

Released: August 2025
Next MECS will be fielded in 2027

Table 4.1 Offsite-produced fuel consumption, 2022

Level: National and regional data
Row: NAICS codes
Column: Energy sources
Unit: Physical units or British thermal units (Btu)

NAICS code ^a	Subsector and industry	Total (trillion Btu)	Electricity ^b (million kilowatthours)	Residual fuel oil (million barrels)	Distillate fuel oil ^c (million barrels)	Natural gas ^d (billion cubic feet)	HGL (excluding natural gasoline) ^e (million barrels)	Coal (million short tons)	Coke and breeze (million short tons)	Other ^f (trillion Btu)
Total United States										
311	Food	1,138	79,883	*	3	679	2	4	*	45
3112	Grain and Oilseed Milling	336	17,713	*	*	164	*	3	0	38
311221	Wet Corn Milling and Starch Manufacturing	169	7,876	0	*	67	*	2	0	32
31131	Sugar Manufacturing	74	1,736	*	*	38	*	1	*	*
3114	Fruit and Vegetable Preserving and Specialty Food	121	8,919	*	*	85	*	0	0	1
3115	Dairy Product Manufacturing	171	13,111	*	*	114	Q	0	0	Q
3116	Animal Slaughtering and Processing	246	22,323	*	1	157	*	0	0	1
312	Beverage and Tobacco Products	265	14,822	0	*	204	*	*	0	*
3121	Beverages	257	14,100	0	*	Q	*	*	0	*
3122	Tobacco	7	722	0	*	4	*	0	0	*
313	Textile Mills	57	8,673	0	*	23	*	*	0	2
314	Textile Product Mills	21	2,983	0	*	10	*	0	0	*
315	Apparel	3	532	0	*	1	*	0	0	*
316	Leather and Allied Products	3	240	0	*	2	*	0	0	*
321	Wood Products	215	21,454	*	2	77	1	*	0	47
321113	Sawmills	86	9,077	*	1	17	*	0	0	30
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	72	5,639	*	*	36	*	0	0	13
321219	Reconstituted Wood Products	41	2,906	*	*	21	*	0	0	9
3219	Other Wood Products	48	6,223	0	*	20	*	*	0	4
322	Paper	1,040	54,388	1	1	592	1	2	0	193
322110	Pulp Mills	89	2,203	*	*	53	*	*	0	22
322120	Paper Mills	324	17,530	*	*	179	*	1	0	61
322130	Paperboard Mills	467	19,963	*	*	269	*	1	0	102
323	Printing and Related Support	53	9,160	*	*	20	*	0	0	*
324	Petroleum and Coal Products	1,730	53,154	*	1	1,068	8	*	*	389
324110	Petroleum Refineries	1,546	49,342	*	*	984	8	0	0	327
324121	Asphalt Paving Mixture and Block	119	1,500	*	1	51	*	0	0	54
324122	Asphalt Shingle and Coating Materials	16	824	0	*	11	*	0	0	2
324191	Petroleum Lubricating Oil and Grease Manufacturing	16	800	0	*	12	*	0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	33	688	0	*	10	*	*	*	5
325	Chemicals	3,601	165,439	*	1	2,464	5	3	0	391
325110	Petrochemicals	493	9,059	0	*	373	2	0	0	70
325120	Industrial Gases	187	27,999	0	*	83	*	0	0	6
325180	Other Basic Inorganic Chemical Manufacturing	359	26,955	0	*	206	*	1	0	28
325193	Ethyl Alcohol	469	10,764	0	*	368	*	1	0	31
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	100	5,844	0	*	38	2	0	0	35
325199	All Other Basic Organic Chemical Manufacturing	478	19,780	*	*	298	*	1	0	83
325211	Plastics Materials and Resins	655	20,617	0	*	484	1	0	0	78
325212	Synthetic Rubber	38	1,278	0	*	26	*	*	0	5
325220	Artificial and Synthetic Fibers and Filaments	25	2,384	0	*	16	*	0	0	*
325311	Nitrogenous Fertilizers	215	5,248	0	*	189	*	0	0	1
325312	Phosphatic Fertilizers	18	2,857	*	1	3	*	*	0	*
3254	Pharmaceuticals and Medicines	119	13,408	0	*	68	*	*	0	3

325412	Pharmaceutical Preparation	61	6,453	0	*	37	*	0	0	1
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	7	708	0	*	3	*	0	0	2
326	Plastics and Rubber Products	356	70,449	*	*	102	1	0	0	Q
327	Nonmetallic Mineral Products	1,165	61,865	*	3	402	1	9	*	317
327120	Clay Building Material and Refractories	39	1,486	0	*	29	*	*	0	2
327211	Flat Glass	44	1,572	0	*	37	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	26	1,919	0	*	18	*	0	0	*
327213	Glass Containers	54	3,449	0	*	40	*	0	0	*
327215	Glass Products from Purchased Glass	Q	3,708	0	*	9	*	0	0	Q
327310	Cements	362	13,007	0	1	86	*	6	*	100
327410	Lime	103	1,371	0	*	25	*	3	*	13
327420	Gypsum	77	1,826	*	*	68	*	0	0	*
327993	Mineral Wool	47	4,140	0	*	31	*	*	*	*
331	Primary Metals	1,219	99,754	*	1	603	1	*	9	17
331110	Iron and Steel Mills and Ferroalloys	802	54,761	*	1	374	*	*	8	14
3312	Steel Products from Purchased Steel	55	5,582	0	*	31	*	0	*	1
3313	Alumina and Aluminum Production and Processing	189	19,795	0	*	114	*	0	0	2
331314	Secondary Smelting and Alloying of Aluminum	22	552	0	*	19	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	84	6,166	0	*	60	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	26	2,070	0	*	18	*	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	85	9,800	0	*	42	*	0	*	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	30	4,523	0	*	13	*	0	*	*
3315	Foundries	87	9,815	0	*	41	*	*	*	*
331511	Iron Foundries	38	4,712	0	*	11	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	23	2,031	0	*	15	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	6	566	0	*	4	*	0	0	*
332	Fabricated Metal Products	426	42,093	*	*	265	1	0	0	Q
333	Machinery	142	21,997	0	1	58	1	0	0	*
334	Computer and Electronic Products	127	27,584	*	*	31	*	0	0	*
334413	Semiconductors and Related Devices	65	13,631	*	*	18	*	0	0	*
335	Electrical Equip., Appliances, and Components	87	11,784	0	*	35	*	0	*	*
336	Transportation Equipment	304	46,361	*	*	126	1	0	0	11
336110	Automobile and Light Duty Motor Vehicle Manufacturing	77	7,991	0	*	39	*	0	0	8
3364	Aerospace Product and Parts	62	9,563	0	*	26	*	0	0	1
336411	Aircraft	18	2,648	0	*	8	*	0	0	*
337	Furniture and Related Products	49	Q	0	*	13	*	*	0	3
339	Miscellaneous	57	9,632	0	*	23	*	0	0	*
	Total	12,060	811,473	2	14	6,799	24	19	10	1,422

Northeast Census Region

311	Food	78	7,449	*	*	48	*	0	0	*
3112	Grain and Oilseed Milling	4	459	0	*	2	*	0	0	*
311221	Wet Corn Milling and Starch Manufacturing	0	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	2	207	0	0	2	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	9	823	*	*	5	*	0	0	*
3115	Dairy Product Manufacturing	21	1,898	*	*	14	*	0	0	*
3116	Animal Slaughtering and Processing	11	1,173	0	*	7	*	0	0	*
312	Beverage and Tobacco Products	16	1,732	0	*	10	*	0	0	*
3121	Beverages	16	1,713	0	*	9	*	0	0	*
3122	Tobacco	1	19	0	0	1	*	0	0	0
313	Textile Mills	6	496	0	*	3	*	0	0	*
314	Textile Product Mills	Q	Q	0	0	Q	*	0	0	*
315	Apparel	1	85	0	*	*	*	0	0	0
316	Leather and Allied Products	*	33	0	*	*	*	0	0	*
321	Wood Products	13	1,367	*	*	5	*	*	0	2
321113	Sawmills	3	473	*	*	*	*	0	0	*
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	4	162	*	*	3	*	0	0	1

321219	Reconstituted Wood Products	3	116	*	*	3	*	0	0	*
3219	Other Wood Products	5	682	0	*	2	*	*	0	1
322	Paper	150	6,790	*	*	97	*	*	0	17
322110	Pulp Mills	5	63	0	0	3	*	0	0	1
322120	Paper Mills	89	3,125	*	*	57	*	*	0	15
322130	Paperboard Mills	18	1,114	0	*	13	*	0	0	1
323	Printing and Related Support	10	1,849	*	*	4	*	0	0	*
324	Petroleum and Coal Products	113	2,301	*	*	46	1	0	0	53
324110	Petroleum Refineries	52	1,750	*	*	32	1	0	0	11
324121	Asphalt Paving Mixture and Block	57	364	*	*	11	*	0	0	43
324122	Asphalt Shingle and Coating Materials	1	44	0	*	1	*	0	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	1	35	0	*	*	*	0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	2	108	0	*	2	*	0	0	0
325	Chemicals	152	19,062	*	*	72	1	0	0	8
325110	Petrochemicals	3	248	0	*	0	1	0	0	0
325120	Industrial Gases	35	9,773	0	*	1	*	0	0	1
325180	Other Basic Inorganic Chemical Manufacturing	11	1,450	0	*	6	*	0	0	*
325193	Ethyl Alcohol	3	78	0	0	3	*	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	*	4	0	0	*	*	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	32	1,450	*	*	25	*	0	0	1
325211	Plastics Materials and Resins	13	1,155	0	*	7	*	0	0	1
325212	Synthetic Rubber	*	16	0	0	*	*	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	29	0	0	*	*	0	0	*
325311	Nitrogenous Fertilizers	*	6	0	*	*	*	0	0	0
325312	Phosphatic Fertilizers	*	3	0	*	0	*	0	0	0
3254	Pharmaceuticals and Medicines	30	3,100	0	*	18	*	0	0	*
325412	Pharmaceutical Preparation	13	1,378	0	*	8	*	0	0	*
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	4	336	0	*	1	*	0	0	2
326	Plastics and Rubber Products	65	7,306	*	*	35	*	0	0	Q
327	Nonmetallic Mineral Products	154	3,632	*	*	51	*	1	0	Q
327120	Clay Building Material and Refractories	5	178	0	*	2	*	*	0	*
327211	Flat Glass	6	251	0	0	5	*	0	0	0
327212	Other Pressed and Blown Glass and Glassware	4	354	0	*	3	*	0	0	*
327213	Glass Containers	7	466	0	*	5	*	0	0	*
327215	Glass Products from Purchased Glass	Q	258	0	*	1	*	0	0	Q
327310	Cements	27	1,014	0	*	16	*	*	0	3
327410	Lime	9	78	0	*	3	0	*	0	0
327420	Gypsum	11	297	*	*	9	*	0	0	0
327993	Mineral Wool	3	134	0	*	2	*	0	0	*
331	Primary Metals	107	10,475	0	*	66	*	*	*	1
331110	Iron and Steel Mills and Ferroalloys	53	4,256	0	*	36	*	*	*	*
3312	Steel Products from Purchased Steel	10	867	0	*	6	*	0	*	*
3313	Alumina and Aluminum Production and Processing	22	2,859	0	*	12	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	16	0	0	1	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	10	517	0	*	7	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	4	242	0	*	3	*	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	15	1,617	0	*	8	*	0	*	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	3	302	0	*	2	*	0	*	0
3315	Foundries	7	876	0	*	3	*	*	0	*
331511	Iron Foundries	2	393	0	*	1	*	*	0	*
331523	Nonferrous Metal Die-Casting Foundries	1	77	0	0	*	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	74	0	*	*	*	0	0	*
332	Fabricated Metal Products	62	6,841	*	*	37	*	0	0	*
333	Machinery	15	1,814	0	*	Q	*	0	0	*
334	Computer and Electronic Products	23	4,283	*	*	8	*	0	0	*
334413	Semiconductors and Related Devices	13	2,319	*	*	5	*	0	0	*
335	Electrical Equip., Appliances, and Components	20	2,090	0	*	4	*	0	*	*

336	Transportation Equipment	28	3,520	0	*	14	*	0	0	1
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	*	0	0	*	0	0	0	*
3364	Aerospace Product and Parts	10	966	0	*	5	*	0	0	1
336411	Aircraft	2	201	0	*	1	*	0	0	*
337	Furniture and Related Products	3	348	0	*	1	*	0	0	*
339	Miscellaneous	7	736	0	*	4	*	0	0	*
	Total	1,026	82,297	1	2	512	3	1	1	162
Midwest Census Region										
311	Food	587	35,827	*	1	314	Q	4	*	40
3112	Grain and Oilseed Milling	282	13,259	*	*	130	*	3	0	35
311221	Wet Corn Milling and Starch Manufacturing	161	7,594	0	*	63	*	2	0	29
31131	Sugar Manufacturing	37	643	*	*	9	*	1	*	*
3114	Fruit and Vegetable Preserving and Specialty Food	31	2,676	0	*	20	*	0	0	*
3115	Dairy Product Manufacturing	66	5,327	*	*	40	Q	0	0	Q
3116	Animal Slaughtering and Processing	105	8,798	*	*	69	*	0	0	1
312	Beverage and Tobacco Products	22	2,814	0	*	12	*	0	0	*
3121	Beverages	22	2,811	0	*	12	*	0	0	*
3122	Tobacco	*	2	0	0	*	0	0	0	0
313	Textile Mills	2	216	0	*	1	*	0	0	0
314	Textile Product Mills	3	323	0	0	2	*	0	0	0
315	Apparel	*	60	0	0	*	0	0	0	0
316	Leather and Allied Products	2	101	0	*	Q	*	0	0	*
321	Wood Products	29	2,899	0	*	14	*	0	0	Q
321113	Sawmills	4	428	0	*	2	*	0	0	*
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	11	899	0	*	8	*	0	0	*
321219	Reconstituted Wood Products	8	551	0	*	6	*	0	0	*
3219	Other Wood Products	12	1,502	0	*	4	*	0	0	Q
322	Paper	183	11,295	*	*	113	*	*	0	22
322110	Pulp Mills	5	258	0	*	3	*	0	0	*
322120	Paper Mills	69	3,386	*	*	42	*	*	0	10
322130	Paperboard Mills	58	3,349	*	*	36	*	0	0	9
323	Printing and Related Support	24	3,860	0	0	10	*	0	0	*
324	Petroleum and Coal Products	258	11,020	*	*	158	1	0	*	45
324110	Petroleum Refineries	213	10,019	0	*	134	1	0	0	36
324121	Asphalt Paving Mixture and Block	24	283	*	*	16	*	0	0	6
324122	Asphalt Shingle and Coating Materials	6	255	0	*	3	*	0	0	2
324191	Petroleum Lubricating Oil and Grease Manufacturing	2	205	0	*	2	*	0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	13	258	0	*	3	*	0	*	1
325	Chemicals	901	42,580	*	*	651	1	1	0	58
325110	Petrochemicals	*	52	0	0	0	*	0	0	0
325120	Industrial Gases	24	6,755	0	0	*	*	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	32	2,185	0	*	18	*	0	0	6
325193	Ethyl Alcohol	445	10,155	0	*	348	*	1	0	30
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	7	265	0	*	2	*	0	0	3
325199	All Other Basic Organic Chemical Manufacturing	43	3,385	0	*	20	*	0	0	11
325211	Plastics Materials and Resins	55	3,303	0	*	37	*	0	0	5
325212	Synthetic Rubber	1	79	0	0	*	*	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	1	60	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	62	2,158	0	*	52	*	0	0	1
325312	Phosphatic Fertilizers	6	1,268	*	*	2	*	0	0	*
3254	Pharmaceuticals and Medicines	54	5,053	0	*	33	*	*	0	2
325412	Pharmaceutical Preparation	28	2,109	0	*	19	*	0	0	Q
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	35	0	*	*	*	0	0	0
326	Plastics and Rubber Products	134	29,793	*	*	31	*	0	0	*
327	Nonmetallic Mineral Products	292	14,141	0	*	100	*	3	*	Q
327120	Clay Building Material and Refractories	7	240	0	*	6	*	0	0	*

327211	Flat Glass	16	493	0	*	14	*	0	0	0
327212	Other Pressed and Blown Glass and Glassware	8	387	0	*	6	*	0	0	0
327213	Glass Containers	15	987	0	*	11	*	0	0	*
327215	Glass Products from Purchased Glass	8	1,487	0	*	3	*	0	0	*
327310	Cements	82	3,316	0	*	12	*	1	*	29
327410	Lime	46	466	0	*	11	*	1	*	6
327420	Gypsum	12	268	0	*	10	*	0	0	*
327993	Mineral Wool	23	2,024	0	*	15	*	0	*	*
331	Primary Metals	687	35,275	*	*	325	1	*	8	11
331110	Iron and Steel Mills and Ferroalloys	534	20,638	*	*	238	*	*	8	11
3312	Steel Products from Purchased Steel	20	2,154	0	*	12	*	0	0	*
3313	Alumina and Aluminum Production and Processing	56	4,699	0	*	38	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	*	8	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	34	2,384	0	*	24	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	9	722	0	*	6	*	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	21	1,594	0	*	12	*	0	*	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1	113	0	*	1	*	0	0	*
3315	Foundries	57	6,189	0	*	26	*	0	*	*
331511	Iron Foundries	26	3,078	0	*	7	*	0	*	*
331523	Nonferrous Metal Die-Casting Foundries	15	1,250	0	*	10	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	4	376	0	*	3	*	0	0	*
332	Fabricated Metal Products	134	14,561	0	*	79	1	0	0	*
333	Machinery	80	11,882	0	*	35	*	0	0	*
334	Computer and Electronic Products	30	0	0	*	5	*	0	0	*
334413	Semiconductors and Related Devices	3	522	0	*	1	*	0	0	*
335	Electrical Equip., Appliances, and Components	28	3,725	0	*	14	*	0	0	*
336	Transportation Equipment	154	22,876	0	*	66	*	0	0	6
336110	Automobile and Light Duty Motor Vehicle Manufacturing	43	3,798	0	*	24	*	0	0	5
3364	Aerospace Product and Parts	17	2,412	0	*	7	*	0	0	1
336411	Aircraft	4	509	0	*	2	*	0	0	*
337	Furniture and Related Products	15	1,929	0	*	7	*	0	0	*
339	Miscellaneous	29	4,552	0	*	13	*	0	0	*
	Total	3,595	257,203	*	3	1,952	5	8	9	264

South Census Region

311	Food	290	23,507	*	1	193	1	*	0	4
3112	Grain and Oilseed Milling	44	3,245	*	*	29	*	*	0	3
311221	Wet Corn Milling and Starch Manufacturing	8	265	0	*	4	*	*	0	3
31131	Sugar Manufacturing	12	592	0	*	9	*	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Food	28	2,102	0	*	19	*	0	0	*
3115	Dairy Product Manufacturing	38	1,967	0	*	29	*	0	0	*
3116	Animal Slaughtering and Processing	108	10,660	0	*	66	*	0	0	1
312	Beverage and Tobacco Products	0	7,495	0	*	0	*	*	0	*
3121	Beverages	0	6,797	0	*	0	*	*	0	*
3122	Tobacco	6	698	0	*	4	*	0	0	*
313	Textile Mills	47	7,649	0	*	18	*	*	0	2
314	Textile Product Mills	15	2,370	0	*	7	*	0	0	*
315	Apparel	2	343	0	*	1	*	0	0	*
316	Leather and Allied Products	*	83	0	*	*	*	0	0	*
321	Wood Products	116	11,646	0	1	42	*	0	0	25
321113	Sawmills	48	5,091	0	1	11	*	0	0	15
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	38	3,013	0	*	18	*	0	0	9
321219	Reconstituted Wood Products	26	1,797	0	*	11	*	0	0	8
3219	Other Wood Products	23	3,238	0	*	0	*	0	0	1
322	Paper	588	27,573	1	*	328	*	1	0	125
322110	Pulp Mills	77	1,795	*	*	46	*	*	0	20
322120	Paper Mills	116	6,831	*	*	59	*	*	0	21

322130	Paperboard Mills	335	11,989	*	*	193	*	1	0	79
323	Printing and Related Support	14	2,637	0	*	4	*	0	0	0
324	Petroleum and Coal Products	971	32,438	*	*	583	4	0	0	239
324110	Petroleum Refineries	914	30,710	0	*	546	4	0	0	229
324121	Asphalt Paving Mixture and Block	29	518	*	*	18	*	0	0	6
324122	Asphalt Shingle and Coating Materials	7	398	0	*	6	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Manufacturing	13	540	0	*	10	*	0	0	*
324199	All Other Petroleum and Coal Products Manufacturing	9	272	0	*	3	*	0	0	4
325	Chemicals	2,403	91,508	0	1	1,680	4	1	0	311
325110	Petrochemicals	489	8,759	0	*	373	1	0	0	70
325120	Industrial Gases	117	8,506	0	*	79	*	0	0	5
325180	Other Basic Inorganic Chemical Manufacturing	261	19,378	0	*	167	*	0	0	22
325193	Ethyl Alcohol	12	293	0	*	10	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	80	5,387	0	*	33	2	0	0	21
325199	All Other Basic Organic Chemical Manufacturing	378	13,782	0	*	234	*	1	0	70
325211	Plastics Materials and Resins	585	15,828	0	*	439	1	0	0	71
325212	Synthetic Rubber	37	1,155	0	*	25	*	*	0	5
325220	Artificial and Synthetic Fibers and Filaments	24	2,294	0	*	16	*	0	0	*
325311	Nitrogenous Fertilizers	144	2,429	0	*	131	*	0	0	*
325312	Phosphatic Fertilizers	9	1,272	0	*	1	*	*	0	*
3254	Pharmaceuticals and Medicines	25	3,541	0	*	12	*	0	0	*
325412	Pharmaceutical Preparation	14	1,987	0	*	7	*	0	0	*
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	1	184	0	*	1	*	0	0	*
326	Plastics and Rubber Products	133	28,193	0	*	31	Q	0	0	Q
327	Nonmetallic Mineral Products	439	32,669	0	2	178	*	3	*	67
327120	Clay Building Material and Refractories	26	1,011	0	*	20	*	0	0	2
327211	Flat Glass	17	638	0	*	14	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	13	1,096	0	*	8	*	0	0	*
327213	Glass Containers	19	1,121	0	*	14	*	0	0	*
327215	Glass Products from Purchased Glass	9	1,673	0	*	3	*	0	0	*
327310	Cements	169	5,497	0	*	47	*	2	*	58
327410	Lime	37	652	0	*	10	*	1	*	5
327420	Gypsum	40	953	0	*	35	*	0	0	*
327993	Mineral Wool	17	1,454	0	*	11	*	*	*	*
331	Primary Metals	369	48,060	0	1	178	*	*	*	4
331110	Iron and Steel Mills and Ferroalloys	199	27,783	0	*	91	*	*	*	2
3312	Steel Products from Purchased Steel	19	2,028	0	*	9	*	0	0	*
3313	Alumina and Aluminum Production and Processing	101	11,337	0	*	58	*	0	0	2
331314	Secondary Smelting and Alloying of Aluminum	D	D	0	*	9	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	36	2,665	0	*	25	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	10	839	0	*	7	*	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	31	4,679	0	*	11	*	0	*	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12	2,777	0	*	2	*	0	0	*
3315	Foundries	18	2,233	0	*	9	*	0	*	*
331511	Iron Foundries	8	1,116	0	*	3	*	0	*	*
331523	Nonferrous Metal Die-Casting Foundries	6	612	0	*	4	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	87	0	*	*	*	0	0	0
332	Fabricated Metal Products	Q	13,750	0	*	Q	*	0	0	Q
333	Machinery	35	6,070	0	*	12	*	0	0	*
334	Computer and Electronic Products	34	7,560	0	*	7	*	0	0	*
334413	Semiconductors and Related Devices	24	5,437	0	*	5	*	0	0	*
335	Electrical Equip., Appliances, and Components	35	5,248	0	*	16	*	0	0	*
336	Transportation Equipment	97	15,954	*	*	36	*	0	0	4
336110	Automobile and Light Duty Motor Vehicle Manufacturing	32	3,796	0	*	14	*	0	0	4
3364	Aerospace Product and Parts	16	3,163	0	*	5	*	0	0	*
336411	Aircraft	6	1,107	0	*	2	*	0	0	*
337	Furniture and Related Products	Q	Q	0	*	4	*	*	0	3

339	Miscellaneous	12	2,824	0	*	2	*	0	0	*
	Total	6,022	374,172	1	7	3,625	11	5	*	787

West Census Region

311	Food	183	13,100	*	1	123	*	*	*	1
3112	Grain and Oilseed Milling	6	751	*	*	3	*	0	0	*
311221	Wet Corn Milling and Starch Manufacturing	*	17	0	0	*	*	0	0	0
31131	Sugar Manufacturing	23	293	0	*	18	*	*	*	*
3114	Fruit and Vegetable Preserving and Specialty Food	54	3,319	0	*	40	*	0	0	1
3115	Dairy Product Manufacturing	46	3,920	0	*	31	*	0	0	*
3116	Animal Slaughtering and Processing	21	1,691	0	*	15	*	0	0	*
312	Beverage and Tobacco Products	25	2,781	0	*	14	*	0	0	*
3121	Beverages	25	2,779	0	*	14	*	0	0	*
3122	Tobacco	*	2	0	0	*	0	0	0	0
313	Textile Mills	2	311	0	0	1	*	0	0	*
314	Textile Product Mills	2	203	0	0	1	*	0	0	0
315	Apparel	*	44	0	0	*	0	0	0	0
316	Leather and Allied Products	*	23	0	0	*	*	0	0	0
321	Wood Products	57	5,543	0	*	16	*	0	0	19
321113	Sawmills	31	3,084	0	*	4	*	0	0	15
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	17	1,565	0	*	8	*	0	0	3
321219	Reconstituted Wood Products	4	443	0	*	2	*	0	0	*
3219	Other Wood Products	8	801	0	*	4	*	0	0	1
322	Paper	118	8,730	*	*	55	*	*	0	28
322110	Pulp Mills	2	87	*	*	*	0	0	0	1
322120	Paper Mills	49	4,189	0	*	21	*	0	0	13
322130	Paperboard Mills	56	3,511	*	*	26	*	*	0	14
323	Printing and Related Support	5	814	0	0	2	*	0	0	0
324	Petroleum and Coal Products	388	7,396	*	*	282	3	*	0	52
324110	Petroleum Refineries	368	6,863	*	*	272	3	0	0	52
324121	Asphalt Paving Mixture and Block	9	335	*	*	7	*	0	0	*
324122	Asphalt Shingle and Coating Materials	2	126	0	*	1	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	21	0	0	*	*	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	9	50	0	0	2	*	*	0	0
325	Chemicals	145	12,288	0	*	62	*	1	0	14
325110	Petrochemicals	*	*	0	0	0	0	0	0	0
325120	Industrial Gases	12	2,964	0	0	2	*	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	55	3,941	0	*	16	*	1	0	*
325193	Ethyl Alcohol	9	238	0	*	7	*	0	0	1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	14	189	0	*	2	*	0	0	11
325199	All Other Basic Organic Chemical Manufacturing	25	1,163	0	*	19	*	0	0	1
325211	Plastics Materials and Resins	3	331	0	*	1	*	0	0	*
325212	Synthetic Rubber	*	27	0	0	*	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	1	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	9	654	0	*	6	*	0	0	*
325312	Phosphatic Fertilizers	2	314	0	*	1	*	0	0	*
3254	Pharmaceuticals and Medicines	11	1,713	0	*	5	*	0	0	*
325412	Pharmaceutical Preparation	6	979	0	*	3	*	0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	2	154	0	*	1	*	0	0	*
326	Plastics and Rubber Products	23	5,156	0	0	Q	*	0	0	*
327	Nonmetallic Mineral Products	281	11,423	0	*	73	*	3	*	Q
327120	Clay Building Material and Refractories	2	57	0	*	2	*	0	0	*
327211	Flat Glass	5	190	0	0	4	*	0	0	0
327212	Other Pressed and Blown Glass and Glassware	1	81	0	*	1	*	0	0	0
327213	Glass Containers	12	876	0	*	9	*	0	0	*
327215	Glass Products from Purchased Glass	2	290	0	0	1	*	0	0	*
327310	Cements	84	3,180	0	*	12	*	2	*	10

327410	Lime	11	174	0	*	1	*	*	*	2
327420	Gypsum	15	308	0	*	13	*	0	0	*
327993	Mineral Wool	4	529	0	*	2	*	0	0	*
331	Primary Metals	56	5,944	0	*	33	*	*	*	*
331110	Iron and Steel Mills and Ferroalloys	17	2,084	0	*	9	*	*	0	*
3312	Steel Products from Purchased Steel	7	532	0	*	4	*	0	0	*
3313	Alumina and Aluminum Production and Processing	10	900	0	*	6	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	35	0	*	1	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	5	599	0	*	3	*	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	3	266	0	*	2	*	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	18	1,910	0	*	10	*	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	13	1,332	0	*	8	*	0	0	*
3315	Foundries	5	517	0	*	3	*	0	*	*
331511	Iron Foundries	2	125	0	*	1	*	0	*	*
331523	Nonferrous Metal Die-Casting Foundries	1	92	0	*	1	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	30	0	0	*	*	0	0	*
332	Fabricated Metal Products	39	6,942	0	*	13	*	0	0	*
333	Machinery	13	2,231	0	*	4	*	0	0	*
334	Computer and Electronic Products	40	8,265	0	*	11	*	0	0	*
334413	Semiconductors and Related Devices	26	5,353	0	*	7	*	0	0	*
335	Electrical Equip., Appliances, and Components	4	721	0	*	Q	*	0	0	*
336	Transportation Equipment	24	4,011	0	*	10	*	0	0	*
336110	Automobile and Light Duty Motor Vehicle Manufacturing	2	397	0	*	1	*	0	0	*
3364	Aerospace Product and Parts	19	3,022	0	*	8	*	0	0	*
336411	Aircraft	6	831	0	*	3	*	0	0	*
337	Furniture and Related Products	3	352	0	0	1	*	0	0	*
339	Miscellaneous	9	1,520	0	*	3	*	0	0	*
	Total	1,416	97,800	*	2	710	4	5	*	208

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 represent the consumption of energy originally produced offsite, acquired because of a purchase or transfer, and consumed onsite for the production of heat and power. This definition is consistent with the definition of *purchased* fuels and electric energy used by the Bureau of the Census in the preparation of *Fuels and Electric Energy Consumed* of the *Annual Survey of Manufactures*.

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

^b *Electricity* consists of quantities of electricity that were purchased or transferred in and is equivalent to *purchased electricity* as defined in the *Annual Survey of Manufactures*.

^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 all other energy that was purchased or transferred in and not shown elsewhere.

* 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 4.1 Relative standard errors for table 4.1
Unit: Percentage

NAICS code ^a	Subsector and industry	Total	Electricity ^b	Residual fuel oil	Distillate fuel oil ^c	Natural gas ^d	HGL (excluding natural gasoline) ^e	Coal	Coke and breeze	Other ^f
Total United States										
311	Food	2.6	3.2	40.5	20.2	3.5	36.4	0.0	0.0	4.8
3112	Grain and Oilseed Milling	2.4	2.9	15.6	6.0	4.1	16.5	0.0	X	0.1
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	2.7	3.0	0.0	7.6	3.0	11.7	X	X	19.1
3115	Dairy Product Manufacturing	3.9	4.0	74.0	21.3	3.4	77.0	X	X	62.3
3116	Animal Slaughtering and Processing	4.3	4.0	0.0	5.1	5.0	25.5	X	X	12.8
312	Beverage and Tobacco Products	40.1	17.9	X	22.2	49.9	9.8	0.0	X	36.7
3121	Beverages	41.2	18.8	X	25.0	50.9	10.9	0.0	X	36.9
3122	Tobacco	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
313	Textile 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	54.8	13.5	55.3	X	X	98.7
315	Apparel	11.2	11.4	X	96.8	17.9	27.5	X	X	0.0
316	Leather and Allied Products	33.1	4.9	X	34.7	44.4	13.6	X	X	91.3
321	Wood Products	4.6	6.1	37.3	11.3	7.2	12.8	99.0	X	8.3
321113	Sawmills	4.9	1.9	38.7	4.7	7.5	9.6	X	X	12.9
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.7	2.7	0.0	22.1	2.0	8.1	X	X	0.5
321219	Reconstituted Wood Products	1.9	3.2	0.0	0.0	2.7	26.6	X	X	0.1
3219	Other Wood Products	18.1	20.8	X	27.4	26.1	16.9	99.0	X	23.9
322	Paper	1.1	2.4	0.9	0.4	1.4	16.6	0.9	X	0.1
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322120	Paper Mills	0.0	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	11.5	12.3	99.0	58.4	13.8	22.2	X	X	88.6
324	Petroleum and Coal Products	0.2	0.1	17.5	2.9	0.2	0.1	0.0	0.0	0.7
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	3.9	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	10.2	1.6	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	0.0	0.0	0.0	0.0	0.0
325	Chemicals	2.3	3.1	0.0	10.1	3.0	4.0	0.1	X	2.2
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	8.2	16.0	X	7.2	0.2	66.9	X	X	11.2
325180	Other Basic Inorganic Chemical Manufacturing	2.7	2.8	X	24.6	3.3	26.1	0.0	X	6.7
325193	Ethyl Alcohol	2.6	2.6	X	3.1	2.7	0.5	0.0	X	18.9
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	2.8	2.3	0.0	11.4	3.9	10.7	0.0	X	3.7
325211	Plastics Materials and Resins	1.3	4.0	X	4.0	1.3	3.2	X	X	2.1
325212	Synthetic Rubber	0.1	0.5	X	0.0	0.1	0.0	0.0	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.8	2.2	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	0.0	0.0	0.0	0.0	0.0	X	0.0
3254	Pharmaceuticals and Medicines	9.2	5.1	X	1.4	14.1	4.5	96.1	X	33.2
325412	Pharmaceutical Preparation	15.8	4.8	X	1.2	24.8	5.8	X	X	43.3
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	14.0	18.6	90.7	44.7	16.0	34.2	X	X	57.8
327	Nonmetallic Mineral Products	12.3	26.5	0.0	23.7	4.9	19.6	10.5	6.3	32.5
327120	Clay Building Material and Refractories	3.4	2.5	X	1.9	3.9	1.8	0.0	X	11.3
327211	Flat Glass	0.2	1.2	X	0.0	0.1	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.4	0.7	X	0.0	0.5	36.6	X	X	21.3
327213	Glass Containers	0.1	0.1	X	0.0	0.1	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	73.0	2.1	X	43.7	1.7	28.1	X	X	95.0
327310	Cements	5.9	6.1	X	3.1	2.1	0.5	13.8	9.9	7.3
327410	Lime	0.0	0.0	X	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	X	X	0.0
327993	Mineral Wool	16.0	13.1	X	0.0	16.9	67.3	0.0	0.0	0.0
331	Primary Metals	0.2	0.2	0.0	11.7	0.2	4.1	0.1	0.5	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	3.4	X	37.3	3.6	9.0	X	0.0	3.4
3313	Alumina and Aluminum Production and Processing	0.2	0.2	X	0.0	0.1	16.9	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.2	0.5	X	0.0	0.1	0.5	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	1.0	1.4	X	0.0	0.7	26.7	X	X	0.1
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.3	0.9	X	3.8	1.2	5.9	X	13.6	12.8
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.3	0.1	X	0.0	0.4	8.1	X	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	23.4	15.4	99.5	34.4	29.7	21.6	X	X	69.7
333	Machinery	10.8	11.1	X	44.3	13.3	35.9	X	X	33.1
334	Computer and Electronic Products	12.0	15.3	0.0	29.3	8.8	42.9	X	X	45.3
334413	Semiconductors and Related Devices	2.6	2.2	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	24.7	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	0.6	1.1	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	2.3
336411	Aircraft	4.7	5.6	X	2.5	4.3	26.3	X	X	27.4
337	Furniture and Related Products	33.0	50.9	X	47.1	15.9	26.1	84.0	X	26.7
339	Miscellaneous	15.9	16.4	X	47.5	20.5	34.5	X	X	49.5
	Total	1.9	3.0	4.4	7.1	2.2	4.2	5.1	0.5	7.3

Northeast Census Region

311	Food	12.4	13.9	3.8	59.9	15.8	40.8	X	X	31.0
3112	Grain and Oilseed Milling	2.6	3.8	X	62.9	3.0	64.4	X	X	64.5
311221	Wet Corn Milling and Starch Manufacturing	X	X	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	0.0	X	X	0.0	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	8.6	10.4	0.0	0.9	9.4	4.4	X	X	96.3
3115	Dairy Product Manufacturing	4.0	4.7	19.6	0.7	4.7	10.6	X	X	2.6
3116	Animal Slaughtering and Processing	4.3	4.3	X	21.6	5.2	28.2	X	X	0.0
312	Beverage and Tobacco Products	17.6	14.0	X	20.5	20.4	23.3	X	X	0.0
3121	Beverages	18.5	14.2	X	20.5	22.0	23.6	X	X	0.0
3122	Tobacco	0.0	0.0	X	X	0.0	0.0	X	X	X

313	Textile Mills	13.8	13.0	X	80.2	17.6	0.3	X	X	76.0
314	Textile Product Mills	55.8	58.4	X	X	67.6	66.2	X	X	99.3
315	Apparel	41.5	44.3	X	32.0	56.7	0.0	X	X	X
316	Leather and Allied Products	10.9	6.0	X	37.3	12.6	41.6	X	X	95.9
321	Wood Products	7.6	7.5	37.3	11.7	12.5	29.7	99.0	X	12.9
321113	Sawmills	4.5	2.3	38.7	12.6	5.9	17.2	X	X	3.2
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	16.5	20.1	0.0	7.3	19.9	16.5	X	X	5.0
321219	Reconstituted Wood Products	21.4	28.0	0.0	0.0	20.7	0.0	X	X	0.0
3219	Other Wood Products	12.2	14.1	X	55.0	11.9	53.5	99.0	X	32.6
322	Paper	4.3	7.8	2.5	0.3	4.8	19.5	0.0	X	0.1
322110	Pulp Mills	0.0	0.0	X	X	0.0	0.0	X	X	0.0
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322130	Paperboard Mills	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
323	Printing and Related Support	23.8	23.9	99.0	62.6	27.9	51.2	X	X	92.9
324	Petroleum and Coal Products	1.8	0.9	31.8	3.1	3.3	0.9	X	X	2.4
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	3.6	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	0.0	0.0	X	X	X
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	X	0.0	0.0	0.0	X	X	X
325	Chemicals	11.1	23.6	0.0	62.4	6.4	3.7	X	X	16.0
325110	Petrochemicals	0.0	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	0.0
325180	Other Basic Inorganic Chemical Manufacturing	10.3	1.7	X	33.7	17.9	5.2	X	X	48.3
325193	Ethyl Alcohol	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
325199	All Other Basic Organic Chemical Manufacturing	5.3	10.5	0.0	10.2	4.6	23.4	X	X	0.1
325211	Plastics Materials and Resins	5.6	14.8	X	0.5	3.8	26.4	X	X	0.1
325212	Synthetic Rubber	18.8	35.6	X	X	12.9	0.0	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	X	0.0	X	X	X
3254	Pharmaceuticals and Medicines	13.9	17.2	X	2.5	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	54.2	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
327212	Other Pressed and Blown Glass and Glassware	1.0	1.6	X	0.0	0.8	60.3	X	X	0.0
327213	Glass Containers	0.1	0.1	X	0.0	0.1	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	92.6	2.9	X	72.1	2.9	1.7	X	X	95.1
327310	Cements	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
327410	Lime	0.0	0.0	X	0.0	0.0	X	0.0	X	X
327420	Gypsum	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X
327993	Mineral Wool	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331	Primary Metals	0.5	0.7	X	1.5	0.5	2.1	1.7	0.0	1.5
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	4.3	5.5	X	39.9	5.1	13.1	X	0.0	0.0
3313	Alumina and Aluminum Production and Processing	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	X	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	0.0

331318	Other Aluminum Rolling, Drawing and Extruding	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.4	2.4	X	0.9	1.8	9.6	X	0.0	12.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.4	0.4	X	0.0	0.5	0.1	X	0.0	X
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	X	2.9	0.2	X	X	71.1
331524	Aluminum Foundries, except Die-Casting	3.5	1.8	X	69.7	4.7	5.2	X	X	0.0
332	Fabricated Metal Products	33.3	24.8	99.5	63.5	44.7	56.2	X	X	54.1
333	Machinery	37.6	31.2	X	90.9	53.9	88.5	X	X	98.2
334	Computer and Electronic Products	9.0	10.2	0.0	11.1	8.8	74.5	X	X	93.8
334413	Semiconductors and Related Devices	2.3	3.0	0.0	0.0	1.2	0.0	X	X	0.0
335	Electrical Equip., Appliances, and Components	12.7	22.1	X	6.5	25.4	32.5	X	0.0	94.4
336	Transportation Equipment	19.0	22.5	X	8.2	18.0	67.4	X	X	35.6
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	0.0	X	X	0.0	X	X	X	0.0
3364	Aerospace Product and Parts	5.1	11.2	X	0.0	3.7	13.5	X	X	0.0
336411	Aircraft	11.3	36.4	X	0.0	0.0	0.0	X	X	0.0
337	Furniture and Related Products	26.2	30.8	X	99.0	33.0	67.2	X	X	81.9
339	Miscellaneous	31.3	25.9	X	72.4	41.6	64.6	X	X	99.0
	Total	7.5	6.7	8.6	16.1	4.5	10.8	0.1	0.0	42.5

Midwest Census Region

311	Food	4.1	5.4	51.3	11.7	6.3	71.1	0.0	0.0	5.3
3112	Grain and Oilseed Milling	2.8	2.8	65.8	0.9	5.1	7.9	0.0	X	0.1
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	3.3	4.4	X	24.7	3.9	39.0	X	X	71.9
3115	Dairy Product Manufacturing	8.8	6.6	79.2	35.3	8.0	98.4	X	X	71.2
3116	Animal Slaughtering and Processing	8.3	9.1	0.0	8.7	8.7	48.5	X	X	0.5
312	Beverage and Tobacco Products	6.5	9.2	X	3.8	6.4	38.8	X	X	97.2
3121	Beverages	6.5	9.2	X	3.8	6.4	38.8	X	X	97.2
3122	Tobacco	0.0	0.0	X	X	0.0	X	X	X	X
313	Textile Mills	7.7	7.7	X	0.0	8.9	33.5	X	X	X
314	Textile Product Mills	36.6	32.4	X	X	43.6	63.7	X	X	X
315	Apparel	43.8	42.6	X	X	46.8	X	X	X	X
316	Leather and Allied Products	46.6	8.2	X	0.0	53.8	7.6	X	X	0.0
321	Wood Products	5.7	4.6	X	52.2	4.3	22.5	X	X	51.8
321113	Sawmills	10.5	7.1	X	36.2	17.7	6.8	X	X	0.7
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.9	2.7	X	22.7	1.7	17.3	X	X	5.6
321219	Reconstituted Wood Products	1.0	0.6	X	0.0	1.2	9.5	X	X	26.8
3219	Other Wood Products	10.3	8.6	X	42.9	11.6	35.0	X	X	64.1
322	Paper	3.7	6.0	0.0	1.3	4.5	30.9	7.1	X	0.0
322110	Pulp Mills	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
322120	Paper Mills	0.0	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	X	X	0.0
323	Printing and Related Support	20.5	24.4	X	X	21.0	10.3	X	X	6.9
324	Petroleum and Coal Products	0.8	0.4	0.0	1.6	0.5	0.2	X	0.0	4.2
324110	Petroleum Refineries	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	8.5	17.2	0.0	2.8	4.9	7.3	X	X	31.6
324122	Asphalt Shingle and Coating Materials	0.6	1.7	X	0.0	0.6	5.2	X	X	0.0
324191	Petroleum Lubricating Oil and Grease Manufacturing	1.8	1.5	X	0.3	2.0	4.5	X	X	21.3
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0
325	Chemicals	6.8	3.8	0.0	7.7	8.8	40.5	0.1	X	10.3

325110	Petrochemicals	0.0	0.0	X	X	X	0.0	X	X	X
325120	Industrial Gases	5.1	5.2	X	X	15.0	0.0	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	15.1	5.3	X	37.7	18.9	13.6	X	X	16.4
325193	Ethyl Alcohol	2.7	2.8	X	3.3	2.9	1.8	0.0	X	19.5
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	2.1	2.5	X	16.3	3.6	22.6	X	X	1.9
325211	Plastics Materials and Resins	2.5	3.1	X	24.3	3.2	4.2	X	X	0.1
325212	Synthetic Rubber	0.0	0.0	X	X	0.0	0.0	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	X
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	0.0	0.0	0.0	0.0	X	X	0.0
3254	Pharmaceuticals and Medicines	18.7	6.9	X	11.7	27.9	34.5	96.1	X	41.8
325412	Pharmaceutical Preparation	33.3	6.7	X	14.6	45.8	63.2	X	X	67.2
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	X	0.0	0.0	0.0	X	X	X
326	Plastics and Rubber Products	32.2	40.4	99.0	87.5	33.6	66.8	X	X	97.2
327	Nonmetallic Mineral Products	15.6	4.6	X	22.0	5.9	38.8	0.0	15.6	54.5
327120	Clay Building Material and Refractories	4.9	7.2	X	5.8	4.9	4.2	X	X	15.1
327211	Flat Glass	0.3	2.3	X	0.0	0.1	0.0	X	X	X
327212	Other Pressed and Blown Glass and Glassware	1.1	0.9	X	0.0	1.3	0.0	X	X	X
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	1.9	2.2	X	0.0	2.9	19.3	X	X	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	X	X	0.0
327993	Mineral Wool	32.7	26.9	X	0.0	34.9	79.4	X	0.0	0.0
331	Primary Metals	0.2	0.3	0.0	0.3	0.2	6.3	0.0	0.5	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	X	X	1.1
3313	Alumina and Aluminum Production and Processing	0.4	0.2	X	0.0	0.3	29.5	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	D	D	X	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	2.6	1.5	X	0.0	1.7	42.6	X	X	0.1
3314	Nonferrous Metal (except Aluminum) Production and Processing	4.7	1.7	X	11.6	3.1	7.2	X	48.6	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3315	Foundries	2.0	1.8	X	3.4	1.7	9.8	X	9.7	3.2
331511	Iron Foundries	3.6	3.2	X	0.5	1.7	3.3	X	9.7	14.3
331523	Nonferrous Metal Die-Casting Foundries	3.4	3.3	X	0.0	3.7	25.7	X	X	0.3
331524	Aluminum Foundries, except Die-Casting	4.0	5.1	X	0.0	3.9	38.5	X	X	0.0
332	Fabricated Metal Products	16.5	14.0	X	62.3	20.9	37.3	X	X	62.0
333	Machinery	16.3	17.7	X	63.9	17.3	32.3	X	X	37.7
334	Computer and Electronic Products	47.6	55.4	X	31.5	27.7	47.1	X	X	21.8
334413	Semiconductors and Related Devices	2.8	2.2	X	0.0	4.0	0.1	X	X	0.0
335	Electrical Equip., Appliances, and Components	24.4	22.8	X	90.4	28.8	38.6	X	X	54.3
336	Transportation Equipment	8.8	10.6	X	16.0	10.0	41.6	X	X	3.0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.1	0.1	X	0.0	0.1	0.0	X	X	0.0
3364	Aerospace Product and Parts	4.2	7.9	X	5.9	1.6	5.6	X	X	4.3
336411	Aircraft	4.0	4.4	X	13.1	3.8	7.9	X	X	31.0
337	Furniture and Related Products	20.1	20.1	X	61.7	24.5	40.4	X	X	50.2
339	Miscellaneous	28.3	31.2	X	63.2	31.9	50.5	X	X	71.3
	Total	2.7	5.3	16.9	11.6	3.3	15.2	0.2	0.5	17.0

South Census Region

311	Food	4.7	4.6	0.0	18.3	5.6	22.6	0.0	X	4.9
3112	Grain and Oilseed Milling	4.1	10.9	0.0	8.5	3.8	10.3	0.0	X	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	4.9	X	2.2	3.3	19.8	X	X	0.1
3115	Dairy Product Manufacturing	3.1	11.1	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	26.3
312	Beverage and Tobacco Products	52.6	34.9	X	12.3	60.3	9.7	0.0	X	27.7
3121	Beverages	54.3	38.5	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	7.5	11.1	X	11.1	12.5	22.1	X	X	0.7
321113	Sawmills	2.5	2.7	X	6.4	6.6	17.2	X	X	1.1
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.1	3.1	X	23.9	0.7	11.1	X	X	0.1
321219	Reconstituted Wood Products	1.3	4.8	X	0.0	0.1	37.6	X	X	0.0
3219	Other Wood Products	36.2	39.5	X	47.6	51.3	26.3	X	X	6.6
322	Paper	1.5	4.5	0.0	0.5	1.8	30.1	0.0	X	0.1
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322120	Paper Mills	0.0	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	0.3	0.1	23.3	5.8	0.3	0.1	X	X	0.5
324110	Petroleum Refineries	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	7.5	3.8	23.3	12.0	6.9	5.7	X	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	Petroleum Lubricating Oil and Grease Manufacturing	13.0	2.3	X	1.3	15.3	5.7	X	X	0.5
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	2.2	2.1	X	2.3	2.7	1.0	0.0	X	1.9
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	1.5	5.3	X	8.6	0.1	92.0	X	X	12.5
325180	Other Basic Inorganic Chemical Manufacturing	3.2	3.8	X	32.0	3.5	31.2	X	X	7.4
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	3.5	3.1	X	13.7	5.0	17.9	0.0	X	4.4
325211	Plastics Materials and Resins	1.4	5.0	X	3.8	1.4	3.4	X	X	2.3
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	3.8	5.5	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	48.7	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	X	X	11.4
327211	Flat Glass	0.4	2.2	X	0.0	0.1	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.4	0.4	X	0.0	0.2	50.7	X	X	73.0
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	3.2	4.1	X	0.0	3.3	49.8	X	X	0.0

327310	Cements	2.7	3.3	X	4.2	3.9	2.2	5.2	20.5	0.8
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	5.7	6.9	X	7.6	5.6	10.8	X	X	0.0
327993	Mineral Wool	0.5	1.6	X	0.0	0.0	0.2	0.0	0.0	0.0
331	Primary Metals	0.4	0.4	X	20.7	0.3	2.4	0.0	0.7	0.3
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	6.1	8.2	X	39.1	3.4	10.4	X	X	46.1
3313	Alumina and Aluminum Production and Processing	0.2	0.3	X	0.0	0.2	2.0	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	D	D	X	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.5	1.1	X	0.0	0.3	1.4	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	1.2	3.1	X	0.0	0.8	4.4	X	X	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.2	1.7	X	0.2	1.6	6.7	X	0.0	52.2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.7	0.2	X	0.0	2.3	19.3	X	X	0.0
3315	Foundries	2.3	2.1	X	3.2	3.3	4.4	X	2.1	0.7
331511	Iron Foundries	2.6	3.7	X	4.1	2.6	5.0	X	2.1	0.0
331523	Nonferrous Metal Die-Casting Foundries	5.6	3.2	X	38.0	6.8	7.8	X	X	28.4
331524	Aluminum Foundries, except Die-Casting	14.8	6.3	X	0.0	21.9	12.6	X	X	X
332	Fabricated Metal Products	50.2	42.7	X	58.4	55.4	38.0	X	X	95.6
333	Machinery	19.2	19.2	X	49.4	26.5	72.0	X	X	69.5
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	0.0
335	Electrical Equip., Appliances, and Components	17.5	16.6	X	31.9	21.3	43.9	X	X	69.0
336	Transportation Equipment	10.5	11.6	96.5	7.8	14.5	27.9	X	X	4.0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	1.3	1.7	X	0.0	1.2	0.0	X	X	0.1
3364	Aerospace Product and Parts	13.0	13.7	X	8.6	12.1	36.6	X	X	2.7
336411	Aircraft	1.8	2.3	X	3.3	1.0	52.9	X	X	26.5
337	Furniture and Related Products	54.7	71.0	X	35.8	29.2	41.2	84.0	X	27.8
339	Miscellaneous	22.8	23.1	X	86.2	35.6	57.1	X	X	51.0
	Total	2.8	5.1	7.1	10.6	3.8	3.8	2.1	5.2	0.8

West Census Region

311	Food	4.6	7.7	41.7	41.7	4.1	11.7	0.0	0.0	25.6
3112	Grain and Oilseed Milling	4.3	8.4	41.7	35.3	5.9	39.6	X	X	11.6
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	X	X	0.0	0.0	X	X	X
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	24.8
3115	Dairy Product Manufacturing	6.7	7.9	X	61.3	6.8	0.8	X	X	61.2
3116	Animal Slaughtering and Processing	5.1	7.6	X	3.5	4.8	63.9	X	X	11.7
312	Beverage and Tobacco Products	14.6	6.3	X	48.7	22.4	17.8	X	X	42.1
3121	Beverages	14.6	6.3	X	48.7	22.4	17.8	X	X	42.1
3122	Tobacco	0.0	0.0	X	X	0.0	X	X	X	X
313	Textile Mills	21.5	37.8	X	X	5.9	5.5	X	X	0.0
314	Textile Product Mills	34.8	49.9	X	X	37.7	98.8	X	X	X
315	Apparel	31.1	33.9	X	X	49.5	X	X	X	X
316	Leather and Allied Products	39.3	21.0	X	X	70.7	0.0	X	X	X
321	Wood Products	8.0	4.2	X	11.4	10.7	16.9	X	X	20.4
321113	Sawmills	12.9	2.9	X	5.7	23.7	17.8	X	X	26.1
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	4.8	7.3	X	49.5	4.9	16.6	X	X	1.5
321219	Reconstituted Wood Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3219	Other Wood Products	25.8	23.0	X	44.7	34.4	34.0	X	X	46.0
322	Paper	3.1	4.1	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	X	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	31.5	28.2	X	X	41.3	46.7	X	X	X
324	Petroleum and Coal Products	0.1	0.1	40.7	13.0	0.1	0.3	0.0	X	0.1
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	4.1	3.3	43.1	24.0	5.1	12.7	X	X	14.6
324122	Asphalt Shingle and Coating Materials	1.8	1.0	X	0.0	2.2	0.8	X	X	61.4
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	0.0	X	X	0.0	0.0	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	X	X	0.0	0.0	0.0	X	X
325	Chemicals	1.5	2.7	X	23.4	1.8	7.0	0.0	X	0.1
325110	Petrochemicals	0.0	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	2.3	2.7	X	X	0.8	69.1	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	1.0	1.3	X	74.0	2.7	38.0	0.0	X	3.5
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	0.6	1.1	X	55.5	0.7	0.3	X	X	0.0
325211	Plastics Materials and Resins	34.7	39.5	X	13.8	31.6	20.5	X	X	0.1
325212	Synthetic Rubber	0.0	0.0	X	X	0.0	0.0	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	X
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	X	X	0.0
3254	Pharmaceuticals and Medicines	5.9	8.1	X	1.9	5.1	5.4	X	X	0.0
325412	Pharmaceutical Preparation	8.5	11.5	X	6.5	7.0	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
326	Plastics and Rubber Products	31.1	31.5	X	X	68.5	66.3	X	X	99.0
327	Nonmetallic Mineral Products	37.1	34.9	X	38.9	24.2	47.7	29.9	0.0	67.2
327120	Clay Building Material and Refractories	2.5	4.1	X	8.0	2.6	9.2	X	X	30.1
327211	Flat Glass	0.0	0.0	X	X	0.0	0.0	X	X	X
327212	Other Pressed and Blown Glass and Glassware	3.5	14.6	X	0.0	0.3	7.8	X	X	X
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	2.8	5.0	X	X	1.5	21.0	X	X	21.4
327310	Cements	23.1	23.8	X	0.0	2.2	0.0	34.1	0.0	0.0
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.5	2.9	X	5.2	0.4	0.0	X	X	0.0
327993	Mineral Wool	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331	Primary Metals	2.2	1.3	X	4.2	2.8	3.0	0.0	0.0	4.4
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
3312	Steel Products from Purchased Steel	18.1	14.3	X	3.3	20.7	38.4	X	X	4.9
3313	Alumina and Aluminum Production and Processing	0.5	0.6	X	0.0	0.5	0.6	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.5	2.1	X	0.0	1.4	1.3	X	X	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.2	0.3	X	10.6	1.8	0.4	X	X	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	0.2	X	0.0	0.1	0.1	X	X	0.0
3315	Foundries	1.9	1.5	X	9.1	2.5	1.5	X	0.0	0.1
331511	Iron Foundries	0.6	0.9	X	0.0	1.0	1.6	X	0.0	0.0
331523	Nonferrous Metal Die-Casting Foundries	6.5	5.5	X	42.1	7.0	8.1	X	X	9.5
331524	Aluminum Foundries, except Die-Casting	2.3	3.4	X	X	1.9	0.6	X	X	0.0
332	Fabricated Metal Products	22.3	25.0	X	61.7	31.4	37.5	X	X	89.4
333	Machinery	30.9	32.9	X	92.0	40.8	58.6	X	X	89.5
334	Computer and Electronic Products	10.8	9.7	X	42.5	19.3	7.2	X	X	68.6
334413	Semiconductors and Related Devices	6.4	5.1	X	51.2	14.7	15.3	X	X	73.0

335	Electrical Equip., Appliances, and Components	41.1	36.8	X	67.3	57.6	98.4	X	X	91.0
336	Transportation Equipment	6.0	6.7	X	38.3	6.3	43.7	X	X	21.1
336110	Automobile and Light Duty Motor Vehicle Manufacturing	10.3	14.6	X	91.1	3.4	27.9	X	X	0.0
3364	Aerospace Product and Parts	4.9	5.0	X	4.2	5.8	19.5	X	X	17.0
336411	Aircraft	13.6	14.9	X	5.6	12.9	33.5	X	X	47.0
337	Furniture and Related Products	33.8	30.4	X	X	45.4	49.0	X	X	94.3
339	Miscellaneous	22.5	21.7	X	55.7	28.1	53.7	X	X	62.2
	Total	7.4	5.0	4.7	21.4	2.8	5.0	19.6	0.0	30.2

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 represent the consumption of energy originally produced offsite, acquired because of a purchase or transfer, and consumed onsite for the production of heat and power. This definition is consistent with the definition of *purchased* fuels and electric energy used by the Bureau of the Census in the preparation of *Fuels and Electric Energy Consumed* of the *Annual Survey of Manufactures*.

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

^b *Electricity* consists of quantities of electricity that were purchased or transferred in and is equivalent to *purchased electricity* as defined in the *Annual Survey of Manufactures*.

^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 all other energy that was purchased or transferred in and not shown elsewhere.

* 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).