

Released: August 2025
Next MECS will be fielded in 2027

Table 10.2 Capability to switch natural gas to alternative energy sources, 2022

Level: National and regional data
Row: NAICS codes
Column: Energy sources
Unit: Billion cubic feet

		Natural gas			Alternative energy sources ^b						
NAICS code ^a	Subsector and industry	Total consumed ^c	Switchable	Not switchable	Electricity receipts ^d	Distillate fuel oil	Residual fuel oil	Coal	HGL (excluding natural gasoline)	Coal coke and breeze	Other ^e
Total United States											
311	Food	679	48	630	Q	21	5	*	11	0	3
3112	Grain and Oilseed Milling	164	9	155	*	3	Q	*	*	0	*
311221	Wet Corn Milling and Starch Manufacturing	67	*	67	*	0	0	0	*	0	*
31131	Sugar Manufacturing	38	1	37	0	0	0	0	*	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	85	3	81	*	2	2	0	*	0	0
3115	Dairy Product Manufacturing	114	12	101	Q	5	2	0	3	0	1
3116	Animal Slaughtering and Processing	157	14	143	*	9	*	0	2	0	2
312	Beverage and Tobacco Products	204	4	Q	*	3	0	0	1	0	0
3121	Beverages	Q	2	Q	*	1	0	0	*	0	0
3122	Tobacco	4	2	2	0	2	0	0	*	0	0
313	Textile Mills	23	4	19	*	3	*	*	Q	0	*
314	Textile Product Mills	10	1	9	0	*	*	0	Q	0	0
315	Apparel	1	*	1	0	*	*	0	*	0	0
316	Leather and Allied Products	2	0	2	0	0	0	0	0	0	0
321	Wood Products	77	1	76	*	0	*	0	*	0	Q
321113	Sawmills	17	*	17	*	0	0	0	*	0	*
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	36	*	36	*	0	0	0	0	0	*
321219	Reconstituted Wood Products	21	0	21	0	0	0	0	0	0	0
3219	Other Wood Products	20	Q	20	*	0	*	0	*	0	*
322	Paper	595	71	523	11	17	14	11	1	3	10
322110	Pulp Mills	53	7	46	0	1	2	0	0	0	3
322120	Paper Mills	181	13	168	*	1	3	1	0	3	3
322130	Paperboard Mills	269	45	224	10	12	9	8	1	0	4
323	Printing and Related Support	20	*	20	*	0	0	0	*	0	0
324	Petroleum and Coal Products	1,068	92	976	1	6	4	0	75	0	12
324110	Petroleum Refineries	984	85	899	*	0	1	0	73	0	11
324121	Asphalt Paving Mixture and Block	51	6	45	1	5	3	0	2	0	1
324122	Asphalt Shingle and Coating Materials	11	*	11	*	*	0	0	*	0	*
324191	Petroleum Lubricating Oil and Grease Manufacturing	12	0	12	0	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	10	*	10	0	0	0	0	0	0	*
325	Chemicals	2,490	102	2,388	4	19	3	8	24	0	37
325110	Petrochemicals	390	30	360	*	0	1	0	0	0	29
325120	Industrial Gases	90	*	90	*	0	0	0	*	0	0
325180	Other Basic Inorganic Chemical Manufacturing	207	1	206	0	1	0	0	0	0	*
325193	Ethyl Alcohol	368	0	368	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	38	1	37	0	0	0	0	1	0	0
325199	All Other Basic Organic Chemical Manufacturing	298	33	266	1	4	1	6	16	0	1

325211	Plastics Materials and Resins	484	12	472	2	3	0	0	Q	0	4
325212	Synthetic Rubber	26	2	24	1	*	*	0	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	16	8	9	0	2	*	0	5	0	0
325311	Nitrogenous Fertilizers	189	*	189	*	*	0	0	*	0	0
325312	Phosphatic Fertilizers	3	1	3	0	0	1	0	0	0	0
3254	Pharmaceuticals and Medicines	68	8	60	1	4	*	2	*	0	0
325412	Pharmaceutical Preparation	37	5	32	*	1	*	2	*	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	3	1	2	*	*	0	0	1	0	0
326	Plastics and Rubber Products	102	Q	98	*	1	Q	*	*	0	0
327	Nonmetallic Mineral Products	402	36	366	2	*	*	16	12	Q	5
327120	Clay Building Material and Refractories	29	3	27	*	0	0	0	*	0	1
327211	Flat Glass	37	10	27	0	0	0	0	10	0	*
327212	Other Pressed and Blown Glass and Glassware	18	2	17	2	0	0	0	*	0	0
327213	Glass Containers	40	0	40	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	9	*	8	*	*	0	0	0	0	*
327310	Cements	86	14	72	*	0	0	11	0	*	3
327410	Lime	25	3	22	0	0	0	3	0	*	0
327420	Gypsum	68	0	68	0	0	0	0	0	0	0
327993	Mineral Wool	31	*	30	*	*	0	0	*	0	0
331	Primary Metals	603	23	580	1	1	*	15	5	0	*
331110	Iron and Steel Mills and Ferroalloys	374	16	359	*	0	0	15	1	0	0
3312	Steel Products from Purchased Steel	31	Q	30	*	*	*	*	*	0	0
3313	Alumina and Aluminum Production and Processing	114	1	113	0	0	0	0	1	0	*
331314	Secondary Smelting and Alloying of Aluminum	19	0	19	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	60	1	59	0	0	0	0	1	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	18	*	18	0	0	0	0	*	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	42	2	40	*	1	0	0	1	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	13	*	13	0	0	0	0	*	0	0
3315	Foundries	41	3	38	*	0	*	0	2	0	*
331511	Iron Foundries	11	1	10	*	0	0	0	1	0	0
331523	Nonferrous Metal Die-Casting Foundries	15	1	14	*	0	0	0	1	0	0
331524	Aluminum Foundries, except Die-Casting	4	*	4	*	0	0	0	0	0	0
332	Fabricated Metal Products	265	1	264	Q	*	*	0	*	0	0
333	Machinery	58	5	53	1	*	0	0	4	0	0
334	Computer and Electronic Products	31	3	28	*	3	0	0	1	0	0
334413	Semiconductors and Related Devices	18	3	15	*	2	0	0	1	0	0
335	Electrical Equip., Appliances, and Components	35	Q	35	0	0	0	0	Q	0	0
336	Transportation Equipment	126	7	119	1	3	*	0	*	0	1
336110	Automobile and Light Duty Motor Vehicle Manufacturing	39	1	38	1	0	0	0	0	0	*
3364	Aerospace Product and Parts	26	4	22	*	3	*	0	*	0	0
336411	Aircraft	8	2	6	*	1	0	0	*	0	0
337	Furniture and Related Products	13	1	13	*	*	*	*	*	*	*
339	Miscellaneous	23	Q	22	*	0	0	0	0	0	0
	Total	6,827	406	6,422	25	78	28	49	138	5	69

Northeast Census Region

311	Food	48	7	41	*	4	2	0	*	0	*
3112	Grain and Oilseed Milling	2	0	2	0	0	0	0	0	0	0
311221	Wet Corn Milling and Starch Manufacturing	0	0	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	2	0	2	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	5	1	4	*	*	1	0	0	0	0

3115	Dairy Product Manufacturing	14	2	12	0	1	1	0	*	0	*
3116	Animal Slaughtering and Processing	7	1	5	0	1	*	0	0	0	*
312	Beverage and Tobacco Products	10	*	9	*	0	0	0	*	0	0
3121	Beverages	9	*	9	*	0	0	0	*	0	0
3122	Tobacco	1	0	1	0	0	0	0	0	0	0
313	Textile Mills	3	*	3	*	0	0	0	0	0	0
314	Textile Product Mills	Q	*	Q	0	*	0	0	0	0	0
315	Apparel	*	0	*	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	*	0	0	0	0	0	0	0
321	Wood Products	5	*	5	*	0	*	0	*	0	0
321113	Sawmills	*	0	*	0	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	3	*	3	*	0	0	0	0	0	0
321219	Reconstituted Wood Products	3	0	3	0	0	0	0	0	0	0
3219	Other Wood Products	2	*	2	*	0	*	0	*	0	0
322	Paper	97	16	80	0	Q	5	2	0	3	1
322110	Pulp Mills	3	1	3	0	0	1	0	0	0	0
322120	Paper Mills	57	7	50	0	*	3	0	0	3	1
322130	Paperboard Mills	13	3	10	0	1	2	*	0	0	0
323	Printing and Related Support	4	0	4	0	0	0	0	0	0	0
324	Petroleum and Coal Products	46	4	41	*	1	2	0	2	0	0
324110	Petroleum Refineries	32	3	29	0	0	1	0	2	0	0
324121	Asphalt Paving Mixture and Block	11	1	9	0	1	*	0	0	0	0
324122	Asphalt Shingle and Coating Materials	1	*	1	*	*	0	0	*	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	0	*	0	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	2	0	2	0	0	0	0	0	0	0
325	Chemicals	72	5	67	*	4	1	0	*	0	*
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	1	0	1	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	6	*	5	0	0	0	0	0	0	*
325193	Ethyl Alcohol	3	0	3	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	*	0	*	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	25	3	22	0	3	1	0	0	0	0
325211	Plastics Materials and Resins	7	*	7	0	0	0	0	*	0	0
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	0	*	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	0	*	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	18	1	17	*	1	0	0	*	0	0
325412	Pharmaceutical Preparation	8	*	7	*	*	0	0	*	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	1	*	1	0	*	0	0	0	0	0
326	Plastics and Rubber Products	35	Q	33	*	0	Q	0	0	0	0
327	Nonmetallic Mineral Products	51	6	45	*	0	0	1	5	0	0
327120	Clay Building Material and Refractories	2	*	2	*	0	0	0	*	0	0
327211	Flat Glass	5	5	*	0	0	0	0	5	0	0
327212	Other Pressed and Blown Glass and Glassware	3	*	3	*	0	0	0	*	0	0
327213	Glass Containers	5	0	5	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	1	*	1	*	0	0	0	0	0	0
327310	Cements	16	*	16	*	0	0	0	0	0	0
327410	Lime	3	1	2	0	0	0	1	0	0	0
327420	Gypsum	9	0	9	0	0	0	0	0	0	0
327993	Mineral Wool	2	*	2	0	0	0	0	*	0	0

331	Primary Metals	66	1	65	*	1	*	0	*	0	0
331110	Iron and Steel Mills and Ferroalloys	36	*	36	*	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	6	*	6	*	0	*	0	*	0	0
3313	Alumina and Aluminum Production and Processing	12	0	12	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	1	0	1	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	7	0	7	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	3	0	3	0	0	0	0	0	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	8	1	7	*	1	0	0	*	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2	0	2	0	0	0	0	0	0	0
3315	Foundries	3	*	3	*	0	*	0	*	0	0
331511	Iron Foundries	1	0	1	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	*	*	*	*	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	*	0	0	0	0	0	0	0
332	Fabricated Metal Products	37	*	37	*	0	0	0	0	0	0
333	Machinery	Q	*	Q	0	*	0	0	0	0	0
334	Computer and Electronic Products	8	2	6	*	2	0	0	0	0	0
334413	Semiconductors and Related Devices	5	1	4	*	1	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	4	*	4	0	0	0	0	*	0	0
336	Transportation Equipment	14	3	11	*	3	*	0	0	0	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	0	*	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	5	3	3	0	3	0	0	0	0	0
336411	Aircraft	1	1	1	0	1	0	0	0	0	0
337	Furniture and Related Products	1	0	1	0	0	0	0	0	0	0
339	Miscellaneous	4	*	4	0	0	0	0	0	0	0
	Total	512	48	464	1	20	12	3	8	3	2

Midwest Census Region

311	Food	314	23	291	Q	6	2	*	7	0	1
3112	Grain and Oilseed Milling	130	7	122	*	2	Q	*	0	0	*
311221	Wet Corn Milling and Starch Manufacturing	63	*	63	*	0	0	0	0	0	*
31131	Sugar Manufacturing	9	1	8	0	0	0	0	*	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	20	1	19	0	*	Q	0	*	0	0
3115	Dairy Product Manufacturing	40	5	35	Q	2	0	0	1	0	0
3116	Animal Slaughtering and Processing	69	5	65	*	2	0	0	1	0	1
312	Beverage and Tobacco Products	12	1	11	*	1	0	0	0	0	0
3121	Beverages	12	1	11	*	1	0	0	0	0	0
3122	Tobacco	*	0	*	0	0	0	0	0	0	0
313	Textile Mills	1	*	1	*	0	0	0	0	0	*
314	Textile Product Mills	2	0	2	0	0	0	0	0	0	0
315	Apparel	*	0	*	0	0	0	0	0	0	0
316	Leather and Allied Products	Q	0	Q	0	0	0	0	0	0	0
321	Wood Products	14	*	14	*	0	0	0	*	0	*
321113	Sawmills	2	*	2	*	0	0	0	*	0	*
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	8	*	8	*	0	0	0	0	0	0
321219	Reconstituted Wood Products	6	0	6	0	0	0	0	0	0	0
3219	Other Wood Products	4	*	4	*	0	0	0	*	0	*
322	Paper	113	5	109	*	2	3	*	1	0	*
322110	Pulp Mills	3	1	3	0	1	0	0	0	0	0
322120	Paper Mills	42	1	41	*	0	*	*	0	0	*
322130	Paperboard Mills	36	3	33	0	1	2	0	1	0	*
323	Printing and Related Support	10	*	10	0	0	0	0	*	0	0

324	Petroleum and Coal Products	158	28	130	*	1	*	0	23	0	5
324110	Petroleum Refineries	134	27	107	*	0	0	0	23	0	4
324121	Asphalt Paving Mixture and Block	16	1	15	0	1	*	0	1	0	1
324122	Asphalt Shingle and Coating Materials	3	*	3	0	*	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	2	0	2	0	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	3	*	3	0	0	0	0	0	0	*
325	Chemicals	651	11	640	*	5	1	2	*	0	Q
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	*	*	*	*	0	0	0	*	0	0
325180	Other Basic Inorganic Chemical Manufacturing	18	*	18	0	*	0	0	0	0	0
325193	Ethyl Alcohol	348	0	348	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	2	0	2	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	20	Q	19	0	Q	0	0	0	0	*
325211	Plastics Materials and Resins	37	3	33	*	3	0	0	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	0	*	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	52	*	52	0	0	0	0	*	0	0
325312	Phosphatic Fertilizers	2	1	1	0	0	1	0	0	0	0
3254	Pharmaceuticals and Medicines	33	3	30	*	1	0	2	0	0	0
325412	Pharmaceutical Preparation	19	3	Q	*	*	0	2	0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	*	*	0	0	0	0	*	0	0
326	Plastics and Rubber Products	31	*	31	*	0	*	*	*	0	0
327	Nonmetallic Mineral Products	100	8	93	*	0	*	7	*	Q	1
327120	Clay Building Material and Refractories	6	*	5	0	0	0	0	*	0	0
327211	Flat Glass	14	0	14	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	6	*	6	0	0	0	0	*	0	0
327213	Glass Containers	11	0	11	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	3	*	3	*	0	0	0	0	0	*
327310	Cements	12	4	7	0	0	0	4	0	*	*
327410	Lime	11	1	10	0	0	0	1	0	0	0
327420	Gypsum	10	0	10	0	0	0	0	0	0	0
327993	Mineral Wool	15	0	15	0	0	0	0	0	0	0
331	Primary Metals	325	17	308	*	*	0	15	2	0	*
331110	Iron and Steel Mills and Ferroalloys	238	15	223	0	0	0	15	0	0	0
3312	Steel Products from Purchased Steel	12	*	12	*	*	0	0	*	0	0
3313	Alumina and Aluminum Production and Processing	38	*	38	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	8	0	8	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	24	0	24	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	6	*	6	0	0	0	0	0	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	12	*	12	0	*	0	0	*	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1	*	1	0	0	0	0	*	0	0
3315	Foundries	26	2	24	*	0	0	0	2	0	*
331511	Iron Foundries	7	1	6	*	0	0	0	1	0	0
331523	Nonferrous Metal Die-Casting Foundries	10	1	9	*	0	0	0	*	0	0
331524	Aluminum Foundries, except Die-Casting	3	0	3	0	0	0	0	0	0	0
332	Fabricated Metal Products	79	Q	78	*	0	0	0	*	0	0
333	Machinery	35	5	30	*	*	0	0	4	0	0
334	Computer and Electronic Products	5	1	4	*	0	0	0	*	0	0
334413	Semiconductors and Related Devices	1	*	*	0	0	0	0	*	0	0
335	Electrical Equip., Appliances, and Components	14	Q	13	0	0	0	0	Q	0	0
336	Transportation Equipment	66	Q	65	*	0	0	0	*	0	*

336110	Automobile and Light Duty Motor Vehicle Manufacturing	24	*	24	0	0	0	0	0	0	*
3364	Aerospace Product and Parts	7	*	7	*	0	0	0	*	0	0
336411	Aircraft	2	0	2	0	0	0	0	0	0	0
337	Furniture and Related Products	7	Q	7	*	*	0	0	0	0	0
339	Miscellaneous	13	*	13	*	0	0	0	0	0	0
	Total	1,952	101	1,851	5	15	5	24	39	Q	10

South Census Region

311	Food	193	10	184	*	7	1	0	Q	0	*
3112	Grain and Oilseed Milling	29	1	28	0	1	0	0	0	0	0
311221	Wet Corn Milling and Starch Manufacturing	4	0	4	0	0	0	0	0	0	0
31131	Sugar Manufacturing	9	0	9	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	19	1	19	0	1	0	0	0	0	0
3115	Dairy Product Manufacturing	29	1	28	0	0	1	0	0	0	0
3116	Animal Slaughtering and Processing	66	6	60	*	5	0	0	*	0	*
312	Beverage and Tobacco Products	Q	3	Q	0	2	0	0	1	0	0
3121	Beverages	Q	*	Q	0	*	0	0	*	0	0
3122	Tobacco	4	2	1	0	2	0	0	*	0	0
313	Textile Mills	18	4	14	*	3	*	*	Q	0	0
314	Textile Product Mills	7	1	6	0	0	*	0	Q	0	0
315	Apparel	1	*	1	0	*	*	0	*	0	0
316	Leather and Allied Products	*	0	*	0	0	0	0	0	0	0
321	Wood Products	42	*	41	*	0	0	0	0	0	*
321113	Sawmills	11	*	11	*	0	0	0	0	0	*
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	18	*	18	*	0	0	0	0	0	0
321219	Reconstituted Wood Products	11	0	11	0	0	0	0	0	0	0
3219	Other Wood Products	Q	0	Q	0	0	0	0	0	0	0
322	Paper	330	38	292	8	8	4	9	0	0	7
322110	Pulp Mills	46	6	40	0	*	2	0	0	0	3
322120	Paper Mills	61	3	59	*	0	0	*	0	0	0
322130	Paperboard Mills	193	29	164	8	8	2	8	0	0	4
323	Printing and Related Support	4	*	4	*	0	0	0	*	0	0
324	Petroleum and Coal Products	583	41	542	1	3	2	0	31	0	7
324110	Petroleum Refineries	546	37	509	0	0	0	0	30	0	7
324121	Asphalt Paving Mixture and Block	18	4	14	1	3	2	0	1	0	0
324122	Asphalt Shingle and Coating Materials	6	*	5	*	*	0	0	*	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	10	0	10	0	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	3	0	3	0	0	0	0	0	0	0
325	Chemicals	1,698	69	1,629	3	9	1	6	7	0	34
325110	Petrochemicals	390	30	360	*	0	1	0	0	0	29
325120	Industrial Gases	79	0	79	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	167	1	167	0	1	0	0	0	0	0
325193	Ethyl Alcohol	10	0	10	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	33	0	33	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	234	14	221	1	Q	0	6	0	0	*
325211	Plastics Materials and Resins	439	8	430	2	*	0	0	*	0	4
325212	Synthetic Rubber	25	2	24	1	*	*	0	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	16	8	8	0	2	*	0	5	0	0
325311	Nitrogenous Fertilizers	131	0	131	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	1	0	1	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	12	2	9	0	2	*	0	*	0	0

325412	Pharmaceutical Preparation	7	1	6	0	1	*	0	*	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	1	*	*	0	0	0	0	*	0	0
326	Plastics and Rubber Products	31	1	30	*	1	Q	0	*	0	0
327	Nonmetallic Mineral Products	178	16	162	2	*	0	3	5	*	4
327120	Clay Building Material and Refractories	20	2	17	0	0	0	0	*	0	1
327211	Flat Glass	14	3	11	0	0	0	0	3	0	0
327212	Other Pressed and Blown Glass and Glassware	8	2	7	2	0	0	0	*	0	0
327213	Glass Containers	14	0	14	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	3	*	3	*	*	0	0	0	0	0
327310	Cements	47	6	41	0	0	0	3	0	0	2
327410	Lime	10	1	9	0	0	0	*	0	*	0
327420	Gypsum	35	0	35	0	0	0	0	0	0	0
327993	Mineral Wool	11	*	11	*	0	0	0	0	0	0
331	Primary Metals	178	3	175	*	*	0	0	3	0	*
331110	Iron and Steel Mills and Ferroalloys	91	1	90	*	0	0	0	1	0	0
3312	Steel Products from Purchased Steel	9	*	9	*	0	0	0	0	0	0
3313	Alumina and Aluminum Production and Processing	58	1	57	0	0	0	0	1	0	*
331314	Secondary Smelting and Alloying of Aluminum	9	0	9	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	25	1	24	0	0	0	0	1	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	7	*	7	0	0	0	0	0	0	*
3314	Nonferrous Metal (except Aluminum) Production and Processing	11	1	11	*	*	0	0	*	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2	0	2	0	0	0	0	0	0	0
3315	Foundries	9	*	8	0	0	0	0	*	0	0
331511	Iron Foundries	3	0	3	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	4	*	4	0	0	0	0	*	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	*	0	0	0	0	0	0	0
332	Fabricated Metal Products	Q	*	Q	*	0	0	0	*	0	0
333	Machinery	12	*	11	*	0	0	0	0	0	0
334	Computer and Electronic Products	7	1	6	0	1	0	0	1	0	0
334413	Semiconductors and Related Devices	5	1	4	0	1	0	0	1	0	0
335	Electrical Equip., Appliances, and Components	16	0	16	0	0	0	0	0	0	0
336	Transportation Equipment	36	2	34	1	*	*	0	*	0	*
336110	Automobile and Light Duty Motor Vehicle Manufacturing	14	1	13	1	0	0	0	0	0	0
3364	Aerospace Product and Parts	5	*	5	*	*	*	0	*	0	0
336411	Aircraft	2	0	2	0	0	0	0	0	0	0
337	Furniture and Related Products	4	*	4	*	*	*	*	*	*	*
339	Miscellaneous	2	*	2	*	0	0	0	0	0	0
	Total	3,645	188	3,457	16	36	8	18	51	*	52

West Census Region

311	Food	123	8	114	*	Q	0	0	2	0	2
3112	Grain and Oilseed Milling	3	*	3	*	*	0	0	*	0	*
311221	Wet Corn Milling and Starch Manufacturing	*	*	*	0	0	0	0	*	0	*
31131	Sugar Manufacturing	18	0	18	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	40	*	40	*	*	0	0	0	0	0
3115	Dairy Product Manufacturing	31	5	26	0	Q	0	0	1	0	1
3116	Animal Slaughtering and Processing	15	2	13	*	1	0	0	0	0	1
312	Beverage and Tobacco Products	14	*	14	*	*	0	0	0	0	0
3121	Beverages	14	*	14	*	*	0	0	0	0	0
3122	Tobacco	*	0	*	0	0	0	0	0	0	0
313	Textile Mills	1	*	1	0	*	0	0	0	0	0

314	Textile Product Mills	1	0	1	0	0	0	0	0	0	0
315	Apparel	*	0	*	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	*	0	0	0	0	0	0	0
321	Wood Products	16	Q	16	*	0	0	0	0	0	*
321113	Sawmills	4	*	4	*	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	8	*	8	*	0	0	0	0	0	*
321219	Reconstituted Wood Products	2	0	2	0	0	0	0	0	0	0
3219	Other Wood Products	4	*	4	0	0	0	0	0	0	*
322	Paper	55	12	42	2	3	2	0	0	0	2
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322120	Paper Mills	21	3	18	0	1	0	0	0	0	2
322130	Paperboard Mills	26	9	17	2	2	2	0	0	0	0
323	Printing and Related Support	2	0	2	0	0	0	0	0	0	0
324	Petroleum and Coal Products	282	19	263	0	*	*	0	18	0	*
324110	Petroleum Refineries	272	18	254	0	0	0	0	18	0	*
324121	Asphalt Paving Mixture and Block	7	*	6	0	*	*	0	*	0	0
324122	Asphalt Shingle and Coating Materials	1	*	1	0	0	0	0	0	0	*
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	0	*	0	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	2	*	1	0	0	0	0	0	0	*
325	Chemicals	70	18	52	*	*	0	0	17	0	0
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	10	0	10	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	16	0	16	0	0	0	0	0	0	0
325193	Ethyl Alcohol	7	0	7	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	2	1	1	0	0	0	0	1	0	0
325199	All Other Basic Organic Chemical Manufacturing	19	16	4	0	0	0	0	16	0	0
325211	Plastics Materials and Resins	1	0	1	0	0	0	0	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	0	*	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	6	*	6	*	0	0	0	*	0	0
325312	Phosphatic Fertilizers	1	0	1	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	5	1	4	*	0	0	0	0	0	0
325412	Pharmaceutical Preparation	3	1	2	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	1	*	1	*	*	0	0	*	0	0
326	Plastics and Rubber Products	Q	*	Q	*	0	0	0	0	0	0
327	Nonmetallic Mineral Products	73	7	66	*	*	0	4	2	0	*
327120	Clay Building Material and Refractories	2	0	2	0	0	0	0	0	0	0
327211	Flat Glass	4	2	2	0	0	0	0	2	0	*
327212	Other Pressed and Blown Glass and Glassware	1	0	1	0	0	0	0	0	0	0
327213	Glass Containers	9	0	9	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	1	*	1	*	0	0	0	0	0	0
327310	Cements	12	4	7	*	0	0	4	0	0	*
327410	Lime	1	0	1	0	0	0	0	0	0	0
327420	Gypsum	13	0	13	0	0	0	0	0	0	0
327993	Mineral Wool	2	*	2	0	*	0	0	0	0	0
331	Primary Metals	33	2	31	*	*	0	*	1	0	*
331110	Iron and Steel Mills and Ferroalloys	9	0	9	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	4	Q	3	*	*	0	*	*	0	0
3313	Alumina and Aluminum Production and Processing	6	*	6	0	0	0	0	*	0	0
331314	Secondary Smelting and Alloying of Aluminum	1	0	1	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	3	0	3	0	0	0	0	0	0	0

331318	Other Aluminum Rolling, Drawing and Extruding	2	*	2	0	0	0	0	*	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	10	1	10	0	0	0	0	1	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	8	0	8	0	0	0	0	0	0	0
3315	Foundries	3	*	3	*	0	0	0	*	0	*
331511	Iron Foundries	1	*	1	*	0	0	0	*	0	0
331523	Nonferrous Metal Die-Casting Foundries	1	0	1	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	0	0	0	0	0	0
332	Fabricated Metal Products	13	*	13	*	*	*	0	*	0	0
333	Machinery	4	*	4	*	0	0	0	0	0	0
334	Computer and Electronic Products	11	*	11	*	0	0	0	0	0	0
334413	Semiconductors and Related Devices	7	0	7	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	Q	0	Q	0	0	0	0	0	0	0
336	Transportation Equipment	10	1	9	*	1	0	0	*	0	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	1	0	1	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	8	1	7	*	1	0	0	*	0	0
336411	Aircraft	3	1	2	*	1	0	0	*	0	0
337	Furniture and Related Products	1	*	1	*	0	0	0	0	0	0
339	Miscellaneous	3	*	3	*	0	0	0	0	0	0
	Total	718	68	650	3	8	3	4	41	0	5

Economic characteristic^f

Value of shipments and receipts (million dollars)

Under 20	392	40	351	2	9	3	5	18	Q	2
20-49	427	15	412	1	6	2	2	4	*	2
50-99	674	24	650	1	7	3	2	10	0	2
100-249	1,003	56	946	4	13	8	9	16	*	7
250-499	953	57	896	2	24	8	3	8	0	8
500 and Over	3,378	213	3,166	15	20	4	29	83	3	49
Total	6,827	406	6,422	25	78	28	49	138	5	69

Employment size

Under 50	610	31	578	3	12	6	6	3	Q	2
50-99	718	20	698	3	6	1	4	4	*	2
100-249	1,448	68	1,379	3	16	8	6	26	*	8
250-499	1,443	91	1,352	3	22	10	2	35	0	18
500-999	1,227	116	1,111	12	9	4	3	41	0	36
1000 and Over	1,382	79	1,303	2	12	0	28	29	3	4
Total	6,827	406	6,422	25	78	28	49	138	5	69

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2022 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2022 Economic Census, Manufacturing – Industry Series*

Note: Totals may not equal sum of components because of independent rounding.

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

^b *Alternative energy sources* consist of those energy sources that could have been substituted for natural gas during 2022. The quantities are expressed in billions of cubic feet and therefore represent the quantity of natural gas that could have been displaced by the given alternative type of energy.

^c *Total consumed* represents those quantities (total inputs) of natural gas that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

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

^e Other includes all other types of energy that are not already identified that respondents indicated could have been consumed in place of natural gas.

^f Value of shipments and receipts and employment size categories were supplied by the Bureau of the Census.

* 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 10.2 Relative standard errors for table 10.2

Unit: Percentage

NAICS code ^a	Subsector and industry	Natural gas			Alternative energy sources ^b						
		Total consumed ^c	Switchable	Not switchable	Electricity receipts ^d	Distillate fuel oil	Residual fuel oil	Coal	HGL (excluding natural gasoline)	Coal coke and breeze	
											Other ^e
Total United States											
311	Food	3.5	10.2	3.7	53.6	14.6	19.5	0.0	24.5	X	17.7
3112	Grain and Oilseed Milling	4.1	21.7	4.2	40.9	2.6	65.8	0.0	0.0	X	0.0
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0	0.0	X	X	X	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	X	X	X	X	0.0	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	3.0	11.7	3.1	49.9	8.9	22.9	X	37.2	X	X
3115	Dairy Product Manufacturing	3.4	19.3	3.2	67.8	39.9	12.3	X	7.4	X	37.9
3116	Animal Slaughtering and Processing	5.0	9.6	5.5	29.4	12.5	62.8	X	18.4	X	20.5
312	Beverage and Tobacco Products	49.8	5.9	50.8	9.1	2.3	X	X	37.2	X	X
3121	Beverages	50.9	13.7	51.3	9.1	7.6	X	X	53.0	X	X
3122	Tobacco	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
313	Textile Mills	10.5	14.9	12.7	58.4	4.7	73.3	73.3	72.2	X	32.4
314	Textile Product Mills	13.5	36.8	14.4	X	41.4	57.6	X	58.4	X	X
315	Apparel	17.9	52.3	18.8	X	74.1	65.1	X	65.1	X	X
316	Leather and Allied Products	44.4	X	44.4	X	X	X	X	X	X	X
321	Wood Products	7.2	40.8	7.3	12.3	X	54.1	X	48.5	X	55.7
321113	Sawmills	7.5	4.7	7.6	1.8	X	X	X	73.0	X	4.9
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	2.0	5.3	2.0	8.9	X	X	X	X	X	0.0
321219	Reconstituted Wood Products	2.7	X	2.7	X	X	X	X	X	X	X
3219	Other Wood Products	26.1	78.4	26.7	43.4	X	54.1	X	48.8	X	93.9
322	Paper	1.4	4.1	1.5	1.0	16.9	0.0	0.0	0.0	0.0	2.4
322110	Pulp Mills	0.0	0.0	0.0	X	0.0	0.0	X	X	X	0.0
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
323	Printing and Related Support	13.8	45.7	14.0	91.8	X	X	X	51.2	X	X
324	Petroleum and Coal Products	0.2	1.0	0.3	21.9	17.0	16.1	X	0.9	X	0.4
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	X	0.0	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	4.1	14.9	4.4	35.7	17.6	22.1	X	31.6	X	7.5
324122	Asphalt Shingle and Coating Materials	0.6	0.0	0.6	0.0	0.0	X	X	0.0	X	0.0
324191	Petroleum Lubricating Oil and Grease Manufacturing	12.5	X	12.5	X	X	X	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	0.0	X	X	X	X	X	X	0.0
325	Chemicals	2.9	2.4	3.0	5.6	7.9	3.4	0.0	1.2	X	5.1
325110	Petrochemicals	0.0	0.0	0.0	0.0	X	0.0	X	X	X	0.0
325120	Industrial Gases	0.2	91.5	0.1	94.0	X	X	X	91.5	X	X
325180	Other Basic Inorganic Chemical Manufacturing	3.3	25.4	3.3	X	40.4	X	X	X	X	0.0
325193	Ethyl Alcohol	2.7	X	2.7	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	X	X	X	X	0.0	X	X

325199	All Other Basic Organic Chemical Manufacturing	3.9	4.0	4.4	0.0	34.1	9.9	0.0	0.0	X	27.2
325211	Plastics Materials and Resins	1.3	2.7	1.3	0.1	0.1	X	X	52.8	X	0.0
325212	Synthetic Rubber	0.1	0.0	0.1	0.0	0.0	0.0	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.1	0.0	0.2	X	0.0	0.0	X	0.0	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	X	X	0.0	X	X	X	X
3254	Pharmaceuticals and Medicines	14.1	3.6	16.0	37.9	4.9	0.0	0.0	0.0	X	X
325412	Pharmaceutical Preparation	24.8	5.2	28.6	60.2	13.9	0.0	0.0	0.0	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
326	Plastics and Rubber Products	16.0	51.3	16.3	59.3	0.0	75.3	98.9	59.4	X	X
327	Nonmetallic Mineral Products	4.9	6.3	5.3	1.8	0.2	99.0	11.2	11.3	73.8	9.3
327120	Clay Building Material and Refractories	3.9	17.5	3.1	9.7	X	X	X	0.8	X	30.7
327211	Flat Glass	0.1	0.0	0.1	X	X	X	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.5	0.9	0.5	0.0	X	X	X	22.3	X	X
327213	Glass Containers	0.1	X	0.1	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	1.7	0.9	1.7	7.6	0.0	X	X	X	X	0.0
327310	Cements	2.1	1.8	2.5	0.0	X	X	2.3	X	0.0	0.0
327410	Lime	0.0	0.0	0.0	X	X	X	0.0	X	0.0	X
327420	Gypsum	2.9	X	2.9	X	X	X	X	X	X	X
327993	Mineral Wool	16.9	0.0	17.1	0.0	0.0	X	X	0.0	X	X
331	Primary Metals	0.2	3.7	0.2	37.3	5.9	7.2	0.0	2.0	X	14.3
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	X	X	0.0	0.0	X	X
3312	Steel Products from Purchased Steel	3.6	69.3	2.2	38.5	66.3	8.2	0.0	50.2	X	X
3313	Alumina and Aluminum Production and Processing	0.1	0.0	0.1	X	X	X	X	0.0	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.1	0.0	0.1	X	X	X	X	0.0	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.7	0.0	0.7	X	X	X	X	0.0	X	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.2	6.5	1.1	40.8	5.3	X	X	0.0	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.4	0.0	0.4	X	X	X	X	0.0	X	X
3315	Foundries	1.3	7.7	1.4	43.6	X	0.0	X	4.8	X	15.7
331511	Iron Foundries	1.2	7.8	1.3	15.2	X	X	X	8.7	X	X
331523	Nonferrous Metal Die-Casting Foundries	3.1	19.2	3.2	71.9	X	X	X	11.0	X	X
331524	Aluminum Foundries, except Die-Casting	3.7	0.0	3.7	0.0	X	X	X	X	X	X
332	Fabricated Metal Products	29.7	37.6	29.8	51.9	99.5	99.5	X	65.6	X	X
333	Machinery	13.3	43.0	14.2	45.2	73.0	X	X	46.7	X	X
334	Computer and Electronic Products	8.8	8.8	9.8	81.3	7.0	X	X	0.2	X	X
334413	Semiconductors and Related Devices	5.9	0.1	7.0	48.6	0.0	X	X	0.2	X	X
335	Electrical Equip., Appliances, and Components	14.4	76.5	14.7	X	X	X	X	76.5	X	X
336	Transportation Equipment	6.7	13.0	7.0	8.9	0.0	66.8	X	2.2	X	15.9
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.5	0.0	0.5	0.0	X	X	X	X	X	0.0
3364	Aerospace Product and Parts	3.1	1.4	3.7	26.9	0.0	68.1	X	2.4	X	X
336411	Aircraft	4.3	0.0	5.4	0.0	0.0	X	X	0.0	X	X
337	Furniture and Related Products	15.9	42.7	16.6	63.6	94.7	99.0	99.0	47.3	99.0	91.5
339	Miscellaneous	20.5	66.5	20.8	88.6	X	X	X	X	X	X
	Total	2.2	1.8	2.4	6.4	5.9	7.6	3.5	2.8	32.1	3.0

Northeast Census Region											
311	Food	15.8	30.6	17.7	0.0	49.0	11.6	X	1.4	X	10.6

3112	Grain and Oilseed Milling	3.0	X	3.0	X	X	X	X	X	X	X	X
311221	Wet Corn Milling and Starch Manufacturing	X	X	X	X	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	9.4	2.6	12.6	0.0	0.0	3.4	X	X	X	X	X
3115	Dairy Product Manufacturing	4.7	14.4	4.9	X	0.0	23.9	X	0.0	X	19.6	
3116	Animal Slaughtering and Processing	5.2	5.7	6.5	X	0.0	62.8	X	X	X	0.0	
312	Beverage and Tobacco Products	20.4	13.4	21.3	0.0	X	X	X	95.0	X	X	
3121	Beverages	22.0	13.4	23.0	0.0	X	X	X	95.0	X	X	
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X	
313	Textile Mills	17.6	96.6	17.7	97.0	X	X	X	X	X	X	
314	Textile Product Mills	67.6	41.4	80.4	X	41.4	X	X	X	X	X	
315	Apparel	56.7	X	56.7	X	X	X	X	X	X	X	
316	Leather and Allied Products	12.6	X	12.6	X	X	X	X	X	X	X	
321	Wood Products	12.5	19.5	12.8	30.6	X	54.1	X	54.1	X	X	
321113	Sawmills	5.9	X	5.9	X	X	X	X	X	X	X	
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	19.9	0.0	20.4	0.0	X	X	X	X	X	X	
321219	Reconstituted Wood Products	20.7	X	20.7	X	X	X	X	X	X	X	
3219	Other Wood Products	11.9	50.5	12.1	50.5	X	54.1	X	54.1	X	X	
322	Paper	4.8	17.9	4.7	X	61.4	0.0	0.0	X	0.0	24.0	
322110	Pulp Mills	0.0	0.0	0.0	X	X	0.0	X	X	X	X	
322120	Paper Mills	0.0	0.0	0.0	X	0.0	0.0	X	X	0.0	0.0	
322130	Paperboard Mills	0.0	0.0	0.0	X	0.0	0.0	0.0	X	X	X	
323	Printing and Related Support	27.9	X	27.9	X	X	X	X	X	X	X	
324	Petroleum and Coal Products	3.3	3.6	3.6	0.0	8.3	8.6	X	0.0	X	X	
324110	Petroleum Refineries	0.0	0.0	0.0	X	X	0.0	X	0.0	X	X	
324121	Asphalt Paving Mixture and Block	13.8	12.0	15.6	X	8.3	27.1	X	X	X	X	
324122	Asphalt Shingle and Coating Materials	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X	
324191	Petroleum Lubricating Oil and Grease Manufacturing	4.1	X	4.1	X	X	X	X	X	X	X	
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X	
325	Chemicals	6.4	22.0	6.7	60.6	28.6	9.9	X	0.0	X	0.0	
325110	Petrochemicals	X	X	X	X	X	X	X	X	X	X	
325120	Industrial Gases	2.5	X	2.5	X	X	X	X	X	X	X	
325180	Other Basic Inorganic Chemical Manufacturing	17.9	0.0	19.4	X	X	X	X	X	X	0.0	
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X	
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X	
325199	All Other Basic Organic Chemical Manufacturing	4.6	40.6	1.2	X	42.9	9.9	X	X	X	X	
325211	Plastics Materials and Resins	3.8	0.0	4.0	X	X	X	X	0.0	X	X	
325212	Synthetic Rubber	12.9	X	12.9	X	X	X	X	X	X	X	
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X	
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	X	0.0	X	X	X	X	X	
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X	X	X	
3254	Pharmaceuticals and Medicines	12.8	16.6	13.8	71.0	11.3	X	X	0.0	X	X	
325412	Pharmaceutical Preparation	21.6	42.2	22.5	71.0	0.0	X	X	0.0	X	X	
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	X	0.0	X	X	X	X	X	
326	Plastics and Rubber Products	30.3	83.4	30.9	95.9	X	92.1	X	X	X	X	
327	Nonmetallic Mineral Products	4.0	0.1	4.6	5.3	X	X	0.0	0.1	X	X	
327120	Clay Building Material and Refractories	11.4	16.4	11.6	9.7	X	X	X	51.6	X	X	
327211	Flat Glass	0.0	0.0	0.0	X	X	X	X	0.0	X	X	

327212	Other Pressed and Blown Glass and Glassware	0.8	0.0	0.8	0.0	X	X	X	0.0	X	X
327213	Glass Containers	0.1	X	0.1	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	2.9	0.0	2.9	0.0	X	X	X	X	X	X
327310	Cements	0.0	0.0	0.0	0.0	X	X	X	X	X	X
327410	Lime	0.0	0.0	0.0	X	X	X	0.0	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	0.0	0.0	0.0	X	X	X	X	0.0	X	X
331	Primary Metals	0.5	1.7	0.6	16.0	0.0	7.2	X	9.9	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	5.1	5.8	5.2	32.1	X	8.2	X	39.1	X	X
3313	Alumina and Aluminum Production and Processing	0.0	X	0.0	X	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	X	0.0	X	X	X	X	X	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.8	0.0	1.9	0.0	0.0	X	X	0.0	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.5	X	0.5	X	X	X	X	X	X	X
3315	Foundries	2.6	18.8	2.7	18.8	X	0.0	X	0.0	X	X
331511	Iron Foundries	0.5	X	0.5	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	2.9	75.7	0.0	75.7	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	4.7	X	4.7	X	X	X	X	X	X	X
332	Fabricated Metal Products	44.7	72.3	44.7	72.3	X	X	X	X	X	X
333	Machinery	53.9	76.2	55.4	X	80.9	X	X	X	X	X
334	Computer and Electronic Products	8.8	11.7	10.6	48.6	11.7	X	X	X	X	X
334413	Semiconductors and Related Devices	1.2	0.3	1.7	48.6	0.0	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	25.4	0.0	26.7	X	X	X	X	0.0	X	X
336	Transportation Equipment	18.0	1.6	22.9	99.0	0.0	99.0	X	X	X	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	3.7	0.0	7.9	X	0.0	X	X	X	X	X
336411	Aircraft	0.0	0.0	0.0	X	0.0	X	X	X	X	X
337	Furniture and Related Products	33.0	X	33.0	X	X	X	X	X	X	X
339	Miscellaneous	41.6	99.0	41.5	X	X	X	X	X	X	X
	Total	4.5	8.9	4.8	25.0	19.4	14.9	0.0	0.7	0.0	14.4

Midwest Census Region

311	Food	6.3	15.9	6.8	60.4	16.2	49.9	0.0	34.7	X	45.1
3112	Grain and Oilseed Milling	5.1	26.4	5.3	0.0	4.0	65.8	0.0	X	X	0.0
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0	0.0	X	X	X	X	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	X	X	X	X	0.0	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	3.9	31.7	4.0	X	17.5	64.9	X	37.2	X	X
3115	Dairy Product Manufacturing	8.0	29.9	8.4	67.8	10.6	X	X	19.3	X	X
3116	Animal Slaughtering and Processing	8.7	23.6	9.3	35.0	43.9	X	X	21.9	X	47.4
312	Beverage and Tobacco Products	6.4	3.8	6.9	81.5	0.0	X	X	X	X	X
3121	Beverages	6.4	3.8	6.9	81.5	0.0	X	X	X	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	8.9	32.4	8.1	83.1	X	X	X	X	X	32.4
314	Textile Product Mills	43.6	X	43.6	X	X	X	X	X	X	X
315	Apparel	46.8	X	46.8	X	X	X	X	X	X	X
316	Leather and Allied Products	53.8	X	53.8	X	X	X	X	X	X	X

321	Wood Products	4.3	47.7	4.3	55.2	X	X	X	69.9	X	49.6
321113	Sawmills	17.7	2.2	17.8	0.0	X	X	X	73.0	X	0.0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.7	42.0	1.7	42.0	X	X	X	X	X	X
321219	Reconstituted Wood Products	1.2	X	1.2	X	X	X	X	X	X	X
3219	Other Wood Products	11.6	59.3	11.7	82.7	X	X	X	73.3	X	86.6
322	Paper	4.5	0.0	4.7	0.0	0.0	0.0	0.0	0.0	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	X
322120	Paper Mills	0.0	0.0	0.0	0.0	X	0.0	0.0	X	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0
323	Printing and Related Support	21.0	88.8	21.3	X	X	X	X	88.8	X	X
324	Petroleum and Coal Products	0.5	0.3	0.6	0.0	7.1	18.9	X	0.2	X	1.2
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	X	X	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	4.9	7.7	5.3	X	8.3	18.9	X	8.9	X	7.5
324122	Asphalt Shingle and Coating Materials	0.6	0.0	0.6	X	0.0	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	2.0	X	2.0	X	X	X	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	0.0	X	X	X	X	X	X	0.0
325	Chemicals	8.8	18.5	8.9	43.7	11.1	0.0	0.0	45.2	X	81.6
325110	Petrochemicals	X	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	15.0	91.5	0.5	94.0	X	X	X	91.5	X	X
325180	Other Basic Inorganic Chemical Manufacturing	18.9	0.0	18.9	X	0.0	X	X	X	X	X
325193	Ethyl Alcohol	2.9	X	2.9	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	3.6	54.7	2.9	X	68.4	X	X	X	X	80.2
325211	Plastics Materials and Resins	3.2	0.1	3.5	96.2	0.1	X	X	X	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	X	X	X	X	0.0	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	X	X	0.0	X	X	X	X
3254	Pharmaceuticals and Medicines	27.9	4.6	31.0	47.7	13.2	X	0.0	X	X	X
325412	Pharmaceutical Preparation	45.8	6.0	52.8	95.3	38.5	X	0.0	X	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	X	X	X	X	0.0	X	X
326	Plastics and Rubber Products	33.6	76.2	33.6	76.2	X	98.9	98.9	93.3	X	X
327	Nonmetallic Mineral Products	5.9	22.9	6.1	37.7	X	99.0	25.9	0.6	92.4	0.1
327120	Clay Building Material and Refractories	4.9	0.0	5.2	X	X	X	X	0.0	X	X
327211	Flat Glass	0.1	X	0.1	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	1.3	84.1	1.3	X	X	X	X	84.1	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	2.9	2.5	3.0	39.7	X	X	X	X	X	0.0
327310	Cements	0.1	0.0	0.1	X	X	X	0.0	X	0.0	0.0
327410	Lime	0.0	0.0	0.0	X	X	X	0.0	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	34.9	X	34.9	X	X	X	X	X	X	X
331	Primary Metals	0.2	1.3	0.2	51.0	45.7	X	0.0	4.7	X	15.9
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	X	X	X	0.0	X	X	X
3312	Steel Products from Purchased Steel	4.1	60.0	4.2	80.0	85.8	X	X	85.8	X	X
3313	Alumina and Aluminum Production and Processing	0.3	0.0	0.3	X	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X

331318	Other Aluminum Rolling, Drawing and Extruding	1.7	0.0	1.7	X	X	X	X	X	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	3.1	54.0	3.2	X	54.0	X	X	0.0	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	0.0	X	X	X	X	0.0	X	X
3315	Foundries	1.7	8.9	1.8	54.8	X	X	X	4.1	X	15.9
331511	Iron Foundries	1.7	8.6	1.8	20.4	X	X	X	9.4	X	X
331523	Nonferrous Metal Die-Casting Foundries	3.7	23.8	3.8	76.1	X	X	X	4.3	X	X
331524	Aluminum Foundries, except Die-Casting	3.9	X	3.9	X	X	X	X	X	X	X
332	Fabricated Metal Products	20.9	59.2	21.1	72.5	X	X	X	0.0	X	X
333	Machinery	17.3	46.7	18.8	54.9	99.0	X	X	46.7	X	X
334	Computer and Electronic Products	27.7	36.6	31.4	96.9	X	X	X	0.6	X	X
334413	Semiconductors and Related Devices	4.0	0.6	7.4	X	X	X	X	0.6	X	X
335	Electrical Equip., Appliances, and Components	28.8	96.8	30.1	X	X	X	X	96.8	X	X
336	Transportation Equipment	10.0	55.6	10.0	56.0	X	X	X	29.6	X	0.0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.1	0.0	0.1	X	X	X	X	X	X	0.0
3364	Aerospace Product and Parts	1.6	44.9	1.6	56.0	X	X	X	29.6	X	X
336411	Aircraft	3.8	X	3.8	X	X	X	X	X	X	X
337	Furniture and Related Products	24.5	55.6	26.0	65.6	99.0	X	X	X	X	X
339	Miscellaneous	31.9	97.5	32.4	98.7	X	X	X	X	X	X
	Total	3.3	5.1	3.5	29.5	7.6	17.0	7.2	8.3	92.4	20.1

South Census Region

311	Food	5.6	13.2	5.9	97.2	9.9	0.0	X	69.6	X	11.5
3112	Grain and Oilseed Milling	3.8	0.0	3.9	X	0.0	X	X	X	X	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	3.3	0.0	3.4	X	0.0	X	X	X	X	X
3115	Dairy Product Manufacturing	1.5	0.0	1.6	X	X	0.0	X	X	X	X
3116	Animal Slaughtering and Processing	7.6	12.6	8.3	97.2	13.5	X	X	29.6	X	10.0
312	Beverage and Tobacco Products	60.3	8.4	61.2	X	3.2	X	X	39.8	X	X
3121	Beverages	61.6	52.1	61.7	X	97.3	X	X	59.4	X	X
3122	Tobacco	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
313	Textile Mills	13.1	16.3	16.4	75.9	4.9	73.3	73.3	72.2	X	X
314	Textile Product Mills	15.2	41.7	15.9	X	X	57.6	X	58.4	X	X
315	Apparel	15.4	52.3	16.2	X	74.1	65.1	X	65.1	X	X
316	Leather and Allied Products	3.7	X	3.7	X	X	X	X	X	X	X
321	Wood Products	12.5	3.9	12.6	0.3	X	X	X	X	X	5.1
321113	Sawmills	6.6	4.8	6.7	1.9	X	X	X	X	X	5.1
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	0.7	0.0	0.7	0.0	X	X	X	X	X	X
321219	Reconstituted Wood Products	0.1	X	0.1	X	X	X	X	X	X	X
3219	Other Wood Products	51.3	X	51.3	X	X	X	X	X	X	X
322	Paper	1.7	0.3	2.0	1.3	0.0	0.0	0.0	X	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	X	0.0	0.0	X	X	X	0.0
322120	Paper Mills	0.0	0.0	0.0	0.0	X	X	0.0	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
323	Printing and Related Support	32.7	52.6	33.3	91.8	X	X	X	62.1	X	X
324	Petroleum and Coal Products	0.3	2.3	0.3	30.2	29.9	33.4	X	2.1	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	X	X	X	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	6.9	24.5	6.6	35.7	29.9	33.4	X	49.9	X	X

324122	Asphalt Shingle and Coating Materials	1.0	0.0	1.0	0.0	0.0	X	X	0.0	X	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	15.3	X	15.3	X	X	X	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	2.7	1.2	2.8	0.0	8.3	0.0	0.0	4.3	X	0.2
325110	Petrochemicals	0.0	0.0	0.0	0.0	X	0.0	X	X	X	0.0
325120	Industrial Gases	0.1	X	0.1	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	3.4	41.8	3.4	X	41.8	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	5.0	3.3	5.3	0.0	88.9	X	0.0	X	X	0.0
325211	Plastics Materials and Resins	1.4	3.9	1.4	0.0	0.0	X	X	91.6	X	0.0
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.1	0.0	0.2	X	0.0	0.0	X	0.0	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	2.8	0.0	3.5	X	0.0	0.0	X	0.0	X	X
325412	Pharmaceutical Preparation	2.7	0.0	3.2	X	0.0	0.0	X	0.0	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	X	X	X	X	0.0	X	X
326	Plastics and Rubber Products	24.0	38.5	25.0	99.0	0.0	98.4	X	69.1	X	X
327	Nonmetallic Mineral Products	3.5	9.4	3.8	1.1	0.3	X	0.6	27.5	0.0	11.2
327120	Clay Building Material and Refractories	5.5	20.1	4.2	X	X	X	X	0.0	X	30.7
327211	Flat Glass	0.1	0.0	0.2	X	X	X	X	0.0	X	X
327212	Other Pressed and Blown Glass and Glassware	0.2	0.9	0.2	0.0	X	X	X	26.5	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	3.3	0.9	3.4	54.7	0.0	X	X	X	X	X
327310	Cements	3.9	0.0	4.4	X	X	X	0.0	X	X	0.0
327410	Lime	0.0	0.0	0.0	X	X	X	0.0	X	0.0	X
327420	Gypsum	5.6	X	5.6	X	X	X	X	X	X	X
327993	Mineral Wool	0.0	0.0	0.0	0.0	X	X	X	X	X	X
331	Primary Metals	0.3	2.3	0.3	8.4	0.0	X	X	2.8	X	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	X	X	X	0.0	X	X
3312	Steel Products from Purchased Steel	3.4	0.0	3.4	0.0	X	X	X	X	X	X
3313	Alumina and Aluminum Production and Processing	0.2	0.0	0.2	X	X	X	X	0.0	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.3	0.0	0.3	X	X	X	X	0.0	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.8	0.0	0.9	X	X	X	X	X	X	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.6	0.4	1.7	42.7	0.0	X	X	0.0	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2.3	X	2.3	X	X	X	X	X	X	X
3315	Foundries	3.3	19.0	3.6	X	X	X	X	19.0	X	X
331511	Iron Foundries	2.6	X	2.6	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	6.8	28.8	7.3	X	X	X	X	28.8	X	X
331524	Aluminum Foundries, except Die-Casting	21.9	X	21.9	X	X	X	X	X	X	X
332	Fabricated Metal Products	55.4	72.6	55.5	77.6	X	X	X	99.5	X	X
333	Machinery	26.5	85.9	26.9	85.9	X	X	X	X	X	X
334	Computer and Electronic Products	13.6	0.0	15.9	X	0.0	X	X	0.0	X	X
334413	Semiconductors and Related Devices	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
335	Electrical Equip., Appliances, and Components	21.3	X	21.3	X	X	X	X	X	X	X
336	Transportation Equipment	14.5	31.3	15.1	1.0	0.0	68.1	X	0.0	X	57.4

336110	Automobile and Light Duty Motor Vehicle Manufacturing	1.2	0.0	1.3	0.0	X	X	X	X	X	X
3364	Aerospace Product and Parts	12.1	38.0	12.3	35.0	0.0	68.1	X	0.0	X	X
336411	Aircraft	1.0	X	1.0	X	X	X	X	X	X	X
337	Furniture and Related Products	29.2	53.1	30.4	99.0	99.0	99.0	99.0	47.3	99.0	91.5
339	Miscellaneous	35.6	90.8	36.0	90.8	X	X	X	X	X	X
	Total	3.7	1.4	3.9	2.0	4.0	9.6	0.3	4.0	1.1	0.9

West Census Region

311	Food	4.1	24.7	4.0	49.3	50.4	X	X	31.4	X	16.7
3112	Grain and Oilseed Milling	5.9	39.0	5.7	90.4	92.9	X	X	0.0	X	0.0
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0	X	X	X	X	0.0	X	0.0
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	5.7	35.8	5.8	52.4	48.0	X	X	X	X	X
3115	Dairy Product Manufacturing	6.8	39.9	4.2	X	71.4	X	X	0.0	X	44.8
3116	Animal Slaughtering and Processing	4.8	9.4	5.5	36.8	0.0	X	X	X	X	0.0
312	Beverage and Tobacco Products	22.3	61.5	22.4	61.5	43.2	X	X	X	X	X
3121	Beverages	22.3	61.5	22.4	61.5	43.2	X	X	X	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	5.9	19.6	5.2	X	19.6	X	X	X	X	X
314	Textile Product Mills	37.7	X	37.7	X	X	X	X	X	X	X
315	Apparel	49.5	X	49.5	X	X	X	X	X	X	X
316	Leather and Allied Products	70.7	X	70.7	X	X	X	X	X	X	X
321	Wood Products	10.7	76.5	10.8	24.9	X	X	X	X	X	85.3
321113	Sawmills	23.7	0.0	23.7	0.0	X	X	X	X	X	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	4.9	11.6	5.0	25.1	X	X	X	X	X	0.0
321219	Reconstituted Wood Products	0.0	X	0.0	X	X	X	X	X	X	X
3219	Other Wood Products	34.4	94.4	36.9	X	X	X	X	X	X	96.0
322	Paper	5.3	0.0	6.9	0.0	0.0	0.0	X	X	X	0.0
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322120	Paper Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
323	Printing and Related Support	41.3	X	41.3	X	X	X	X	X	X	X
324	Petroleum and Coal Products	0.1	0.6	0.1	X	51.6	43.7	X	0.5	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	X	X	X	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	5.1	39.5	5.2	X	51.6	43.7	X	57.6	X	X
324122	Asphalt Shingle and Coating Materials	2.2	0.0	2.3	X	X	X	X	X	X	0.0
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	0.0	X	X	X	X	X	X	0.0
325	Chemicals	1.6	0.0	2.2	0.0	0.0	X	X	0.0	X	X
325110	Petrochemicals	X	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	0.2	X	0.2	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	2.7	X	2.7	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	X	X	X	X	0.0	X	X
325199	All Other Basic Organic Chemical Manufacturing	0.7	0.0	3.5	X	X	X	X	0.0	X	X
325211	Plastics Materials and Resins	31.6	X	31.6	X	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X

325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	X	X	X	0.0	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	5.1	0.0	6.2	0.0	X	X	X	X	X	X
325412	Pharmaceutical Preparation	7.0	0.0	9.5	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
326	Plastics and Rubber Products	68.5	87.6	69.6	87.6	X	X	X	X	X	X
327	Nonmetallic Mineral Products	24.2	3.8	26.7	92.6	0.0	X	5.9	0.0	X	0.0
327120	Clay Building Material and Refractories	2.6	X	2.6	X	X	X	X	X	X	X
327211	Flat Glass	0.0	0.0	0.0	X	X	X	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.3	X	0.3	X	X	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	1.5	0.0	1.5	0.0	X	X	X	X	X	X
327310	Cements	2.2	5.8	0.1	0.0	X	X	5.9	X	X	0.0
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	0.4	X	0.4	X	X	X	X	X	X	X
327993	Mineral Wool	0.0	0.0	0.0	X	0.0	X	X	X	X	X
331	Primary Metals	2.8	41.0	0.4	0.0	0.0	X	0.0	0.1	X	58.8
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	20.7	84.7	2.7	0.0	0.0	X	0.0	0.0	X	X
3313	Alumina and Aluminum Production and Processing	0.5	0.0	0.5	X	X	X	X	0.0	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.4	0.0	1.5	X	X	X	X	0.0	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.8	14.1	0.6	X	X	X	X	0.0	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	X	0.1	X	X	X	X	X	X	X
3315	Foundries	2.5	4.2	2.5	0.0	X	X	X	1.8	X	58.8
331511	Iron Foundries	1.0	1.3	1.0	0.0	X	X	X	1.8	X	X
331523	Nonferrous Metal Die-Casting Foundries	7.0	X	7.0	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	1.9	0.0	2.0	0.0	X	X	X	X	X	X
332	Fabricated Metal Products	31.4	66.2	32.2	99.5	99.5	99.5	X	88.4	X	X
333	Machinery	40.8	99.0	41.0	99.0	X	X	X	X	X	X
334	Computer and Electronic Products	19.3	99.0	19.4	99.0	X	X	X	X	X	X
334413	Semiconductors and Related Devices	14.7	X	14.7	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	57.6	X	57.6	X	X	X	X	X	X	X
336	Transportation Equipment	6.3	4.5	7.0	33.6	0.0	X	X	0.0	X	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	3.4	X	3.4	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	5.8	4.5	6.5	33.6	0.0	X	X	0.0	X	X
336411	Aircraft	12.9	0.0	19.0	0.0	0.0	X	X	0.0	X	X
337	Furniture and Related Products	45.4	99.0	45.7	99.0	X	X	X	X	X	X
339	Miscellaneous	28.1	74.9	28.1	74.9	X	X	X	X	X	X
	Total	2.8	3.4	3.1	7.2	25.1	4.1	5.9	1.8	X	9.7

Economic characteristic^f

Value of shipments and receipts
(million dollars)

Under 20	7.6	10.3	8.4	21.3	36.3	9.9	35.1	2.8	98.7	13.3
20-49	16.1	9.5	16.7	24.9	19.4	30.7	1.4	19.7	0.0	29.5
50-99	15.7	10.9	16.3	42.3	32.0	11.4	2.0	15.0	X	16.5
100-249	4.5	6.0	4.8	37.8	5.7	21.9	3.0	8.4	0.0	29.4
250-499	2.2	5.8	2.3	0.4	8.5	11.2	0.0	28.9	X	0.0
500 and Over	1.9	1.3	2.1	2.5	4.1	0.0	0.0	2.8	0.0	0.2
Total	2.2	1.8	2.4	6.4	5.9	7.5	3.5	2.8	32.1	3.0
Employment size										
Under 50	5.2	13.8	5.4	15.3	27.9	17.9	29.0	24.0	98.7	10.2
50-99	6.7	9.2	6.9	46.3	10.2	11.6	0.0	18.5	0.0	32.0
100-249	9.5	4.4	9.9	9.1	14.5	7.0	4.0	5.6	0.0	4.7
250-499	2.1	4.8	2.3	11.5	8.6	18.2	1.9	8.4	X	10.5
500-999	1.3	0.6	1.4	1.4	3.7	0.5	0.0	0.9	X	0.2
1000 and Over	0.8	2.9	0.8	22.1	5.8	X	0.0	6.3	0.0	2.3
Total	2.2	1.8	2.4	6.4	5.9	7.5	3.5	2.8	32.1	3.0

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2022 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2022 Economic Census, Manufacturing – Industry Series*

Note: Totals may not equal sum of components because of independent rounding.

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

^b *Alternative energy sources* consist of those energy sources that could have been substituted for natural gas during 2022. The quantities are expressed in billions of cubic feet and therefore represent the quantity of natural gas that could have been displaced by the given alternative type of energy.

^c *Total consumed* represents those quantities (total inputs) of natural gas that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

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

^e *Other* includes all other types of energy that are not already identified that respondents indicated could have been consumed in place of natural gas.

^f *Value of shipments and receipts* and *employment size* categories were supplied by the Bureau of the Census.

* 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).