	0.0	0.0	0.0	X	0.0
31131		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3114	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Food	3.3	4.4	0.0 X	24.7	3.9	39.0	V.0	V.U	71.7
3114		8.7	6.6	79.2	35.3	8.0	98.4	X	X	70.7
3116	Dairy Product Manufacturing Animal Slaughtering and Processing	8.7	9.1	0.0	8.7	8.7	48.6	X	X	0.3
312	Beverage and Tobacco Products	6.5	9.2	V.0	3.8	6.4	38.8	X	X	97.2
3121			9.2		3.8	6.4	38.8		X	
3121	Beverages Tobacco	6.5 0.0	0.0	X	3.8 X	0.0	38.8 X	X	X X	97.2 X
				X				X		
313	Textile Mills	7.7	7.7	X	0.0	8.9	34.1	X	X	X
314	Textile Product Mills	36.6	32.4	X	X	43.6	63.7 X	X	X	X
315 316	Apparel Leather and Allied Products	43.8 46.6	42.6 8.2	X X	0.0	46.8 53.8	7.6	X	X	X
		46.6	4.7	X X	52.2	53.8 4.3	7.6	X X	X	0.0 26.1
321	Wood Products	10.5	4./	^	52.2	4.5	ZZ.5	-	X	20.1

321113	Sawmills	7.7	7.1	Х	36.2	17.7	6.8	Х	Х	8.7
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.2	2.7	Х	22.7	1.7	17.3	Х	X	0.2
321219	Reconstituted Wood Products	0.6	0.6	Х	0.0	1.2	9.5	Х	X	0.1
3219	Other Wood Products	24.1	8.7	X	42.9	11.6	35.0	Х	X	52.7
322	Paper	2.8	6.0	0.0	1.3	4.5	30.9	7.1	X	0.0
322110	Pulp Mills	D	0.0	Х	0.0	0.0	0.0	Х	Х	D
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	Х	Х	0.0
323	Printing and Related Support	20.5	24.4	Х	Х	21.0	10.3	Х	Х	6.9
324	Petroleum and Coal Products	0.3	0.5	0.0	1.4	0.5	0.3	Х	0.0	0.5
324110	Petroleum Refineries	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0
324121	Asphalt Paving Mixture and Block	8.5	17.2	0.0	2.8	4.9	7.9	Х	Х	31.6
324122	Asphalt Shingle and Coating Materials	0.6	1.7	Х	0.0	0.6	5.2	Х	Х	0.0
324191	Petroleum Lubricating Oil and Grease Manufacturing	1.8	1.5	X	0.3	2.0	4.5	Х	Х	21.3
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	Х	0.0	0.0
325	Chemicals	6.6	3.8	0.0	7.7	8.8	41.1	0.1	Х	6.8
325110	Petrochemicals	0.0	0.0	X	X	X	0.0	Х	Х	Х
325120	Industrial Gases	5.1	5.2	X	X	15.0	0.0	Х	Х	Х
325180	Other Basic Inorganic Chemical Manufacturing	15.0	5.4	X	37.7	18.9	13.7	Χ	Х	15.2
325193	Ethyl Alcohol	2.7	2.7	X	3.3	2.9	1.8	0.0	Х	19.4
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	Χ	X	0.0
325199	All Other Basic Organic Chemical Manufacturing	2.1	2.5	X	16.3	3.6	20.3	Χ	Х	1.9
325211	Plastics Materials and Resins	1.7	3.1	X	24.3	3.2	4.6	Χ	Х	0.1
325212	Synthetic Rubber	0.0	0.0	X	Х	0.0	0.0	Х	Х	Х
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	Х	Х	Х
325311	Nitrogenous Fertilizers	0.0	D	X	0.0	0.0	0.0	Х	Х	D
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	X	Х	0.0
3254	Pharmaceuticals and Medicines	18.6	6.9	X	11.7	27.9	34.5	96.1	Х	41.8
325412	Pharmaceutical Preparation	33.3	6.7	X	14.6	45.8	63.2	Χ	Х	67.2
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	X	0.0	0.0	0.0	Χ	Х	Х
326	Plastics and Rubber Products	32.2	40.4	99.0	87.5	33.6	66.8	Χ	Х	97.2
327	Nonmetallic Mineral Products	15.6	4.6	X	22.0	5.9	38.8	0.0	15.6	54.3
327120	Clay Building Material and Refractories	4.9	7.2	Х	5.8	4.9	4.2	Х	Х	15.1
327211	Flat Glass	0.3	2.3	Х	0.0	0.1	0.0	Х	Х	Х
327212	Other Pressed and Blown Glass and Glassware	1.1	0.9	Х	0.0	1.3	0.0	Х	Х	0.0
327213	Glass Containers	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0
327215	Glass Products from Purchased Glass	1.9	2.2	Х	0.0	2.9	19.3	Х	Х	0.0
327310	Cements	9.8	5.0	X	6.7	0.1	0.0	0.0	77.0	24.9
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
327993	Mineral Wool	32.7	26.9	X	0.0	34.9	79.4	Х	0.0	0.0
331	Primary Metals	0.2	0.3	0.0	0.3	0.2	6.3	0.0	0.4	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	2.9	1.7	X	4.3	4.1	15.6	Х	X	1.1
3313	Alumina and Aluminum Production and Processing	0.4	0.2	X	0.0	0.3	29.5	Х	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	X	0.0	1.7	42.6	Х	X	0.1

3314	Nonferrous Metal (except Aluminum) Production and Processing	4.7	1.7	Х	11.6	3.1	7.2	х	49.0	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	Х	Х	0.0
3315	Foundries	2.0	1.8	X	3.4	1.7	9.8	Х	9.7	3.2
331511	Iron Foundries	3.6	3.2	X	0.5	1.7	3.3	Х	9.7	14.3
331523	Nonferrous Metal Die-Casting Foundries	3.4	3.3	X	0.0	3.7	25.7	Х	X	0.3
331524	Aluminum Foundries, except Die-Casting	4.0	5.1	X	0.0	3.9	38.5	Х	Х	0.0
332	Fabricated Metal Products	16.4	13.9	X	62.3	20.9	37.3	Х	X	61.9
333	Machinery	16.3	17.7	X	63.9	17.3	32.3	Х	X	37.7
334	Computer and Electronic Products	47.5	55.2	X	31.5	27.7	47.1	Х	X	21.8
334413	Semiconductors and Related Devices	2.8	2.2	X	0.0	4.0	0.1	Х	X	0.0
335	Electrical Equip., Appliances, and Components	24.4	22.8	X	90.4	28.8	38.6	Х	Х	54.3
336	Transportation Equipment	8.8	10.6	X	16.0	10.0	41.7	Х	X	3.0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.1	0.1	X	0.0	0.1	0.0	Х	X	0.0
3364	Aerospace Product and Parts	4.2	7.9	X	5.9	1.6	5.6	Х	X	4.3
336411	Aircraft	4.0	4.4	X	13.1	3.8	7.9	Х	Х	31.0
337	Furniture and Related Products	19.7	20.1	X	61.7	24.5	40.4	Х	Х	52.4
339	Miscellaneous	28.3	31.2	X	63.2	31.9	50.5	Х	Х	71.3
	Total	2.3	5.3	9.7	11.4	3.3	15.4	0.2	0.4	5.4
311	Food	South Census Region 3.6	4.6	0.0	18.3	5.6	22.6	0.0	X	0.2
3112	Grain and Oilseed Milling	3.9	10.9	0.0	8.5	3.8		0.0	X	0.2
							10.8			0.0
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	3.4	5.0	X	2.2	3.3	19.8	X	X	13.1
3115	Dairy Product Manufacturing	3.1	11.3	X	17.0	1.5	36.2	X	X	62.7
3116	Animal Slaughtering and Processing	5.4	3.5	X	6.0	7.6	33.1	X	X	25.2
312	Beverage and Tobacco Products	52.6	34.8	X	12.3	60.3	9.7	0.0	X	27.7
3121	Beverages	54.2	38.4	X	18.2	61.6	14.1	0.0	X	29.3
3122	Tobacco	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
313	Textile Mills	7.7	7.2	X	35.6	13.1	23.9	42.2	X	0.1
314	Textile Product Mills	13.4	16.3	X	54.8	15.2	57.7	X	X	96.3
315	Apparel	12.2	14.0	X	96.8	15.4	39.4	X	X	0.0
316	Leather and Allied Products	5.5	8.0	X	48.1	3.7	24.2	X	X	25.6
321	Wood Products	3.7	11.1	X	11.1	12.5	22.1	X	X	0.9
321113	Sawmills	1.0 0.7	2.8	X	6.4	6.6	17.2	X	X	0.4
3212 321219	Veneer, Plywood, and Engineered Wood Product Manufacturing		3.1 4.8	X X	23.9	0.7	11.1 37.6	X	X	0.7
	Reconstituted Wood Products	0.8 29.3		X X			26.3	X		0.0
3219 322	Other Wood Products	29.3	39.5 4.8	0.0	47.6 0.5	51.3 1.7	30.1	0.0	X	17.8 0.1
322110	Paper Dula Milla	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	
	Pulp Mills					0.0				0.0
322120	Paper Mills	0.0	0.0	0.0	0.0		0.0	0.0	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
323	Printing and Related Support	21.1	19.9	X	97.9	32.7	37.4	X	X	X
324	Petroleum and Coal Products	0.1	0.1	23.3	4.8	0.3	0.1	X	X	0.1
324110	Petroleum Refineries	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Shingle and Costing Materials	7.5	3.8	23.3		6.9	5.6	X		23.3
324122	Asphalt Shingle and Coating Materials	1.1	1.9	X	0.0	1.0	4.1	X	X	0.0

324191 324199	Petroleum Lubricating Oil and Grease Manufacturing All Other Petroleum and Coal Products Manufacturing	13.3	2.7	X	1.3	15.3 0.0	5.7	X X	X	0.5
325	Chemicals	1.9	2.4	X	2.3	2.7 0.0	1.3	0.0	X	0.9
325110	Petrochemicals	0.0	0.0	X	0.0		0.0	X	X	0.0
325120	Industrial Gases	1.6	6.3	X	8.6	0.1	92.0	X	X	12.5
325180	Other Basic Inorganic Chemical Manufacturing	2.7	3.9	X	32.0	3.4	31.2	X	X	2.6
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325199	All Other Basic Organic Chemical Manufacturing	3.3	3.2	X	13.6	5.0	17.9	0.0	X	3.2
325211	Plastics Materials and Resins	1.4	11.2	X	3.8	1.4	3.8	X	X	1.6
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.8	2.3	X	0.0	0.1	0.0	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
3254	Pharmaceuticals and Medicines	3.9	5.7	X	1.0	2.8	0.8	X	X	0.1
325412	Pharmaceutical Preparation	2.8	3.6	X	0.1	2.7	0.0	X	X	0.0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
326	Plastics and Rubber Products	18.1	19.9	X	47.1	24.0	50.5	X	X	76.5
327	Nonmetallic Mineral Products	12.6	48.8	X	37.7	3.5	11.8	3.7	12.7	0.8
327120	Clay Building Material and Refractories	4.9	3.3	X	2.6	5.5	2.2	Х	X	11.4
327211	Flat Glass	0.4	2.2	X	0.0	0.1	0.0	Х	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.4	0.4	X	0.0	0.2	50.7	Х	X	73.0
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
327215	Glass Products from Purchased Glass	3.2	4.1	Х	0.0	3.3	49.8	Х	Х	0.0
327310	Cements	2.7	3.3	Х	4.2	3.9	2.2	5.2	20.5	0.8
327410	Lime	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	5.7	6.9	Х	7.6	5.6	10.8	Х	Х	0.0
327993	Mineral Wool	0.5	1.6	Х	0.0	0.0	0.2	0.0	0.0	0.0
331	Primary Metals	0.4	0.4	0.0	20.7	0.3	2.4	0.0	0.7	0.3
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	6.1	8.2	Х	39.1	3.4	10.4	Х	Х	46.1
3313	Alumina and Aluminum Production and Processing	0.2	0.3	X	0.0	0.2	2.0	Х	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	Х	Х	0.0
331315	Aluminum Sheet, Plate and Foils	0.5	1.1	X	0.0	0.3	1.4	Х	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	X	0.0	0.8	4.4	Х	X	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.2	1.7	X	0.2	1.6	6.7	Х	0.0	52.2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.7	0.2	X	0.0	2.3	19.4	Х	X	0.0
3315	Foundries	2.3	2.1	X	3.2	3.3	4.4	Х	2.1	0.7
331511	Iron Foundries	2.6	3.7	X	4.1	2.6	5.0	Х	2.1	0.0
331523	Nonferrous Metal Die-Casting Foundries	5.6	3.2	X	38.0	6.8	7.8	Х	X	28.4
331524	Aluminum Foundries, except Die-Casting	14.8	6.3	X	0.0	21.9	12.6	Х	X	Х
332	Fabricated Metal Products	50.2	42.7	X	58.4	55.4	36.0	X	X	95.6
333	Machinery	19.1	19.2	X	49.4	26.5	67.7	X	X	69.3
334	Computer and Electronic Products	9.7	9.0	X	54.5	13.6	51.7	X	X	0.0
334413	Semiconductors and Related Devices	1.1	1.4	X	0.0	0.0	0.0	X X	X	0.0
335	Electrical Equip., Appliances, and Components	17.5	16.6	X	31.9	21.3	44.1	X X	X	69.0
336	Transportation Equipment	10.5	11.6	96.5	7.8	14.5	28.0	X	X	4.0
	Transportation Equipment	10.5	11.0	20.3						4.0

3364	Aerospace Product and Parts	12.9	13.6	Х	8.6	12.1	36.8	Х	Х	2.7
336411	Aircraft	1.8	2.3	X	3.3	1.0	53.0	X	X	26.5
337	Furniture and Related Products	53.3	71.0	X	35.8	29.2	41.2	84.0	X	30.0
339	Miscellaneous	22.8	23.1	X	86.2	35.6	57.1	X	X	51.0
	Total	2.0	5.4	4.9	10.5	3.7	4.2	2.1	5.2	0.2
		West Census Re	gion							
311	Food	4.5	7.7	41.7	41.7	4.1	11.7	0.0	0.0	16.7
3112	Grain and Oilseed Milling	4.4	8.3	41.7	35.3	5.9	39.6	Х	X	0.2
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	X	X	0.0	0.0	X	X	0.0
31131	Sugar Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	5.3	6.0	X	32.1	5.7	18.5	X	X	24.5
3115	Dairy Product Manufacturing	6.7	7.9	X	61.3	6.8	0.8	X	X	47.7
3116	Animal Slaughtering and Processing	5.0	7.6	X	3.5	4.8	63.9	X	X	0.1
312	Beverage and Tobacco Products	14.4	6.2	X	48.7	22.3	17.8	X	X	30.6
3121	Beverages	14.4	6.2	X	48.7	22.3	17.8	X	X	30.6
3122	Tobacco	0.0	0.0	X	X	0.0	X	X	X	X
313	Textile Mills	21.4	37.7	X	X	5.9	5.5	X	X	0.0
314	Textile Product Mills	34.8	49.9	X	X	37.7	98.8	Х	X	Х
315	Apparel	30.2	32.1	X	X	49.5	X	Х	X	Х
316	Leather and Allied Products	38.8	20.5	X	X	70.7	0.0	X	X	X
321	Wood Products	5.6	5.5	X	11.4	10.7	16.9	Х	X	7.3
321113	Sawmills	7.0	4.7	X	5.7	23.7	17.8	Х	X	8.4
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	9.0	7.8	X	49.5	4.9	16.6	Х	X	13.9
321219	Reconstituted Wood Products	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
3219	Other Wood Products	25.7	22.7	X	44.7	34.4	34.0	X	X	46.0
322	Paper	2.0	5.6	0.0	2.0	5.3	34.6	0.0	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0
322120	Paper Mills	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
323	Printing and Related Support	31.2	27.7	X	X	41.3	46.7	Х	X	Х
324	Petroleum and Coal Products	0.1	0.2	23.7	10.6	0.1	0.4	0.0	X	0.1
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	Х	X	0.0
324121	Asphalt Paving Mixture and Block	4.1	3.3	43.1	24.0	5.1	12.7	Х	X	14.6
324122	Asphalt Shingle and Coating Materials	1.8	1.0	Х	0.0	2.2	0.8	Х	X	61.4
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	0.0	X	X	0.0	0.0	Х	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	Х	Х	0.0	0.0	0.0	X	X
325	Chemicals	1.4	3.2	Х	23.4	1.6	7.0	0.0	X	0.7
325110	Petrochemicals	0.0	0.0	Х	Х	X	X	Х	X	X
325120	Industrial Gases	1.4	2.7	X	Х	0.2	69.1	Х	X	Х
325180	Other Basic Inorganic Chemical Manufacturing	1.0	1.5	Х	74.0	2.7	38.0	0.0	X	1.0
325193	Ethyl Alcohol	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0
325199	All Other Basic Organic Chemical Manufacturing	0.7	2.0	X	55.5	0.7	0.3	Х	X	1.8
325211	Plastics Materials and Resins	34.7	39.4	X	13.8	31.6	20.5	Х	X	0.1
325212	Synthetic Rubber	0.0	0.0	X	X	0.0	0.0	Х	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	Х	X	Х
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0

325312	Phosphatic Fertilizers	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0
3254	Pharmaceuticals and Medicines	6.6	9.9	Х	1.9	5.1	5.4	Х	Х	0.0
325412	Pharmaceutical Preparation	10.1	15.2	X	6.5	7.0	49.0	Х	X	Х
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0
326	Plastics and Rubber Products	31.0	31.4	Х	X	68.5	66.3	Х	X	99.0
327	Nonmetallic Mineral Products	37.1	34.8	Х	38.9	24.2	47.7	29.9	0.0	67.2
327120	Clay Building Material and Refractories	2.5	4.1	Х	8.0	2.6	9.2	Х	X	30.1
327211	Flat Glass	0.0	0.0	Х	Х	0.0	0.0	Х	Х	Х
327212	Other Pressed and Blown Glass and Glassware	3.5	14.6	Х	0.0	0.3	7.8	Х	X	Х
327213	Glass Containers	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0
327215	Glass Products from Purchased Glass	2.8	5.0	Х	X	1.5	21.0	Х	X	21.4
327310	Cements	23.1	23.6	Х	0.0	2.2	0.0	34.1	0.0	0.0
327410	Lime	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.5	2.9	Х	5.2	0.4	0.0	X	Х	0.0
327993	Mineral Wool	0.0	0.0	Х	0.0	0.0	0.0	X	Х	0.0
331	Primary Metals	2.2	1.3	Х	4.2	2.8	3.0	0.0	0.0	4.4
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0
3312	Steel Products from Purchased Steel	18.2	14.6	Х	3.3	20.7	38.4	Х	Х	4.9
3313	Alumina and Aluminum Production and Processing	0.5	0.6	Х	0.0	0.5	0.6	Х	Х	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	Х
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	Х
331318	Other Aluminum Rolling, Drawing and Extruding	1.5	2.1	Х	0.0	1.4	1.3	Х	Х	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.2	0.3	Х	10.6	1.8	0.4	Х	Х	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	0.2	Х	0.0	0.1	0.1	Х	Х	0.0
3315	Foundries	1.9	1.6	Х	9.1	2.5	1.5	Х	0.0	0.1
331511	Iron Foundries	0.6	0.9	Х	0.0	1.0	1.6	Х	0.0	0.0
331523	Nonferrous Metal Die-Casting Foundries	6.5	5.5	Х	42.1	7.0	8.1	Х	Х	9.5
331524	Aluminum Foundries, except Die-Casting	2.2	3.3	Х	X	1.9	0.6	Х	Х	0.0
332	Fabricated Metal Products	22.1	24.7	Х	61.7	31.4	37.7	Х	Х	89.4
333	Machinery	30.5	32.3	Х	92.0	40.8	58.6	Х	Х	89.5
334	Computer and Electronic Products	11.0	9.6	Х	42.5	19.3	7.2	Х	X	68.6
334413	Semiconductors and Related Devices	6.4	5.1	Х	51.2	14.7	15.3	Х	Х	73.0
335	Electrical Equip., Appliances, and Components	41.0	36.8	Х	67.3	57.6	98.4	Х	X	91.0
336	Transportation Equipment	6.1	6.8	Х	38.3	6.3	43.7	Х	X	11.1
336110	Automobile and Light Duty Motor Vehicle Manufacturing	10.3	14.5	Х	91.1	3.4	27.9	Х	X	0.0
3364	Aerospace Product and Parts	4.9	5.0	Х	4.2	5.8	19.5	Х	Х	7.8
336411	Aircraft	13.6	14.9	Х	5.6	12.9	33.5	Х	Х	47.0
337	Furniture and Related Products	33.6	30.1	X	Х	45.4	49.0	Х	X	94.3
339	Miscellaneous	22.7	21.9	X	55.7	28.1	50.6	Х	X	62.2
	Total	5.4	5.3	4.4	21.1	2.8	5.1	19.6	0.0	8.4

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey

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. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the *Fuel Consumption* estimates will be inflated.

^a The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

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- ^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.
- * Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because relative standard error (RSE) is greater than 50%.

NA=Not available.

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

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).