Released: August 2025 Next MECS will be fielded in 2027

Table 1.2 First use of energy for all purposes (fuel and nonfuel), 2022 Level: National and regional data

Row: NAICS codes

Column: Energy sources and shipments

Unit: Trillion British thermal units

											Shipments
NAICS		n		Residual	Distillate		HGL (excluding		Coke and	0	of energy sources
code ^a	Subsector and industry	Total®	electricity ^c	fuel oil	fuel oil ^a	gas ^e	natural gasoline) ^r	Coal	breeze	Other ^g	produced onsite ⁿ
		Total United Sta	tes								
311	Food	1,235	271	*	15	705	8	93	1	141	0
3112	Grain and Oilseed Milling	339	60	*	1	170	*	67	0	41	0
311221	Wet Corn Milling and Starch Manufacturing	169	27	0	*	69	*	40	0	32	0
31131	Sugar Manufacturing	167	5	*	*	39	*	26	1	93	0
3114	Fruit and Vegetable Preserving and Specialty Food	121	31	*	*	88	1	0	0	1	0
3115	Dairy Product Manufacturing	171	45	*	2	118	Q	0	0	Q	0
3116	Animal Slaughtering and Processing	246	76	*	3	163	2	0	0	2	0
312	Beverage and Tobacco Products	265	51	0	*	212	1	1	0	*	0
3121	Beverages	258	48	0	*	Q	1	1	0	*	0
3122	Tobacco	7	2	0	*	4	*	0	0	*	0
313	Textile Mills	57	30	0	*	24	*	*	0	2	0
314	Textile Product Mills	21	10	0	*	10	Q	0	0	*	0
315	Apparel	3	2	0	*	1	*	0	0	*	0
316	Leather and Allied Products	3	1	0	*	2	*	0	0	*	0
321	Wood Products	416	69	*	12	80	3	*	0	251	0
321113	Sawmills	199	27	*	7	18	1	0	0	147	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	144	19	*	1	38	1	0	0	85	0
321219	Reconstituted Wood Products	72	10	*	*	22	*	0	0	40	0
3219	Other Wood Products	62	21	0	1	21	1	*	0	17	0
322	Paper	2,003	170	8	4	617	3	32	0	1,169	0
322110	Pulp Mills	345	5	1	1	55	*	2	0	281	0
322120	Paper Mills	475	55	2	1	188	*	14	0	214	0
322130	Paperboard Mills	986	61	3	2	279	*	13	0	628	0
323	Printing and Related Support	53	31	*	*	21	*	0	0	*	0
324	Petroleum and Coal Products	4,464	160	2	8	1,110	29	167	7	3,054	73
324110	Petroleum Refineries	3,314	150	*	3	1,021	27	0	0	2,112	0
324121	Asphalt Paving Mixture and Block	693	5	2	4 *	54	1	0	0	628	2
324122	Asphalt Shingle and Coating Materials	243	3	0	*	11	*	0	0	228	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	16	2	0		13	*	0	0	*	0
324199	All Other Petroleum and Coal Products Manufacturing	198	-1	0	1	10		167	7	85	71
325	Chemicals	7,459	512	23	10	3,317	3,079	200	0	894	576
325110	Petrochemicals	1,949	27	0	1	405	1,585	·	0	373	442
325120	Industrial Gases	D	91	0	*	D	1	0	0	D	D
325180	Other Basic Inorganic Chemical Manufacturing	507	88	22	*	236	24	26	0	111 49	0
325193	Ethyl Alcohol	488	37	0		383		20	0		0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	364 D	16 64	0	1 3	125	170	9	0	43	U
325199 325211	All Other Basic Organic Chemical Manufacturing Plastics Materials and Resins	ں 1,578		0	3 1	418 588	292 937	29		106 96	b 85
325211	Synthetic Rubber	1,578	41	0	1 *	588 27	937	0	0	13	85 0
325212	Synthetic Rubber Artificial and Synthetic Fibers and Filaments	25	4 8	0	*	27 17		2	0		0
325220	Nitrogenous Fertilizers	572	8 D	0	*	539		0	0	D	0
325311		125	10	-	3	539	1 *	114	0	b	
325312	Phosphatic Fertilizers	125	10		3	5	<u>*</u>	114	U	*	6

3254	Pharmaceuticals and Medicines	120	46	0	* 70	*	*	0	3	*
325412	Pharmaceutical Preparation	62	22	0	* 38	*	0	0	1	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	7	2	0	* 3	*	0	0	2	0
326	Plastics and Rubber Products	361	241	*	* 108	6	0	0	Q	0
327	Nonmetallic Mineral Products	1,168	211	*	17 418	3	193	7	318	*
327120	Clay Building Material and Refractories	39	5	0	* 31	*	1	0	2	0
327211	Flat Glass	44	5	0	* 38	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	26	7	0	* 19	*	0	0	*	0
327213	Glass Containers	54	12	0	* 42	*	0	0	*	0
327215	Glass Products from Purchased Glass	Q	13	0	* 9	*	0	0	Q	0
327310	Cements	362	44	0	3 90	*	121	4	100	0
327410	Lime	103	5	0	1 26	*	56	2	13	0
327420	Gypsum	77	6	*	* 70	*	0	0	*	0
327993	Mineral Wool	47	14	0	* 32	*	*	1	*	0
331	Primary Metals	1,364	339	*	8 659	4	213	215	23	98
331110	Iron and Steel Mills and Ferroalloys	943	186	*	4 421	*	213	199	17	97
3312	Steel Products from Purchased Steel	55	19	0	2 33	*	0	*	1	*
3313	Alumina and Aluminum Production and Processing	193	68	0	1 119	1	0	0	5	*
331314	Secondary Smelting and Alloying of Aluminum	22	2	0	* 20	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	84	21	0	1 62	*	0	0	*	*
331318	Other Aluminum Rolling, Drawing and Extruding	26	7	0	* 18	*	0	0	*	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	85	33	0	* 44	2	*	6	*	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	30	15	0	* 14	*	*	*	*	0
3315	Foundries	88	34	0	* 43	1	*	10	*	*
331511	Iron Foundries	38	16	0	* 12	*	*	10	*	*
331523	Nonferrous Metal Die-Casting Foundries	23	7	0	* 16	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	6	2	0	* 4	*	0	0	*	0
332	Fabricated Metal Products	441	143	*	2 276	5	0	0	Q	0
333	Machinery	147	76	0	3 64	4	0	0	*	0
334	Computer and Electronic Products	227	95	*	* 32	*	0	0	Q	0
334413	Semiconductors and Related Devices	68	47	*	* 19	*	0	0	Q	0
335	Electrical Equip., Appliances, and Components	87	40	0	Q 37	*	0	9	*	0
336	Transportation Equipment	307	159	*	1 133	3	0	0	11	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	77	27	0	* 40	*	0	0	9	0
3364	Aerospace Product and Parts	64	33	0	* 29	*	0	0	1	0
336411	Aircraft	18	9	0	* 8	*	0	0	*	0
337	Furniture and Related Products	51	Q	0	* 14	1	*	0	4	0
339	Miscellaneous	57	33	0	* 24	*	0	0	*	0
	Subtotal	20,188	2,674	33	83 7,866	3,150	899	240	5,991	747
	Miscellaneous Nonfuel Products ¹	499	0	0	0 0	0	0	0	499	0
	Total	20,687	2,674	33	83 7,866	3,150	899	240	6,490	747
		Northeast Census F								
311	Food	78	25	*	Q 50	1	0	0	*	0
3112	Grain and Oilseed Milling	4	2	0	. 2	*	0	0	*	0
311221	Wet Corn Milling and Starch Manufacturing	0	0	0	0 0	0	0	0	0	0
31131	Sugar Manufacturing	2	1	0	0 2	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	9	3	*	* 5	*	0	0	*	0
3115	Dairy Product Manufacturing	21	6	*	* 15	*	0	0	*	0
3116	Animal Slaughtering and Processing	12	4	0	* 7	*	0	0	*	0
312	Beverage and Tobacco Products	16	6	0	* 10	*	0	0	*	0
3121	Beverages	15	6	0	* 9	*	0	0	*	0
3122	Tobacco	1	*	0	0 1	*	0	0	0	0
313	Textile Mills	6	2	0	* 3	*	0	0	*	0
314	Textile Product Mills	Q	*	0	0 Q	*	0	0	*	0

315	Apparel	1	*	0	* *	* 0 0	0	0
316	Leather and Allied Products	*	*	0	* *	* 0 0	*	0
321	Wood Products	42	5	*	1 5	* * (31	0
321113	Sawmills	8	2	*	1 *	* 0 0	5	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	28	1	*	* 3	* 0 0	24	0
321219	Reconstituted Wood Products	15	*	*	* 3	* 0 0	12	0
3219	Other Wood Products	6	2	0	* 2	* * () 1	0
322	Paper	205	21	3	1 100	1 5 (75	0
322110	Pulp Mills	D	*	0	0 4	* 0 () D	0
322120	Paper Mills	123	9	2	* 59	* 2 (51	0
322130	Paperboard Mills	18	4	0	* 14	* 0 () 1	0
323	Printing and Related Support	11	6	*	* 4	* 0 () *	0
324	Petroleum and Coal Products	326	8	*	2 48	2 0 0	267	1
324110	Petroleum Refineries	123	6	*	* 33	2 0 (81	0
324121	Asphalt Paving Mixture and Block	188	1	*	1 12	* 0 (174	1
324122	Asphalt Shingle and Coating Materials	12	*	0	* 1	* 0 () 11	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	1	*	0	* *	* 0 () *	0
324199	All Other Petroleum and Coal Products Manufacturing	2	*	0	* 2	* 0 (0	0
325	Chemicals	184	65	*	Q 97	3 0 0	19	2
325110	Petrochemicals	3	1	0	* 0	2 0 0	0	0
325120	Industrial Gases	34	33	0	* 1	* 0 (1	1
325180	Other Basic Inorganic Chemical Manufacturing	16	5	0	* 11	* 0 (*	0
325193	Ethyl Alcohol	3	*	0	0 3	* 0 (0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	*	*	0	0 *	* 0 0	0	0
325199	All Other Basic Organic Chemical Manufacturing	49	5	*	* 44	* 0 0	1	1
325211	Plastics Materials and Resins	13	4	0	* 7	* 0 0) 1	0
325212	Synthetic Rubber	*	*	0	0 *	* 0 0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	*	0	0 *	* 0 0	*	0
325311	Nitrogenous Fertilizers	*	*	0	* *	* 0 0	0	0
325312	Phosphatic Fertilizers	*	*	0	* 0	* 0 0	0	0
3254	Pharmaceuticals and Medicines	30	11	0	* 19	* 0 0	*	0
325412	Pharmaceutical Preparation	13	5	0	* 8	* 0 0	*	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	4	1	0	* 1	* 0 0) 2	0
326	Plastics and Rubber Products	67	25	*	* 37	Q 0 0) Q	0
327	Nonmetallic Mineral Products	154	12	*	2 53	* 11 (0
327120	Clay Building Material and Refractories	5	1	0	* 2	* 1	*	0
327211	Flat Glass	6	1	0	0 5	* 0 0	0	0
327212	Other Pressed and Blown Glass and Glassware	4	1	0	* 3	* 0 0	*	0
327213	Glass Containers	7	2	0	* 6	* 0 0	*	0
327215	Glass Products from Purchased Glass	Q	1	0	* 1	* 0 0) Q	0
327310	Cements	27	3	0	* 17	* 3 0) 3	0
327410	Lime	9	*	0	* 3	0 6 0	0	0
327420	Gypsum	11	1	*	* 10	* 0 0	0	0
327993	Mineral Wool	3	*	0	* 3	* 0 0	*	0
331	Primary Metals	149	36	0	* 68	* 123 2	. 3	83
331110	Iron and Steel Mills and Ferroalloys	92	14	0	* 38	* 123 *	*	83
3312	Steel Products from Purchased Steel	10	3	0	* 7	* 0 *	*	0
3313	Alumina and Aluminum Production and Processing	25	10	0	* 13	* 0 0) 2	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		0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	3	1	0	* 2	* 0 *	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	*	0
331524	Aluminum Foundries, except Die-Casting	1	*	0	* *	*	0	0	*	0
332	Fabricated Metal Products	63	23	*	* 38	*	0	0	*	0
333	Machinery	15	6	0	* Q	Q	0	0	*	0
334	Computer and Electronic Products	23	15	*	* 8	*	0	0	*	0
334413	Semiconductors and Related Devices	14	8	*	* 5	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	20	7	0	* 4	*	0	9	*	0
336	Transportation Equipment	28	12	0	* 14	Q	0	0	1	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	*	0	0 *	0	0	0	*	0
3364	Aerospace Product and Parts	10	3	0	* 6	*	0	0	1	0
336411	Aircraft	2	1	0	* 1	*	0	0	*	0
337	Furniture and Related Products	3	1	0	* 1	*	0	0	*	0
339	Miscellaneous	7	3	0	* 4	*	0	0	*	0
	Total	1,400	279	4	10 555	14	139	10	475	86
		Midwest Census Reg								
311	Food	587	122	*	4 327	Q	90	1	40	0
3112	Grain and Oilseed Milling	282	45	*	1 135	*	66	0	35	0
311221	Wet Corn Milling and Starch Manufacturing	161	26	0	* 65	*	40	0	29	0
31131	Sugar Manufacturing	37	2	*	* 9	*	24	1	*	0
3114	Fruit and Vegetable Preserving and Specialty Food	31	9	0	* 21	*	0	0	*	0
3115	Dairy Product Manufacturing	66	18	*	1 42	Q	0	0	Q	0
3116	Animal Slaughtering and Processing	105	30	*	2 72	1	0	0	1	0
312	Beverage and Tobacco Products	22	10	0	* 12	*	0	0	*	0
3121	Beverages	22	10	0	* 12	*	0	0	*	0
3122	Tobacco	*	*	0	0 *	*	0	0	0	0
313	Textile Mills	2	1	0	* 1	*	0	0	0	0
314	Textile Product Mills	3	1	0	0 2	*	0	0	0	0
315	Apparel	*	*	0	0 *	0	0	0	0	0
316	Leather and Allied Products	2	*	0	* Q	*	0	0	*	0
321	Wood Products	45	10	0	3 15	1	0	0	17	0
321113	Sawmills	6	1	0	* 2	*	0	0	2	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	18	3	0	* 8	*	0	0	6	0
321219	Reconstituted Wood Products	14	2	0	* 6	*	0	0	6	0
3219	Other Wood Products	19	5	0	* 5	*	0	0	Q	0
322	Paper	248	39	*	* 118	*	4	0	86	0
322110	Pulp Mills	D	1	0	* 4	*	0	0	D	0
322120	Paper Mills	109	12	*	* 43	*	3	0	51	0
322130	Paperboard Mills	61	11	*	* 37	*	0	0	12	0
323	Printing and Related Support	24	13	0	0 11	*	0	0	*	0
324	Petroleum and Coal Products	1,017	35	*	2 164	3	132	- 7	674	1
324110	Petroleum Refineries	541	34	0	1 139	3	0	0	364	0
324121	Asphalt Paving Mixture and Block	241	1	*	1 16	*	0	0	222	0
324122	Asphalt Shingle and Coating Materials	92	<u>-</u>	0	* 3	*	0	0	87	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	2	<u>-</u>	0	* 2	*	0	0	*	0
324199	All Other Petroleum and Coal Products Manufacturing	141			* 3	*	132	7	1	1
325	Chemicals	1,277	145	3	1 783	128	133		90	6
325110	Petrochemicals	1	*		0 *	*	0	0	*	0
325120	Industrial Gases	28	23	0	0 5	*	0	0	0	*
325120	Other Basic Inorganic Chemical Manufacturing	36	 7	3	* 19	*	0	0	6	0
325180	Ethyl Alcohol	463	/ 	<u>3</u> 0	* 361	*	20	0	47	0
325193	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	463 7	35 1	0	* 361	*	20 1	0	3	
325194		47	12	0	* 21		0	0	3 11	0
	All Other Basic Organic Chemical Manufacturing				. 21	4	0 0			0
325211	Plastics Materials and Resins	177	11	0	* 38	123		0	5	
325212	Synthetic Rubber	1	·	0	0 *	·	0	0	0	0

325312 Phosphaltic Fertilizers 113 4	325220	Artificial and Synthetic Fibers and Filaments	1	*	0	0	*	*	0	0	0	0								
1541 Pharmaceutain Affordioms 154 1	325311	Nitrogenous Fertilizers	177	D	0	*	155	*	0	0	D	0								
Part	325312	Phosphatic Fertilizers	113	4	*	*	2	*	112	0	*	6								
State Process Proces	3254	Pharmaceuticals and Medicines	54	17	0	*	35	*	*	0	2	*								
Pastics and number Products 186 197 9 34 0 0 0 0 0 0 0 0 0	325412	Pharmaceutical Preparation	28	7	0	*	20	*	0	0	Q	0								
Section Comment Comm	325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	*	0	*	*	*	0	0	0	0								
1727211 Tel Cises 1	326	Plastics and Rubber Products	136	102	*	*	34	Q	0	0	*	0								
15	327	Nonmetallic Mineral Products	294	48	0		105	1	54	1	Q	0								
1		Clay Building Material and Refractories		1				*	0		*									
Second Comment Seco				2				*			0									
1272.15 Glas Products from Purchased Glass 8 5 0 1 21 2 28 29 0 0 2072410 Lime 46 6 2 0 1 12 2 28 29 0 0 2072410 Lime 46 6 2 0 1 11 2 1 0 0 0 0 0 0 0 0 0		Other Pressed and Blown Glass and Glassware						*	0		*									
Secondary Secondary Membra Secondary Secon		Glass Containers	15	3	0			*	0	0	*									
327400 Ume		Glass Products from Purchased Glass				*		*			*									
1								*												
				2				*			6									
Primary Metals 760 120 70 130 50 79 180 12 14 13111 10 10 10 10 10 10				_				*		0	*									
State Final Precise Fina								*		*	*									
3313 Alumina no Alumina modulation and Processing 56 16 0 8 39 0 0 0 0 0 0 0 0 0		,			*			3												
313134 Aluminan Aluminum Production and Processing 56 16 0 1 39 1 0 0 0 0 0 0 0 0 0					*			*			12									
Salisia Secondary Smelting and Alloying of Aluminum 9 1 0 1 8 0 0 7 0 0 3 3 3 3 3 3 3 3								*			*									
Section Sect								*			*									
Salisia Monimum Rolling, Drawing and Extruding Salisia Sal		Secondary Smelting and Alloying of Aluminum	9	1	0			*	0	0	*	0								
33141 Nonferrous Metal (escept Aluminum) Production and Processing 1 1 2 0 1 1 0 0 0 0 0 0 0								*			*	0								
Salida Nonferrous Metal (except Aluminary) Snelting and Refining 1		Other Aluminum Rolling, Drawing and Extruding						*	0	-	*									
Sality Foundries Foundri		, ,		5				1			*									
Salistia Iron Foundries Salistia Salist		Nonferrous Metal (except Aluminum) Smelting and Refining		*				*	0		*	0								
Sasistical Nonferrous Metal Die Casting Foundries 18								*	*		*	*								
Salas Sala								*	*		*	*								
Salation Salation				4				*			*									
Sage Machinery Sage Sa								*			*									
334 Computer and Electronic Products 128 Q 0 * 5 * 0 Q Q 334413 Semiconductors and Related Devices 33 2 0 * 11 * 0 0 * 0 * 0 356 Electrical Equip, Appliances, and Components 28 13 0 * 14 * 0 0 6 0 336 Transportation Equipment 155 78 0 * 69 1 0 0 6 0 33610 Automobile and Light Duty Motor Vehicle Manufacturing 43 13 0 * 25 * 0 0 5 0 33641 Aircraft 4 2 0 * 22 * 0 0 0 0 1 0 337 Furniture and Related Products 15 7 0 * 7 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								2			*									
33413 Semiconductors and Related Devices 3 2 0 1 1 0 0 0 0 0 0 0								1			*									
Selectrical Equips, Appliances, and Components 28 13 0 * 14 * 0 0 * 0 * 0 336 Transportation Equipment 155 78 0 * 69 1 0 0 6 0 0 3361 0 Automobile and Light Duty Motor Vehicle Manufacturing 17 8 0 * 18 * 0 0 0 1 0 0 5 0 0 3364 Aerospace Product and Parts 17 8 0 * 8 * 8 * 0 0 0 1 0 0 336411 Aircraft 4 2 0 * 7 0 * 7 0 0 0 0 0 0 0 0 0								*			Q									
Same Companies Companies								*			*									
Sabila Mutmobile and Light Duty Motor Vehicle Manufacturing 133 78 0 10 10 0 0 0 0 0 0								*			*	-								
3364 Aerospace Product and Parts 17 8 0 * 8 * 0 0 1 0 336411 Aircraft 4 2 0 * 2 * 0 0 * 0 337 Furniture and Related Products 15 7 0 * 7 0 0 0 0 0 0 0 339 Miscellaneous 29 16 0 * 14 * 0 0 * 0 0 Total 4,989 873 3 18 2,154 147 491 218 1,105 21 South Census Region South Census Region <td <="" colspan="8" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</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>1</td> <td></td> <td></td> <td></td> <td></td>															1				
Sacial Aicroplace Fround and Paris Sacial Sacial								*												
Alteral Alte								*			1									
339 Miscellaneous 29 16 0							-	*			*									
Total Aj88 873 3 18 2,154 147 491 218 1,105 21								*			Q									
South Census Region South Census Region	339							*			*									
311 Food 386 79 * 3 201 2 * 0 100 0 3112 Grain and Oilseed Milling 47 11 * * 30 * * 0 6 0 31121 Wet Corn Milling and Starch Manufacturing 8 1 0 * 4 * * 0 3 0 3113 Sugar Manufacturing 105 2 0 * 10 * 0 93 0 3114 Fruit and Vegetable Preserving and Specialty Food 28 7 0 * 20 * 0 0 * 0 3115 Dairy Product Manufacturing 38 7 0 1 30 * 0 0 * 0 3116 Animal Slaughtering and Processing 107 36 0 1 30 * 0 0 1 0 312 Beverage and Tobacco Products Q 26 0 * Q * 1 0 * 0 0 3121 Beverages Q 23 0 * Q * 1 0 * 0 0 * 0 3122 Tobacco <td></td> <td>Total</td> <td>4,989</td> <td>873</td> <td>3</td> <td>18</td> <td>2,154</td> <td>147</td> <td>491</td> <td>218</td> <td>1,105</td> <td>21</td>		Total	4,989	873	3	18	2,154	147	491	218	1,105	21								
311 Food 386 79 * 3 201 2 * 0 100 0 3112 Grain and Oilseed Milling 47 11 * * 30 * * 0 6 0 31121 Wet Corn Milling and Starch Manufacturing 8 1 0 * 4 * * 0 3 0 3113 Sugar Manufacturing 105 2 0 * 10 * 0 93 0 3114 Fruit and Vegetable Preserving and Specialty Food 28 7 0 * 20 * 0 0 * 0 3115 Dairy Product Manufacturing 38 7 0 1 30 * 0 0 * 0 3116 Animal Slaughtering and Processing 107 36 0 1 30 * 0 0 1 0 312 Beverage and Tobacco Products Q 26 0 * Q * 1 0 * 0 0 3121 Beverages Q 23 0 * Q * 1 0 * 0 0 * 0 3122 Tobacco <td></td>																				
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3122 100acc0 6 2 0 4 0 0 0								*			*									
313 1eXtile Mills								*			*									
	313	I EXTIIE IVIIIIS	47	26			19			0	2	0								

314	Textile Product Mills	15	8	0	* 7	*	0	0 *	0
315	Apparel	2	1	0	* 1	*	0	0 *	0
316	Leather and Allied Products	*	*	0	* *	*	0	0 *	0
321	Wood Products	237	40	0	6 43	1	0	0 146	0
321113	Sawmills	126	17	0	4 12	*	0	0 93	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	75	10	0	1 19	*	0	0 45	0
321219	Reconstituted Wood Products	40	6	0	* 11	*	0	0 22	0
3219	Other Wood Products	29	11	0	1 Q	*	0	0 7	0
322	Paper	1,386	87	3	3 342	2	21	0 927	0
322110	Pulp Mills	306	3	1	1 48	*	2	0 252	0
322120	Paper Mills	184	22	*	1 64	*	8	0 88	0
322130	Paperboard Mills	818	37	2	2 201	*	11	0 565	0
323	Printing and Related Support	14	9	0	* 5	*	0	0 0	0
324	Petroleum and Coal Products	2,205	96	1	4 606	13	29	0 1,526	70
324110	Petroleum Refineries	1,845	92	0	2 567	12	0	0 1,172	0
324121	Asphalt Paving Mixture and Block	188	2	1	2 19	*	0	0 164	0
324122	Asphalt Shingle and Coating Materials	113	1	0	* 6	*	0	0 106	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	12	2	0	* 11	*	0	0 *	0
324199	All Other Petroleum and Coal Products Manufacturing	46	*	0	* 3	*	29	0 84	70
325	Chemicals	5,810	263	19	8 2,343	2,946	37	0 760	567
325110	Petrochemicals	1,945	26	0	1 405	1,583	*	0 373	442
325120	Industrial Gases	D	24	0	* D	1	0	0 D	D
325180	Other Basic Inorganic Chemical Manufacturing	401	64	19	* 189	24	1	0 103	0
325193	Ethyl Alcohol	12	1	0	* 11	*	0	0 *	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	336	15	0	* 120	170	2	0 29	0
325199	All Other Basic Organic Chemical Manufacturing	D	45	0	2 333	288	29	0 87	D
325211	Plastics Materials and Resins	1,385	24	0	1 541	815	0	0 89	84
325212	Synthetic Rubber	47	4	0	* 26	2	2	0 13	0
325220	Artificial and Synthetic Fibers and Filaments	24	8	0	* 16	*	0	0 *	0
325311	Nitrogenous Fertilizers	386	8	0	* 377	*	0	0 *	0
325312	Phosphatic Fertilizers	9	4	0	3 1	*	1	0 *	0
3254	Pharmaceuticals and Medicines	25	12	0	* 12	*	0	0 *	0
325412	Pharmaceutical Preparation	14	7	0	* 7	*	0	0 *	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	1	1	0	* 1	*	0	0 *	0
326	Plastics and Rubber Products	134	96	0	* 32	2	0	0 Q	0
327	Nonmetallic Mineral Products	439	111	0	10 185	1	61	3 67	0
327120	Clay Building Material and Refractories	26	3	0	* 20	*	0	0 2	0
327211	Flat Glass	17	2	0	* 14	*	0	0 *	0
327212	Other Pressed and Blown Glass and Glassware	13	4	0	* 9	*	0	0 *	0
327213	Glass Containers	19	4	0	* 15	*	0	0 *	0
327215	Glass Products from Purchased Glass	9	6	0	* 4	*	0	0 *	0
327310	Cements	169	19	0	2 49	*	41	2 58	0
327410	Lime	37	2	0	1 11	*	17	1 5	0
327420	Gypsum	40	3	0	* 36	*	0	0 *	0
327993	Mineral Wool	17	5	0	* 12	*	*	* *	0
331	Primary Metals	398	164	0	5 207	1	10	5 7	*
331110	Iron and Steel Mills and Ferroalloys	227	95	0	1 116	*	10	* 4	0
3312	Steel Products from Purchased Steel	19	7	0	2 10	*	0	0 *	0
3313	Alumina and Aluminum Production and Processing	102	39	0	1 60	*	0	0 3	*
331314	Secondary Smelting and Alloying of Aluminum	11	1	0	* 10	*	0	0 *	0
331315	Aluminum Sheet, Plate and Foils	35	9	0	* 26	*	0	0 *	*
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	0	* 7	*	0	0 *	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	31	16	0	* 12	*	0	3 *	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12	9	0	* 2	*	0	0 *	0
3315	Foundries	19	8	0	* 9	*	*	2 *	0

331511	Iron Foundries	8	4	0	* 3	*	*	2	*	0
331523	Nonferrous Metal Die-Casting Foundries	6	2	0	* 4	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	1	*	0	* *	*	0	0	0	0
332	Fabricated Metal Products	Q	47	0	Q Q	1	0	0	Q	0
333	Machinery	35	21	0	1 12	Q	0	0	*	0
334	Computer and Electronic Products	34	26	0	* 8	*	0	0	*	0
334413	Semiconductors and Related Devices	24	19	0	* 5	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	35	18	0	* 17	*	0	0	*	0
336	Transportation Equipment	98	55	*	1 37	1	0	0	4	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	32	13	0	* 15	*	0	0	4	0
3364	Aerospace Product and Parts	17	11	0	* 5	*	0	0	*	0
336411	Aircraft	6	4	0	* 2	*	0	0	*	0
337	Furniture and Related Products	Q	Q	0	* 4	*	*	0	3	0
339	Miscellaneous	12	10	0	* 2	*	0	0	*	0
	Total	11,723	1,205	24	42 4,389	2,972	159	8	3,562	637
311	Food	West Census Regio	on 45	*	7 127	*	3	*	2	0
3112	Grain and Oilseed Milling	6	3	*	* 3	*	0	0	·*	0
311221	Wet Corn Milling and Starch Manufacturing	·*	*	0	0 *	*	0	0		0
311221	Sugar Manufacturing	23	<u>1</u>	0	* 19	*	3	*	*	0
31131	Fruit and Vegetable Preserving and Specialty Food	54	11	0	* 42	*	0	0	1	0
3115	Dairy Product Manufacturing	46	13	0	* 32	*	0	0	*	0
3116	Animal Slaughtering and Processing	22	6	0	* 15	*	0	0	*	0
312	Beverage and Tobacco Products	25	10	0	* 15	*	0	0	*	0
3121	Beverages Beverages	25	10	0	* 15	*	0	0	·*	0
3121	Tobacco			0	0 *	0	0	0		0
3122	Textile Mills	2	<u>-</u>	0	0 1		0	0	·····*	0
314	Textile Product Mills	2	<u>1</u> 1	0	0 1		0	0		0
315	Apparel	<u>Z</u>		0	0 *	0	0	0	0	0
316	Leather and Allied Products	*	*	0	0 *	*	0	0	0	0
321	Wood Products	92	15	0	2 17	1	0	0	57	0
321113	Sawmills	59		0	2 4	*	0	0	46	0
321113		24	5	0	* 8		0	0	10	0
321219	Veneer, Plywood, and Engineered Wood Product Manufacturing Reconstituted Wood Products	4	2	0	* 2	*	0	0	1	0
321219	Other Wood Products	4	3	0	* Z		0	0	1	0
3219		165	23	2	* 57	*	2	0	81	0
322110	Paper Pulp Mills		23 *	<u>2</u> 1	* *	0	0	0	81	0
322110	Paper Mills	59	13	0	* 22	*	0	0	25	0
322120	Paper Wills Paperboard Mills		13 8	1	* 27		2	0	51	0
322130	Printing and Related Support		8 3	1	0 2	*	0	0	21	0
324	Petroleum and Coal Products	916	21	·····*	1 293	10	- 7	0	586	
324110	Petroleum Refineries	805	19	*	* 282	10		0	494	Q 0
324110	Asphalt Paving Mixture and Block	76	19	*	* 7	*	0	0	69	
324121	Asphalt Shingle and Coating Materials	25		0	* 1	*	0	0	24	Q 0
324122	Petroleum Lubricating Oil and Grease Manufacturing	*	*	0	0 *	*	0	0	0	0
324191	All Other Petroleum and Coal Products Manufacturing	9	*	0	0 2	*	7	0	0	0
325	Chemicals	.	38	0	* 94	1	31	0	0 25	
325110	Petrochemicals	188	*	0	0 0	0	31	0	25	2
325110	Industrial Gases	36	10	0	0 0	*	0	0	0	0
325120	Other Basic Inorganic Chemical Manufacturing	55	10	0	* 18	*	24	0	2	2
325180	Ethyl Alcohol	10	1	0	* 8	*	24	0	2	0
325193		20	<u>1</u> 1	0	* 2	*	6	0	11	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals All Other Basic Organic Chemical Manufacturing	30	1 2	0	* 20	*	0	0	11 7	0
325199	Plastics Materials and Resins	30 3	<u>Z</u> 1	0	* 20	*	0	0	·*	0
222211	Fiasics Midterials and vesilis		<u>_</u>	U				U	·	

325212	Synthetic Rubber	*	*	0	0 *	*	0 0	*	0
325220	Artificial and Synthetic Fibers and Filaments	*	*	0	0 *	*	0 0	0	0
325311	Nitrogenous Fertilizers	10	2	0	* 6	1	0 0	*	0
325312	Phosphatic Fertilizers	3	1	0	* 2	*	0 0	*	0
3254	Pharmaceuticals and Medicines	12	6	0	* 5	*	0 0	*	0
325412	Pharmaceutical Preparation	6	4	0	* 3	*	0 0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	2	1	0	* 1	*	0 0	*	0
326	Plastics and Rubber Products	23	18	0	0 Q	*	0 0	*	0
327	Nonmetallic Mineral Products	281	39	0	2 76	1 6	57 3	Q	*
327120	Clay Building Material and Refractories	2	*	0	* 2	*	0 0	*	0
327211	Flat Glass	5	1	0	0 4	*	0 0	0	0
327212	Other Pressed and Blown Glass and Glassware	1	*	0	* 1	*	0 0	0	0
327213	Glass Containers	12	3	0	* 9	*	0 0	*	0
327215	Glass Products from Purchased Glass	2	1	0	0 1	*	0 0	*	0
327310	Cements	84	11	0	* 12	* 2	19 2	10	0
327410	Lime	11	1	0	* 1	*	7 1	2	0
327420	Gypsum	15	1	0	* 14	*	0 0	*	0
327993	Mineral Wool	4	2	0	* 2	*	0 0	*	0
331	Primary Metals	58	20	0	* 34	*	1 *	1	*
331110	Iron and Steel Mills and Ferroalloys	18	7	0	* 9	*	1 0	1	0
3312	Steel Products from Purchased Steel	7	2	0	* 5	*	0 0	*	*
3313	Alumina and Aluminum Production and Processing	10	3	0	* 7	*	0 0	*	0
331314	Secondary Smelting and Alloying of Aluminum	1	*	0	* 1	*	0 0	0	0
331315	Aluminum Sheet, Plate and Foils	5	2	0	* 3	*	0 0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	3	1	0	* 2	*	0 0	*	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	18	7	0	* 11	*	* 0	*	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	13	5	0	* 9	*	* 0	*	0
3315	Foundries	5	2	0	* 3	*	0 *	*	0
331511	Iron Foundries	2	*	0	* 1	*	0 *	*	0
331523	Nonferrous Metal Die-Casting Foundries	1	*	0	* 1	*	0 0	*	0
331524	Aluminum Foundries, except Die-Casting	*	*	0	0 *	*	0 0	*	0
332	Fabricated Metal Products	39	24	0	* 14	1	0 0	*	0
333	Machinery	13	8	0	* 4	Q	0 0	*	0
334	Computer and Electronic Products	42	29	0	* 12	*	0 0	Q	0
334413	Semiconductors and Related Devices	28	18	0	* 8	*	0 0	Q	0
335	Electrical Equip., Appliances, and Components	4	2	0	* Q	*	0 0	*	0
336	Transportation Equipment	26	14	0	* 12	*	0 0	*	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	2	1	0	* 1	*	0 0	*	0
3364	Aerospace Product and Parts	21	10	0	* 10	*	0 0	*	0
336411	Aircraft	6	3	0	* 3	*	0 0	*	0
337	Furniture and Related Products	3	1	0	0 1	*	0 0	*	0
339	Miscellaneous	9	5	0	* 3	*	0 0	*	0
	Total	2,076	316	2	14 769	17 11	10 3	849	3

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey, and Office of Energy Production, Conversion & Delivery, Form EIA-810, Monthly Refinery Report for 2022

Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstock or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; wood chips, bark, and wood waste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

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

b Total is the sum of all the listed energy sources, including Other, minus the Shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes.

^c 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).

^d Distillate fuel oil includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

e 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.

f 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).

- ^g 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 or as feedstock/raw material inputs. See also Footnote i.
- h Shipments of energy sources produced onsite are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use. Any onsite consumption of coke is not counted as first use because it would duplicate the coal use. If some of the coke is then sold to another establishment, that second establishment will consider this coke to be a shipment of an offsite-produced energy source. Hence, the second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

Previously, the Manufacturing Energy Consumption Survey (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, Feedstock and Offsite-Produced Fuel at Petroleum Refineries). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the Other column. However, other Miscellaneous Nonfuel Products (that is, lubricants, solvents, waxes, and special naphthas) from refineries and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the Miscellaneous Nonfuel Products used in manufacturing was derived using EIA's U.S. Product Supplied for Crude Oil and Petroleum Products data.

* 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 1.2 Relative standard errors for table 1.2

Unit: Percentage

NAICS code ^a	Subsector and industry	Total ^o	Net electricity ^c	Residual fuel oil	Distillate N fuel oil ^a	latural gas ^e	HGL (excluding natural gasoline) [†]	Coal	Coke and breeze	Other ^g	Shipments of energy sources produced onsite ⁿ
		Total United St	ates								
311	Food	2.4	3.2	40.5	20.0	3.5	36.4	0.0	0.0	1.5	X
3112	Grain and Oilseed Milling	2.4	2.9	15.6	6.0	4.1	16.5	0.0	X	0.6	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	2.7	3.0	0.0	16.5	3.0	11.7	Х	X	19.0	X
3115	Dairy Product Manufacturing	3.9	4.0	74.0	21.3	3.4	77.0	Х	X	59.4	X
3116	Animal Slaughtering and Processing	4.3	4.0	0.0	5.0	5.0	25.5	Х	X	9.6	X
312	Beverage and Tobacco Products	40.1	17.8	X	22.2	49.8	9.7	0.0	X	36.7	X
3121	Beverages	41.2	18.7	X	25.0	50.9	10.8	0.0	X	36.9	X
3122	Tobacco	0.0	0.0	X	0.0	0.0	0.0	Х	X	0.0	X
313	Textile Mills	6.6	6.5	X	78.1	10.5	6.4	42.2	Х	12.8	X
314	Textile Product Mills	10.9	13.3	X	54.8	13.5	55.3	Х	X	98.7	X
315	Apparel	11.2	11.3	X	96.8	17.9	27.5	Х	X	0.0	X
316	Leather and Allied Products	33.0	4.9	Х	34.7	44.4	13.6	Х	Х	91.3	X
321	Wood Products	2.7	6.5	37.3	10.3	7.2	12.3	99.0	Х	2.5	X
321113	Sawmills	2.2	2.1	38.7	4.7	7.5	8.0	Х	Х	2.7	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.6	2.8	0.0	22.1	2.0	8.1	Х	Х	1.6	X
321219	Reconstituted Wood Products	1.1	3.2	0.0	0.0	2.7	26.6	Х	Х	0.1	X
3219	Other Wood Products	15.9	20.7	X	27.2	26.0	16.4	99.0	X	26.5	X
322	Paper	0.5	2.6	0.9	0.4	1.4	16.6	0.9	X	0.1	X
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0	X
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0	X
323	Printing and Related Support	11.5	12.3	99.0	58.4	13.8	22.2	Х	Х	88.6	X
324	Petroleum and Coal Products	0.7	0.1	15.7	3.0	0.2	0.2	0.0	0.0	0.9	1.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	Х	Х	0.0	Х
324121	Asphalt Paving Mixture and Block	3.9	3.8	17.4	5.4	4.0	6.1	Х	Х	4.1	39.4
324122	Asphalt Shingle and Coating Materials	4.9	1.1	Х	0.0	0.6	2.3	Х	Х	5.2	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	10.4	1.8	Х	4.1	12.5	9.3	Х	Х	0.3	X
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	0.0
325	Chemicals	1.2	3.4	0.0	8.3	2.3	0.1	0.7	Х	5.0	0.2
325110	Petrochemicals	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	0.0
325120	Industrial Gases	D	16.9	Х	7.2	D	1.2	Х	Х	D	D
325180	Other Basic Inorganic Chemical Manufacturing	8.7	2.9	0.0	23.5	3.7	0.2	0.0	Х	38.1	Х
325193	Ethyl Alcohol	2.5	2.6	Х	3.1	2.7	0.1	0.0	Х	11.9	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	Х
325199	All Other Basic Organic Chemical Manufacturing	D	2.5	0.0	4.6	2.9	0.1	0.1	Х	3.7	D
325211	Plastics Materials and Resins	0.5	7.0	Х	4.0	1.1	0.1	Х	Х	1.7	0.0
325212	Synthetic Rubber	0.1	0.5	Х	0.0	0.1	0.0	0.0	Х	0.0	X

325220	Artificial and Synthetic Fibers and Filaments	0.8	2.2	Х	0.0	0.1	0.0	Х	Х	0.0	Х
325311	Nitrogenous Fertilizers	0.0	D	Х	0.0	0.0	0.0	Х	X	D	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0
3254	Pharmaceuticals and Medicines	9.1	5.1	Х	1.4	14.1	43.6	96.1	Х	33.2	96.1
325412	Pharmaceutical Preparation	15.7	5.0	Х	1.2	24.7	5.7	Х	Х	43.2	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
326	Plastics and Rubber Products	13.9	18.6	90.7	44.7	15.8	38.7	Х	Х	53.0	X
327	Nonmetallic Mineral Products	12.3	26.5	0.0	23.6	4.9	19.6	10.5	6.3	32.3	88.8
327120	Clay Building Material and Refractories	3.4	2.5	Х	1.7	3.9	1.8	0.0	Х	11.3	Х
327211	Flat Glass	0.2	1.2	Х	0.0	0.1	0.0	Х	Х	0.0	Х
327212	Other Pressed and Blown Glass and Glassware	0.4	0.7	Х	0.0	0.5	36.4	Х	Х	21.1	X
327213	Glass Containers	0.1	0.1	Х	0.0	0.1	0.0	Х	Х	0.0	X
327215	Glass Products from Purchased Glass	72.9	2.1	Х	36.0	1.7	28.1	Х	Х	95.0	X
327310	Cements	5.9	6.1	X	3.1	2.1	0.5	13.8	9.9	7.3	X
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	X
327420	Gypsum	2.9	3.7	0.0	4.7	2.9	6.4	Х	X	0.0	X
327993	Mineral Wool	16.0	13.2	X	0.0	16.9	67.3	0.0	0.0	0.0	X
331	Primary Metals	0.2	0.3	0.0	11.6	0.2	4.0	0.1	0.5	0.1	0.0
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	0.0
3312	Steel Products from Purchased Steel	3.3	3.5	X	37.2	3.6	9.0	Х	0.0	3.2	0.0
3313	Alumina and Aluminum Production and Processing	0.2	0.2	X	0.0	0.1	16.9	X	Х	0.1	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	Х	Х	0.0	X
331315	Aluminum Sheet, Plate and Foils	0.2	0.5	X	0.0	0.1	0.5	Х	Х	0.0	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	1.0	1.4	X	0.0	0.7	26.7	Х	Х	0.1	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.3	0.9	X	3.8	1.2	5.9	0.0	13.6	8.8	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.3	0.1	Х	0.0	0.4	8.1	0.0	0.0	0.0	X
3315	Foundries	1.4	1.3	Х	2.8	1.3	4.8	13.7	7.8	1.6	0.0
331511	Iron Foundries	2.5	2.3	X	1.8	1.2	1.8	13.7	7.8	3.8	0.0
331523	Nonferrous Metal Die-Casting Foundries	2.7	2.3	X	6.3	3.1	13.9	X	X	0.7	X
331524	Aluminum Foundries, except Die-Casting	3.3	3.5	X	30.9	3.7	17.1	X	X	62.8	X
332	Fabricated Metal Products	25.2	15.5	99.5	34.3	29.5	21.1	X	X	89.0	X
333	Machinery	10.7	11.0	X	44.3	13.2	35.8	X	X	31.4	X
334	Computer and Electronic Products	24.1	15.1	0.0	29.3	8.8	29.2	X	X	52.9	X
334413	Semiconductors and Related Devices	3.5	2.1	0.0	8.8	5.9	0.3	X	X	62.0	X
335	Electrical Equip., Appliances, and Components	10.0	10.1	X	50.7	14.4	24.8	X	0.0	91.4	X
336	Transportation Equipment	5.4	6.3	96.5	7.0	6.6	25.3	X	X	3.7	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.7	1.2	X	2.0	0.5	0.3	X	X	0.1	X
3364	Aerospace Product and Parts	4.0	5.3	X	2.9	3.3	12.3	X	X	2.2	X
336411	Aircraft	4.7	5.6	X	2.5	4.3	26.3	X	X	27.4	X
337	Furniture and Related Products	32.0	50.8	X	47.1	15.9	26.1	84.0	X	25.0	X
339	Miscellaneous	15.8	16.3	X	47.5	20.5	34.5	X	X	43.3	X
	Subtotal	1.2	3.1	1.4	6.7	2.0	0.1	2.3	0.5	2.1	0.2
	Miscellaneous Nonfuel Products	0.0	X	X	X	X	X	X	X	0.0	X
	Total	1.2	3.1	1.4	6.7	2.0	0.1	2.3	0.5	2.1	0.2
		Northeast Census F	Region								
311	Food	12.4	13.8	3.8	59.9	15.7	40.8	Х	Х	26.9	X
3112	Grain and Oilseed Milling	2.6	3.8	Х	62.9	3.0	64.4	X	X	64.5	X
311221	Wet Corn Milling and Starch Manufacturing	X	Х	Х	Х	Х	Х	Х	Х	Х	X

31131	Sugar Manufacturing	0.0	0.0	Х	Х	0.0	Х	Х	Х	Х	X
3114	Fruit and Vegetable Preserving and Specialty Food	8.5	10.1	0.0	0.9	9.4	4.4	Х	Х	96.3	X
3115	Dairy Product Manufacturing	4.0	4.7	19.6	0.7	4.7	10.6	Х	X	2.6	X
3116	Animal Slaughtering and Processing	4.2	4.3	Х	21.6	5.2	28.2	Х	X	0.0	X
312	Beverage and Tobacco Products	17.6	14.0	X	20.5	20.4	23.3	Х	Х	0.0	X
3121	Beverages	18.5	14.2	X	20.5	22.0	23.6	Х	Х	0.0	X
3122	Tobacco	0.0	0.0	Х	Х	0.0	0.0	Х	X	X	Х
313	Textile Mills	13.8	13.0	Х	80.2	17.6	0.3	Х	X	76.0	Х
314	Textile Product Mills	55.8	58.7	Х	Х	67.6	66.2	Х	X	99.3	Х
315	Apparel	41.5	44.3	Х	32.0	56.7	0.0	Х	Х	Х	X
316	Leather and Allied Products	11.0	5.9	Х	37.3	12.6	41.6	Х	X	95.9	Х
321	Wood Products	2.4	7.5	37.3	9.4	12.5	28.7	99.0	X	0.8	X
321113	Sawmills	1.5	2.3	38.7	12.6	5.9	17.2	Х	Х	0.2	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	2.5	20.0	0.0	7.3	19.9	16.5	Х	Х	0.1	X
321219	Reconstituted Wood Products	4.7	28.0	0.0	0.0	20.7	0.0	Х	Х	0.0	Х
3219	Other Wood Products	12.3	14.3	Х	52.5	11.9	50.1	99.0	Х	21.7	Х
322	Paper	3.2	8.8	2.5	0.3	4.8	19.5	0.0	Х	0.1	Х
322110	Pulp Mills	D	0.0	Х	Х	0.0	0.0	Х	Х	D	X
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0	X
322130	Paperboard Mills	0.0	0.0	X	0.0	0.0	0.0	Х	Х	0.0	X
323	Printing and Related Support	23.8	23.9	99.0	62.6	27.9	51.2	Х	Х	92.9	X
324	Petroleum and Coal Products	4.2	0.9	29.5	2.8	3.2	1.0	Х	Х	4.9	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	Х	Х	0.0	X
324121	Asphalt Paving Mixture and Block	7.3	5.9	31.9	3.6	13.3	12.4	Х	Х	7.6	0.0
324122	Asphalt Shingle and Coating Materials	0.0	0.0	X	0.0	0.0	0.0	Х	Х	0.0	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	3.8	4.8	X	0.0	4.1	31.7	Х	Х	0.0	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	X	0.0	0.0	0.0	Х	Х	X	X
325	Chemicals	9.9	23.6	0.0	62.3	5.6	4.9	Х	Х	26.1	0.0
325110	Petrochemicals	0.0	0.0	X	0.0	Х	0.0	Х	Х	X	X
325120	Industrial Gases	44.2	45.4	Х	0.0	2.5	0.0	Х	Х	0.0	0.0
325180	Other Basic Inorganic Chemical Manufacturing	18.4	1.7	Х	33.7	26.6	5.2	Х	Х	0.1	X
325193	Ethyl Alcohol	0.0	0.0	Х	Х	0.0	0.0	Х	Х	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	Х	Х	0.0	0.0	Х	Х	X	X
325199	All Other Basic Organic Chemical Manufacturing	3.5	10.5	0.0	10.2	2.7	23.5	Х	Х	0.1	0.0
325211	Plastics Materials and Resins	5.6	14.6	X	0.5	3.8	26.7	Х	Х	0.1	X
325212	Synthetic Rubber	18.6	35.6	X	Х	12.7	0.0	Х	Х	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	Х	0.0	0.0	Х	Х	0.0	X
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	Х	Х	X	X
325312	Phosphatic Fertilizers	0.0	0.0	Х	0.0	Х	0.0	Х	Х	X	X
3254	Pharmaceuticals and Medicines	13.9	17.2	Х	2.5	12.8	0.5	Х	Х	0.0	X
325412	Pharmaceutical Preparation	19.5	17.3	X	0.0	21.6	0.6	Х	Х	0.0	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	X	0.0	0.0	0.0	Х	Х	0.0	X
326	Plastics and Rubber Products	25.0	26.6	92.1	49.8	30.3	87.2	Х	Х	83.1	X
327	Nonmetallic Mineral Products	44.7	7.1	0.0	43.8	4.0	41.9	0.0	Х	91.4	X
327120	Clay Building Material and Refractories	6.2	1.9	X	0.1	11.4	1.4	0.0	Х	0.2	X
327211	Flat Glass	0.0	0.0	Х	Х	0.0	0.0	Х	Х	X	X
327212	Other Pressed and Blown Glass and Glassware	1.0	1.7	X	0.0	0.8	59.2	Х	Х	0.0	X
327213	Glass Containers	0.1	0.1	X	0.0	0.1	0.0	Х	Х	0.0	X
327215	Glass Products from Purchased Glass	92.5	2.9	Х	72.1	2.9	1.7	X	Х	95.1	X

327310	Cements	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	X
327410	Lime	0.0	0.0	Х	0.0	0.0	Х	0.0	Х	X	Х
327420	Gypsum	0.0	0.0	0.0	0.0	0.0	0.0	Х	Х	Х	X
327993	Mineral Wool	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	Х
331	Primary Metals	0.3	0.7	Х	1.5	0.5	2.0	0.1	0.0	0.4	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	4.4	5.6	Х	39.9	5.1	13.1	Х	0.0	0.1	Х
3313	Alumina and Aluminum Production and Processing	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	Х
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	Х	Х	0.0	Х	Х	Х	X	Х
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	Х	0.0	0.0	0.0	Х	Х	0.0	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.4	2.4	Х	0.9	1.8	9.6	Х	0.0	11.5	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.4	0.4	Х	0.0	0.5	0.1	Х	0.0	X	X
3315	Foundries	2.9	3.5	Х	15.2	2.6	1.4	66.3	Х	3.5	X
331511	Iron Foundries	1.9	2.9	Х	29.9	0.5	1.9	66.3	Х	0.0	X
331523	Nonferrous Metal Die-Casting Foundries	3.0	3.8	Х	Х	2.9	0.2	Х	Х	71.1	X
331524	Aluminum Foundries, except Die-Casting	3.5	1.8	Х	38.1	4.7	5.2	Х	Х	0.0	X
332	Fabricated Metal Products	33.2	24.8	99.5	63.2	44.7	56.2	Х	Х	57.8	Х
333	Machinery	37.4	31.5	Х	90.9	53.8	88.5	Х	Х	98.1	X
334	Computer and Electronic Products	8.8	9.9	0.0	11.1	8.8	74.5	Х	Х	93.8	X
334413	Semiconductors and Related Devices	2.2	2.9	0.0	0.0	1.2	0.0	Х	Х	0.0	Х
335	Electrical Equip., Appliances, and Components	12.7	22.1	Х	6.5	25.4	32.5	Х	0.0	94.4	X
336	Transportation Equipment	19.1	22.5	Х	8.2	18.0	67.4	Х	Х	33.8	Х
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	0.0	Х	Х	0.0	Х	Х	Х	0.0	X
3364	Aerospace Product and Parts	5.1	11.2	Х	0.0	3.7	13.5	Х	Х	0.0	X
336411	Aircraft	11.3	36.7	Х	0.0	0.0	0.0	Х	Х	0.0	X
337	Furniture and Related Products	27.0	30.8	Х	99.0	33.1	67.2	Х	Х	56.7	X
339	Miscellaneous	31.1	25.7	Х	72.4	41.6	64.6	Х	Х	72.2	X
	Total	5.6	6.7	8.5	15.4	4.3	16.6	0.1	0.0	14.8	0.0
		Midwest Comm	- Danien								
311	Food	Midwest Censu 4.1	5.4	51.3	11.6	6.3	71.1	0.0	0.0	5.1	X
3112	Grain and Oilseed Milling	2.8	2.8	65.8	0.9	5.1	7.9	0.0	X	0.1	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	3.3	4.4	X	41.4	3.9	39.0	X	X	71.9	X
3115	Dairy Product Manufacturing	8.7	6.6	79.2	35.3	8.0	98.4	X	X	70.7	X
3116	Animal Slaughtering and Processing	8.3	9.1	0.0	8.7	8.7	48.6	X	X	0.5	X
312	Beverage and Tobacco Products	6.5	9.2	X	3.8	6.4	38.8	X	X	97.2	X
3121	Beverages	6.5	9.2	X	3.8	6.4	38.8	X	X	97.2	X
3122	Tobacco	0.0	0.0	X	X	0.0	0.0	X	X	X	X
313	Textile Mills	7.7	7.7	X	0.0	8.9	34.1	X	X	X	X
314	Textile Product Mills	36.6	32.4	X	X	43.6	63.7	X	X	X	X
315	Apparel	43.8	42.6	X	X	46.8	X	X	X	X	X
316	Leather and Allied Products	46.6	8.2	X	0.0	53.8	7.6	X	X	1.9	X
321	Wood Products	10.4	4.7	X	38.9	4.2	21.7	X	X	26.1	X
321113	Sawmills	7.6	7.1	X	34.2	17.7	6.8	X	X	8.7	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.2	2.7	X	22.7	1.7	17.3	X	X	0.2	X
321219	Reconstituted Wood Products	0.6	0.6	X	0.0	1.2	9.5	X	X	0.1	X

Post	3219	Other Wood Products	24.1	8.7	Х	42.9	11.6	32.9	Х	Х	52.7	Х
	322	Paper	2.8	6.0	0.0	1.3	4.5	30.9	7.1	Х	0.1	X
	322110	Pulp Mills	D	0.0	Х	0.0	0.0	0.0	Х	Х	D	X
	322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0	X
Petroleum and coal Products	322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	Х	Х	0.0	X
324210 Petroleum Refineries 0.0	323	Printing and Related Support	20.5	24.4	Х	Х	21.0	10.3	Х	Х	6.9	X
SAPATED Apphilat Princing Micture and Block 65 172 0.0 2.3 4.8 7.9 X X 9.1 X X 3.24122 Apphilat Simple and Consign Mictariany 1.5 1.7 X 0.0 0.6 5.2 X X 1.5 X X X 2.00 X X X 2.00 X X X 2.00 X X X X X X X X X	324	Petroleum and Coal Products	2.0	0.5	0.0	1.2	0.5	0.3	0.0	0.0	3.0	0.0
3241212 Asphalt Shingle and Coating Materials	324110	Petroleum Refineries	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
324319 Perroleum ubricating Oland Grass Manufacturing 1.8 1.5 X 0.3 2.0 4.5 X X 2.0 0.0	324121	Asphalt Paving Mixture and Block	8.5	17.2	0.0	2.3	4.8	7.9	Х	Х	9.1	X
3349 All Other Petroleum and Coal Products Manufacturing	324122	Asphalt Shingle and Coating Materials	1.5	1.7	Х	0.0	0.6	5.2	Х	Х	1.5	X
155 Chemicals 156 Chem	324191	Petroleum Lubricating Oil and Grease Manufacturing	1.8	1.5	Х	0.3	2.0	4.5	Х	Х	20.0	X
33-110	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	0.0
325100 Industrial Classes	325	Chemicals	4.8	3.8	0.0	7.7	7.6	0.6	0.1	Х	6.6	0.1
33-180 Other Basic Inorganic Chemical Manufacturing 13.6 5.4 0.0 37.5 18.6 13.7 X X 14.8 X X 325193 Ethyl Alcohol 2.6 2.7 X 3.3 2.9 0.1 0.0 X 12.3 X X 325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 0.0	325110	Petrochemicals	0.0	0.0	Х	Х	0.0	0.0	Х	Х	0.0	X
325193	325120	Industrial Gases	4.3	5.2	Х	Х	1.5	0.0	Х	Х	X	0.0
325194 Cyclic Crudes, Intermediate and Gum and Wood Chemicals 19 2.5 X 16.3 3.6 1.7 X X 1.9 X 32519 M. 10 Chee Basic Coppaign Chemical Manufacturing 19 2.5 X 16.3 3.6 1.7 X X 1.9 X 32511 Plastics Materials and Resins 0.8 3.1 X 24.0 3.2 0.1 X X 0.6 0.0	325180	Other Basic Inorganic Chemical Manufacturing	13.6	5.4	0.0	37.5	18.6	13.7	Х	Х	14.8	X
33599	325193	Ethyl Alcohol	2.6	2.7	Х	3.3	2.9	0.1	0.0	Х	12.3	X
Plastics Markerials and Resins 0.8 3.1	325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	X
325212 Synthetic Rubber 0.0 0.0 X X 0.0 0.0 X X X X X X X X X	325199	All Other Basic Organic Chemical Manufacturing	1.9	2.5	Х	16.3	3.6	1.7	Х	Х	1.9	X
325220	325211	Plastics Materials and Resins	0.8	3.1	Х	24.0	3.2	0.1	Х	Х	0.6	0.0
325220 Artificial and Synthetic Fibers and Filaments 0.0 0.0 X X 0.0 0.0 0.0 X X X X X X X 325311 Nitrogenous Fertilizers 0.0 0.	325212	Synthetic Rubber	0.0	0.0	Х	Х	0.0	0.0	Х	Х	X	X
325311 Nitrogenous Fertilizers 0.0 D X 0.0 0.0 0.0 X X D X X D X X D X X	325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	Х	Х	0.0	0.0	Х	Х	X	
Pharmaceuticals and Medicines 18.6 6.9 X 11.6 27.9 33.1 96.1 X 41.8 96.1 325412 Pharmaceutical Preparation 33.3 6.7 X 14.6 45.8 62.2 X X 67.2 X X 25.9 32592 Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing 0.0 0.0 X 0.0 0.0 0.0 0.0 X X X X X X X X X	325311		0.0	D	Х	0.0	0.0	0.0	Х	Х	D	X
Substract Pharmaceutical Preparation Substract Substract Pharmaceutical Preparation Substract Substr	325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0	0.0
Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing 0.0 0.	3254	Pharmaceuticals and Medicines	18.6	6.9	Х	11.6	27.9	33.1	96.1	Х	41.8	96.1
326 Plastics and Rubber Products 31.8 40.4 99.0 87.5 32.4 64.7 X X 96.1 X 3277 Nonmetallic Mineral Products 15.6 4.6 X 22.0 5.9 38.8 0.0 15.6 54.0 X 327212 Clay Building Material and Refractories 0.3 2.3 X 0.0 0.1 0.0 X 0.0 0.0 0.0	325412	Pharmaceutical Preparation	33.3	6.7	Х	14.6	45.8	63.2	Х	Х	67.2	X
327 Nonmetallic Mineral Products 15.6 4.6 X 22.0 5.9 38.8 0.0 15.6 54.0 X 327120 Clay Building Material and Refractories 4.9 7.2 X 6.8 4.9 4.2 X	325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	X	X
327 Nonmetallic Mineral Products 15.6 4.6 X 22.0 5.9 38.8 0.0 15.6 54.0 X 327120 Clay Building Material and Refractories 4.9 7.2 X 6.8 4.9 4.2 X	326	Plastics and Rubber Products	31.8	40.4	99.0	87.5	32.4	64.7	Х	Х	96.1	X
327120 Clay Building Material and Refractories 4.9 7.2 X 6.8 4.9 4.2 X X 15.1 X 327211 Flat Glass Ontainers 0.3 2.3 X 0.0 0.1 0.0 X	327	Nonmetallic Mineral Products	15.6	4.6	Х	22.0	5.9	38.8	0.0	15.6	54.0	
327212 Other Pressed and Blown Glass and Glassware 1.1 0.9 X 0.0 1.3 0.0 X X 0.0 X 327215 Glass Containers 0.0 0.0 X 0.0 0.0 X X 0.0 X 327215 Glass Products from Purchased Glass 1.9 2.2 X 0.0 2.9 19.3 X X 1.3 X 327310 Cements 9.8 5.0 X 6.7 0.1 0.0 0.0 0.0 X 2.9 X 3.0 0.0<	327120	Clay Building Material and Refractories	4.9	7.2	Х	6.8	4.9	4.2	Х	Х	15.1	
Sazza Glass Containers Sazza S	327211	Flat Glass	0.3	2.3	Х	0.0	0.1	0.0	Х	Х	X	X
327215 Glass Products from Purchased Glass 1.9 2.2 X 0.0 2.9 19.3 X X 1.3 X 327310 Cements 9.8 5.0 X 6.7 0.1 0.0 0.0 77.0 24.9 X 327410 Lime 0.0 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X 0.0 <td>327212</td> <td>Other Pressed and Blown Glass and Glassware</td> <td>1.1</td> <td>0.9</td> <td>Х</td> <td>0.0</td> <td>1.3</td> <td>0.0</td> <td>Х</td> <td>Х</td> <td>0.0</td> <td>X</td>	327212	Other Pressed and Blown Glass and Glassware	1.1	0.9	Х	0.0	1.3	0.0	Х	Х	0.0	X
327310 Cements 9.8 5.0 X 6.7 0.1 0.0 0.0 77.0 24.9 X 327410 Lime 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X X 0.0 <	327213	Glass Containers	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
327310 Cements 9.8 5.0 X 6.7 0.1 0.0 0.0 77.0 24.9 X 327410 Lime 0.0 0.0 X 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 X X 0.0 <	327215	Glass Products from Purchased Glass	1.9	2.2	Х	0.0	2.9	19.3	Х	Х	1.3	X
327420 Gypsum 0.0 0.0 X 0.0 0.0 X X 0.0 0.0 X X 0.0 X X 0.0 <	327310	Cements	9.8	5.0	Х	6.7	0.1	0.0	0.0	77.0	24.9	
327420 Gypsum 0.0 0.0 X 0.0 0.0 X X 0.0 X 327993 Mineral Wool 32.7 26.9 X 0.0 34.9 79.4 X 0.0 0.0 X 331 Primary Metals 0.2 0.3 0.0 0.3 0.2 6.3 0.0 0.5 0.1 0.0 33110 Iron and Steel Mills and Ferroalloys 0.0 0	327410	Lime	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0	X
327993 Mineral Wool 32.7 26.9 X 0.0 34.9 79.4 X 0.0 0.0 X 331 Primary Metals 0.2 0.3 0.0 0.3 0.2 6.3 0.0 0.5 0.1 0.0 33110 Iron and Steel Mills and Ferroalloys 0.0 <	327420	Gypsum	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	
331110 Iron and Steel Mills and Ferroalloys 0.0	327993	Mineral Wool	32.7	26.9	Х	0.0	34.9	79.4	Х	0.0	0.0	
3312 Steel Products from Purchased Steel 2.9 1.7 X 4.1 4.1 15.6 X X 0.9 X 3313 Alumina and Aluminum Production and Processing 0.4 0.2 X 0.0 0.3 29.5 X X 0.1 X 331314 Secondary Smelting and Alloying of Aluminum 0.0 0.0 X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X 0.0 X X 0.0 0.0 X X 0.0 0.0 X X 0.1 X X 0.1 X X 0.1 X X	331	Primary Metals	0.2	0.3	0.0	0.3	0.2	6.3	0.0	0.5	0.1	0.0
3313 Alumina and Aluminum Production and Processing 0.4 0.2 X 0.0 0.3 29.5 X X 0.1 X 331314 Secondary Smelting and Alloying of Aluminum 0.0 0.0 X 0.0 0.0 0.0 X X 0.0 X X 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 0.0 X X 0.1 X X 0.1 X X 0.0 X X 0.0 0.0 X X 0.0 0.0 <td>331110</td> <td>Iron and Steel Mills and Ferroalloys</td> <td>0.0</td>	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	0.0
331314 Secondary Smelting and Alloying of Aluminum 0.0 0.0 X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.0 X X 0.0 0.	3312	Steel Products from Purchased Steel	2.9	1.7	Х	4.1	4.1	15.6	Х	Х	0.9	X
331315 Aluminum Sheet, Plate and Foils 0.0 0.0 X 0.0 0.0 X X 0.0 X 331318 Other Aluminum Rolling, Drawing and Extruding D D D X 0.0 1.7 42.6 X X 0.1 X 3314 Nonferrous Metal (except Aluminum) Production and Processing 4.7 1.7 X 11.3 3.1 7.2 X 49.0 0.0 X 331410 Nonferrous Metal (except Aluminum) Smelting and Refining 0.0 0.0 X 0.0 0.0 X X 0.0 0.0 X X 0.0 9.7 3.2 0.0 3315 Foundries 1.9 1.8 X 3.4 1.7 9.8 0.0 9.7 3.2 0.0	3313	Alumina and Aluminum Production and Processing	0.4	0.2	Х	0.0	0.3	29.5	Х	Х	0.1	X
331318 Other Aluminum Rolling, Drawing and Extruding D D X 0.0 1.7 42.6 X X 0.1 X 3314 Nonferrous Metal (except Aluminum) Production and Processing 4.7 1.7 X 11.3 3.1 7.2 X 49.0 0.0 X 331410 Nonferrous Metal (except Aluminum) Smelting and Refining 0.0 0.0 X 0.0 0.0 X X 0.0 X 0.0 0.0 X X 0.0 0.0 X 0.0 0.0 X 0.0 0.0 X 0.0 0.0 0.0 X 0.0 0.0 X 0.0 0.0 0.0 X 0.0 0.0 X 0.0 <t< td=""><td>331314</td><td>Secondary Smelting and Alloying of Aluminum</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>Х</td><td>Х</td><td>0.0</td><td>X</td></t<>	331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
331318 Other Aluminum Rolling, Drawing and Extruding D D X 0.0 1.7 42.6 X X 0.1 X 3314 Nonferrous Metal (except Aluminum) Production and Processing 4.7 1.7 X 11.3 3.1 7.2 X 49.0 0.0 X 331410 Nonferrous Metal (except Aluminum) Smelting and Refining 0.0 0.0 X 0.0 0.0 X X 0.0 X 0.0 0.0 X X 0.0 0.0 X 0.0 0.0 X 0.0 0.0 X 0.0 0.0 0.0 X 0.0 0.0 X 0.0 0.0 0.0 X 0.0 0.0 X 0.0 <t< td=""><td>331315</td><td>Aluminum Sheet, Plate and Foils</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>Х</td><td>Х</td><td>0.0</td><td>X</td></t<>	331315	Aluminum Sheet, Plate and Foils	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
3314 Nonferrous Metal (except Aluminum) Production and Processing 4.7 1.7 X 11.3 3.1 7.2 X 49.0 0.0 X 331410 Nonferrous Metal (except Aluminum) Smelting and Refining 0.0 0.0 X 0.0 0.0 X X X 0.0 0.0 X X 0.0 X 3315 Foundries 1.9 1.8 X 3.4 1.7 9.8 0.0 9.7 3.2 0.0	331318	Other Aluminum Rolling, Drawing and Extruding	D	D	Х	0.0	1.7	42.6	Х	Х	0.1	
3315 Foundries 1.9 1.8 X 3.4 1.7 9.8 0.0 9.7 3.2 0.0	3314		4.7	1.7	Х	11.3	3.1	7.2	Х	49.0	0.0	
	331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
331511 Iron Foundries 3.5 3.2 X 0.5 1.6 3.3 0.0 9.7 14.1 0.0	3315	Foundries	1.9	1.8	X	3.4	1.7	9.8	0.0	9.7	3.2	0.0
	331511	Iron Foundries	3.5	3.2	Х	0.5	1.6	3.3	0.0	9.7	14.1	0.0

331523	Nonferrous Metal Die-Casting Foundries	3.4	3.3	Х	0.0	3.7	25.7	Х	X 0.3	Х
331524	Aluminum Foundries, except Die-Casting	3.9	5.1	Х	0.0	3.9	38.3	Х	X 85.7	X
332	Fabricated Metal Products	16.5	13.9	Х	62.3	20.9	35.3	Х	X 62.4	X
333	Machinery	16.1	17.7	Х	63.9	17.2	32.2	Х	X 35.0	X
334	Computer and Electronic Products	42.7	55.2	Х	41.6	27.7	47.1	Х	X 54.0	X
334413	Semiconductors and Related Devices	2.9	2.2	Х	0.0	4.0	0.1	Х	X 7.9	X
335	Electrical Equip., Appliances, and Components	24.4	22.8	Х	90.4	28.8	38.6	Х	X 47.6	X
336	Transportation Equipment	8.8	10.6	Х	18.3	9.9	41.1	Х	X 2.9	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.1	0.1	Х	0.0	0.1	0.0	Х	X 0.1	X
3364	Aerospace Product and Parts	4.0	7.9	Х	5.9	1.5	4.0	Х	X 3.9	X
336411	Aircraft	4.0	4.4	Х	13.1	3.8	7.9	Х	X 31.0	X
337	Furniture and Related Products	19.7	20.1	Х	61.7	24.5	40.4	Х	X 52.3	X
339	Miscellaneous	28.3	31.2	Х	63.2	31.9	50.5	Х	X 71.3	X
	Total	2.3	5.3	2.1	10.8	3.1	2.1	0.1	0.5 6.5	0.1
		County Courses Book								
311	Food	South Census Regi 3.6	4.6	0.0	17.8	5.6	22.6	0.0	X 0.3	X
3112	Grain and Oilseed Milling	4.0	10.9	0.0	8.5	3.8	10.8	0.0	X 4.2	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	0.0	X 0.0	X
31131	Sugar Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	Х	X 0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	3.4	5.0	X	2.2	3.3	19.8	X	X 0.1	X
3115	Dairy Product Manufacturing	3.1	11.3	X	17.0	1.5	36.2	Х	X 62.7	X
3116	Animal Slaughtering and Processing	5.4	3.5	Х	5.6	7.6	33.0	Х	X 26.3	X
312	Beverage and Tobacco Products	52.6	34.8	Х	12.3	60.3	9.7	0.0	X 27.7	X
3121	Beverages	54.2	38.4	Х	18.2	61.6	14.1	0.0	X 29.3	X
3122	Tobacco	0.0	0.0	Х	0.0	0.0	0.0	Х	X 0.0	X
313	Textile Mills	7.7	7.2	Х	35.6	13.1	23.9	42.2	X 0.1	X
314	Textile Product Mills	13.4	16.3	Х	54.8	15.2	57.7	Х	X 96.3	X
315	Apparel	12.2	14.0	Х	96.8	15.4	39.4	Х	X 0.0	X
316	Leather and Allied Products	5.5	8.0	Х	48.1	3.7	24.2	X	X 25.6	X
321	Wood Products	3.7	11.1	Х	11.0	12.5	22.1	X	X 0.9	X
321113	Sawmills	1.0	2.8	Х	6.4	6.6	17.2	X	X 0.4	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	0.7	3.1	Х	23.9	0.7	11.1	X	X 0.7	X
321219	Reconstituted Wood Products	0.8	4.8	Х	0.0	0.1	37.6	X	X 0.0	X
3219	Other Wood Products	29.3	39.5	Х	47.6	51.2	26.3	X	X 17.8	X
322	Paper	0.6	4.8	0.0	0.5	1.7	30.0	0.0	X 0.1	X
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X 0.0	Х
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X 0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X 0.0	X
323	Printing and Related Support	21.1	19.9	Х	97.9	32.6	37.4	Х	X X	X
324	Petroleum and Coal Products	0.7	0.1	23.3	6.1	0.3	0.1	0.0	X 0.9	0.0
324110	Petroleum Refineries	0.0	0.0	Х	0.0	0.0	0.0	Х	X 0.0	X
324121	Asphalt Paving Mixture and Block	5.1	3.8	23.3	12.8	6.7	5.6	Х	X 5.1	X
324122	Asphalt Shingle and Coating Materials	10.4	1.9	Х	0.0	1.0	4.1	X	X 11.1	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	13.3	2.7	Х	4.4	15.3	5.7	Х	X 0.5	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	X 0.0	0.0
325	Chemicals	1.2	2.4	0.0	1.7	2.1	0.1	4.0	X 5.7	0.2
325110	Petrochemicals	0.0	0.0	Х	0.0	0.0	0.0	0.0	X 0.0	0.0
325120	Industrial Gases	D	6.3	Х	8.6	D	1.1	Х	X D	D

325180	Other Basic Inorganic Chemical Manufacturing	10.9	3.9	0.0	30.1	3.9	0.2	0.0	Х	41.0	Х
325193	Ethyl Alcohol	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	Х
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	X
325199	All Other Basic Organic Chemical Manufacturing	D	3.2	Х	4.9	3.7	0.1	0.1	Х	4.6	D
325211	Plastics Materials and Resins	0.6	11.2	Х	3.8	1.2	0.1	Х	Х	1.8	0.0
325212	Synthetic Rubber	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	Х
325220	Artificial and Synthetic Fibers and Filaments	0.8	2.3	Х	0.0	0.1	0.0	Х	Х	0.0	Х
325311	Nitrogenous Fertilizers	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
325312	Phosphatic Fertilizers	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	X
3254	Pharmaceuticals and Medicines	3.9	5.7	Х	1.0	2.8	0.7	Х	Х	0.1	X
325412	Pharmaceutical Preparation	2.8	3.6	Х	0.1	2.7	0.0	Х	Х	0.0	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	X
326	Plastics and Rubber Products	18.0	19.9	X	47.1	24.0	49.3	Х	X	64.3	X
327	Nonmetallic Mineral Products	12.6	48.8	Х	37.7	3.5	11.8	3.6	12.7	0.8	X
327120	Clay Building Material and Refractories	4.9	3.3	Х	2.6	5.5	2.2	Х	Х	11.4	X
327211	Flat Glass	0.4	2.2	Х	0.0	0.1	0.0	Х	Х	0.0	X
327212	Other Pressed and Blown Glass and Glassware	0.4	0.4	Х	0.0	0.2	50.7	Х	Х	73.0	X
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	Х	Х	0.0	X
327215	Glass Products from Purchased Glass	3.2	4.1	X	0.0	3.3	49.8	Х	Х	0.0	X
327310	Cements	2.7	3.3	X	4.2	3.9	2.1	5.2	20.5	0.8	Х
327410	Lime	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0	X
327420	Gypsum	5.7	6.9	X	7.6	5.6	10.8	Х	Х	0.0	X
327993	Mineral Wool	0.5	1.6	X	0.0	0.0	0.2	0.0	0.0	0.0	X
331	Primary Metals	0.3	0.4	Х	20.4	0.2	2.4	0.0	0.9	0.2	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0	X
3312	Steel Products from Purchased Steel	6.1	8.2	Х	39.1	3.4	10.4	Х	Х	31.4	X
3313	Alumina and Aluminum Production and Processing	0.2	0.3	Х	0.0	0.2	2.0	Х	Х	0.1	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	Х	0.0	0.0	0.0	Х	Х	0.0	X
331315	Aluminum Sheet, Plate and Foils	0.5	1.1	X	0.0	0.3	1.4	X	X	0.0	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	D	D	X	0.0	0.8	4.4	X	X	28.3	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.3	1.7	X	0.2	1.6	6.7	X	0.9	51.8	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.7	0.2	Х	0.0	2.3	19.4	Х	Х	0.0	X
3315	Foundries	2.3	2.1	Х	3.2	3.3	4.4	0.0	2.1	0.7	X
331511	Iron Foundries	2.5	3.7	Х	4.1	2.5	5.0	0.0	2.1	0.0	X
331523	Nonferrous Metal Die-Casting Foundries	5.6	3.2	Х	38.0	6.8	7.8	Х	Х	11.2	X
331524	Aluminum Foundries, except Die-Casting	14.8	6.3	Х	0.0	21.9	12.6	Х	Х	X	X
332	Fabricated Metal Products	52.4	42.7	Х	58.4	54.9	36.0	Х	Х	94.0	X
333	Machinery	19.2	19.2	X	49.3	26.5	72.0	X	X	70.2	X
334	Computer and Electronic Products	9.6	9.0	X	54.5	13.6	33.0	X	X	0.0	X
334413	Semiconductors and Related Devices	1.1	1.4	Х	0.0	0.0	0.0	Х	Х	0.0	X
335	Electrical Equip., Appliances, and Components	17.5	16.6	Х	31.6	21.3	44.1	Х	Х	66.8	X
336	Transportation Equipment	10.5	11.6	96.5	7.8	14.5	27.9	Х	Х	4.0	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	1.4	2.0	Х	0.0	1.2	0.0	Х	Х	0.3	X
3364	Aerospace Product and Parts	12.9	13.6	X	8.6	12.0	36.8	Х	Х	2.6	X
336411	Aircraft	1.8	2.3	X	3.3	1.0	53.0	X	Х	26.5	X
337	Furniture and Related Products	53.3	71.0	X	35.8	29.2	41.2	84.0	X	30.0	X
339	Miscellaneous	22.8	23.1	X	86.2	35.0	57.1	X	X	66.1	X
	Total	1.5	5.4	1.4	9.9	3.2	0.1	1.7	5.2	1.3	0.2

West Census Region

		West Census Regio	n								
311	Food	4.6	7.7	41.7	41.7	4.1	11.7	0.0	0.0	18.0	X
3112	Grain and Oilseed Milling	4.4	8.3	41.7	35.3	5.9	39.6	Х	X	11.6	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	X	X	0.0	0.0	X	Х	X	X
31131	Sugar Manufacturing	0.0	0.0	Х	0.0	0.0	0.0	0.0	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	5.3	6.0	Х	32.0	5.7	18.4	Х	Х	24.5	X
3115	Dairy Product Manufacturing	6.7	7.9	Х	61.3	6.8	0.8	Х	Х	47.7	X
3116	Animal Slaughtering and Processing	5.0	7.6	Х	3.5	4.8	63.9	Х	Х	0.1	Х
312	Beverage and Tobacco Products	14.4	6.2	Х	48.7	22.3	17.3	Х	Х	42.1	Х
3121	Beverages	14.5	6.2	Х	48.7	22.3	17.3	Х	Х	42.1	Х
3122	Tobacco	0.0	0.0	Х	X	0.0	X	Х	Х	Х	Х
313	Textile Mills	21.4	37.7	Х	X	5.9	5.5	Х	Х	0.0	X
314	Textile Product Mills	34.8	49.9	Х	X	37.7	98.8	Х	Х	Х	X
315	Apparel	30.2	32.1	Х	X	49.5	X	Х	Х	Х	Х
316	Leather and Allied Products	38.8	20.5	Х	X	70.7	0.0	Х	Х	Х	X
321	Wood Products	5.5	5.5	Х	10.9	10.7	14.5	Х	Х	7.3	X
321113	Sawmills	7.0	4.7	Х	5.7	23.7	8.6	Х	X	8.4	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	9.0	7.8	Х	49.4	4.9	16.6	Х	X	13.9	X
321219	Reconstituted Wood Products	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0	X
3219	Other Wood Products	25.7	22.7	Х	44.1	34.4	34.0	Х	X	46.0	X
322	Paper	2.0	5.6	0.0	2.0	5.3	34.6	0.0	X	0.0	X
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	X	Х	X	0.0	X
322120	Paper Mills	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
323	Printing and Related Support	31.2	27.7	X	X	41.3	46.7	Х	X	X	X
324	Petroleum and Coal Products	0.4	0.2	23.7	10.6	0.1	0.4	0.0	X	0.6	57.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	Х	X	0.0	X
324121	Asphalt Paving Mixture and Block	5.1	3.3	43.1	24.0	5.5	12.7	Х	X	5.4	57.0
324122	Asphalt Shingle and Coating Materials	0.1	1.0	X	0.0	2.2	0.8	X	X	0.1	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	0.0	X	X	0.0	0.0	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	X	X	0.0	0.0	0.0	X	Х	X
325	Chemicals	2.2	3.2	X	23.4	1.3	14.8	0.0	X	13.2	0.0
325110	Petrochemicals	0.0	0.0	X	X	X	X	X	X	X	X
325120	Industrial Gases	0.8	2.7	X	X	0.1	69.1	X	X	X	0.0
325180	Other Basic Inorganic Chemical Manufacturing	0.9	1.5	X	75.2	2.5	38.0	0.0	X	0.8	X
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
325199	All Other Basic Organic Chemical Manufacturing	1.0	2.0	X	55.5	1.3	22.1	X	X	0.0	X
325211	Plastics Materials and Resins	34.7	39.4	X	13.8	31.6	20.5	X	X	0.1	X
325212	Synthetic Rubber	0.0	0.0	X	X	0.0	0.0	X	X	0.0	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325311	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325312	Pharmaceuticals and Medicines	6.8	9.9	X	1.9	5.0	78.0	X	X	0.0	X
325412	Pharmaceutical Preparation	10.0	15.2	^X	6.3	6.9	49.0	^X	X	X	
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	X X
325992	Plastics and Rubber Products	30.9	31.4	X	U.U	67.8	66.3	X	X	27.0	X
327	Nonmetallic Mineral Products	37.0	34.8	^X	38.7	24.2	47.6	29.9	0.0	66.7	88.8
327120		2.5	34.8 4.1	X	8.0	24.2	9.2	29.9 X	V.0	29.4	X
32/120	Clay Building Material and Refractories	2.5	4.1	Λ	8.0	∠.Ծ	9.2	Λ	Х	∠9.4	X

327211	Flat Glass	0.0	0.0	Х	Х	0.0	0.0	Х	Х	Х	X
327212	Other Pressed and Blown Glass and Glassware	3.5	14.6	Х	0.0	0.3	7.8	X	Х	Х	X
327213	Glass Containers	0.0	0.0	Х	0.0	0.0	0.0	Х	X	0.0	X
327215	Glass Products from Purchased Glass	2.8	5.0	Х	X	1.5	21.0	X	X	21.4	X
327310	Cements	23.1	23.6	Х	0.0	2.2	0.0	34.1	0.0	0.0	X
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	X
327420	Gypsum	0.5	2.9	X	5.2	0.4	0.0	X	X	0.0	X
327993	Mineral Wool	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331	Primary Metals	2.2	1.3	Х	4.2	2.8	3.0	0.0	0.0	1.4	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	Х	0.0	0.0	0.0	0.0	Х	0.0	X
3312	Steel Products from Purchased Steel	18.2	14.6	Х	3.3	20.7	38.4	Х	Х	4.7	0.0
3313	Alumina and Aluminum Production and Processing	0.5	0.6	Х	0.0	0.5	0.6	Х	X	0.0	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	Х	0.0	0.0	0.0	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	Х	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.5	2.1	Х	0.0	1.4	1.3	Х	Х	0.0	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.2	0.3	Х	10.6	1.8	0.4	0.0	Х	0.0	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	0.2	Х	0.0	0.1	0.1	0.0	Х	0.0	X
3315	Foundries	1.9	1.6	Х	9.1	2.5	1.5	Х	0.0	0.1	X
331511	Iron Foundries	0.6	0.9	Х	0.0	1.0	1.6	Х	0.0	0.0	X
331523	Nonferrous Metal Die-Casting Foundries	6.5	5.5	X	42.1	7.0	8.1	X	X	1.9	X
331524	Aluminum Foundries, except Die-Casting	2.2	3.3	Х	X	1.9	0.5	X	X	0.0	X
332	Fabricated Metal Products	22.1	24.7	Х	61.7	31.1	37.7	Х	Х	88.7	X
333	Machinery	30.5	32.3	Х	92.0	40.6	58.4	Х	Х	89.5	X
334	Computer and Electronic Products	11.2	9.6	X	42.5	19.3	7.2	X	X	69.0	X
334413	Semiconductors and Related Devices	8.4	5.1	X	51.2	14.7	15.3	X	X	69.3	X
335	Electrical Equip., Appliances, and Components	41.0	36.8	X	67.3	57.6	98.4	X	X	75.8	X
336	Transportation Equipment	6.1	6.8	X	38.3	6.8	27.1	X	X	19.9	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	10.3	14.5	X	91.1	3.4	27.9	X	X	0.0	X
3364	Aerospace Product and Parts	5.4	5.0	Х	4.2	6.8	18.0	Х	Х	15.8	X
336411	Aircraft	13.6	14.9	Х	5.6	12.9	33.5	Х	Х	47.0	X
337	Furniture and Related Products	33.6	30.1	Х	Х	45.4	49.0	Х	Х	94.3	X
339	Miscellaneous	22.7	21.9	Х	55.7	28.1	53.7	Х	Х	56.2	X
	Total	5.1	5.3	4.4	21.0	2.7	4.9	18.3	0.0	7.4	22.8

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey, and Office of Energy Production, Conversion & Delivery, Form EIA-810, Monthly Refinery Report for 2022

Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstock or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; wood chips, bark, and wood waste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

- ^a The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).
- ^b Total is the sum of all the listed energy sources, including Other, minus the Shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes.
- ^c 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).
- ^d Distillate fuel oil includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
- e 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.
- f 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).
- ⁸ 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 or as feedstock/raw material inputs. See also Footnote i.
- h Shipments of energy sources produced onsite are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use. Any onsite consumption of coke is not counted as first use hecause it would duplicate the coal use. If some of the coke is then sold to another establishment, that second establishment will

entire quantity or coards counted as first use. Any onsite consumption or coke is not counted as first use because it would duplicate the coards. It some or the coke is then sold to another establishment, that second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

¹ Previously, the *Manufacturing Energy Consumption Survey* (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, *Feedstock and Offsite-Produced Fuel at Petroleum Refineries*). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the *Other* column. However, other *Miscellaneous Nonfuel Products* (that is, lubricants, solvents, waxes, and special naphthas) from refineries and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the *Miscellaneous Nonfuel Products* used in manufacturing was derived using EIA's *U.S. Product Supplied for Crude Oil and Petroleum Products* data.

* 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).