

Released: February 2021
 Next MECS will be fielded in 2022.

Table 4.1 Offsite-Produced Fuel Consumption, 2018;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Physical Units or Btu.

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	HGL (excluding natural gasoline)(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
Total United States										
311	Food	1,100	92,018	*	2	644	2	2	*	48
3112	Grain and Oilseed Milling	243	14,717	*	*	144	*	1	0	24
311221	Wet Corn Milling	110	6,035	0	*	59	*	1	0	18
31131	Sugar Manufacturing	70	1,179	*	*	32	*	1	*	2
3114	Fruit and Vegetable Preserving and Specialty Food	128	9,945	*	*	88	*	0	0	1
3115	Dairy Product	122	11,509	*	*	76	*	0	0	1
3116	Animal Slaughtering and Processing	276	31,674	*	1	144	*	0	0	14
312	Beverage and Tobacco Products	106	14,184	*	*	52	*	*	0	1
3121	Beverages	99	13,418	*	*	48	*	*	0	1
3122	Tobacco	7	766	*	*	4	*	0	0	*
313	Textile Mills	64	10,882	*	*	22	*	*	0	1
314	Textile Product Mills	22	2,842	0	*	11	*	*	0	*
315	Apparel	4	722	0	*	2	*	*	0	*
316	Leather and Allied Products	2	226	0	*	1	*	0	0	*
321	Wood Products	191	21,764	*	2	65	1	*	0	34
321113	Sawmills	65	8,180	*	1	17	*	0	0	14
3212	Veneer, Plywood, and Engineered Woods	68	6,817	*	*	30	*	*	0	12
321219	Reconstituted Wood Products	39	4,289	*	*	20	*	0	0	4
3219	Other Wood Products	50	6,313	*	Q	14	*	*	0	Q
322	Paper	1,069	55,961	1	1	551	1	3	0	237
322110	Pulp Mills	72	2,033	*	*	39	*	*	0	21
322121	Paper Mills, except Newsprint	403	17,898	1	*	216	*	2	0	74
322122	Newsprint Mills	25	4,946	0	*	5	*	0	0	3
322130	Paperboard Mills	452	18,401	*	*	227	*	1	0	136
323	Printing and Related Support	59	10,032	*	*	23	*	0	0	*
324	Petroleum and Coal Products	1,640	58,130	*	2	D	2	*	0	D
324110	Petroleum Refineries	1,510	53,819	*	*	D	1	0	0	D
324121	Asphalt Paving Mixture and Block	63	1,378	*	1	40	1	*	0	5
324122	Asphalt Shingle and Coating Materials	18	930	0	*	13	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	25	1,393	0	*	18	*	0	0	1
324199	Other Petroleum and Coal Products	25	610	0	*	8	*	0	0	14
325	Chemicals	3,456	160,480	*	1	D	2	5	*	D
325110	Petrochemicals	383	7,903	0	*	D	*	0	0	D
325120	Industrial Gases	158	23,068	0	*	D	*	0	0	D
325180	Other Basic Inorganic Chemicals	397	30,356	0	*	210	*	2	*	41
325193	Ethyl Alcohol	451	10,819	0	*	346	*	2	0	11
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	87	3,515	0	*	49	*	0	0	24
325199	Other Basic Organic Chemicals	666	21,178	*	*	386	*	1	0	161

325211	Plastics Materials and Resins	609	24,174	0	D	402	D	D	0	103
325212	Synthetic Rubber	35	1,417	0	*	19	*	*	0	9
325220	Artificial and Synthetic Fibers and Filaments	33	2,728	0	*	22	*	*	0	*
325311	Nitrogenous Fertilizers	232	5,137	0	*	205	*	0	0	1
325312	Phosphatic Fertilizers	D	2,085	*	D	24	*	D	0	*
3254	Pharmaceuticals and Medicines	114	10,447	0	*	60	*	*	0	15
325412	Pharmaceutical Preparation	66	6,115	0	*	29	*	*	0	14
325992	Photographic Film, Paper, Plate, and Chemicals	8	923	*	*	3	*	0	0	2
326	Plastics and Rubber Products	256	49,327	*	*	80	1	0	0	*
327	Nonmetallic Mineral Products	820	37,923	*	4	335	1	9	*	124
327120	Clay Building Material and Refractories	47	1,767	0	*	35	*	*	0	1
327211	Flat Glass	47	1,419	0	*	40	*	0	0	1
327212	Other Pressed and Blown Glass and Glassware	31	2,123	0	*	22	*	0	0	1
327213	Glass Containers	54	3,447	0	*	41	*	0	0	*
327215	Glass Products from Purchased Glass	21	3,670	0	*	8	*	0	0	*
327310	Cements	295	11,421	0	*	55	*	5	*	89
327410	Lime	106	1,398	0	*	18	*	3	*	17
327420	Gypsum	59	1,541	0	*	50	*	0	0	*
327993	Mineral Wool	33	3,110	0	*	21	*	*	*	*
331	Primary Metals	1,331	113,382	*	1	616	1	1	10	17
331110	Iron and Steel Mills and Ferroalloys	885	56,170	*	1	396	*	1	10	14
3312	Steel Products from Purchased Steel	51	6,914	0	*	24	*	*	*	1
3313	Alumina and Aluminum	207	26,260	0	*	112	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	21	780	0	*	17	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	73	5,377	0	*	52	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	24	1,917	0	*	17	*	0	0	*
3314	Nonferrous Metals, except Aluminum	95	13,272	0	*	40	*	0	*	2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	44	7,887	0	*	15	*	0	*	1
3315	Foundries	92	10,766	*	*	43	*	*	*	*
331511	Iron Foundries	40	5,196	0	*	12	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	22	2,078	*	*	14	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	9	788	0	*	6	*	0	0	*
332	Fabricated Metal Products	253	36,063	0	*	120	1	*	0	2
333	Machinery	146	23,569	*	*	57	1	*	0	1
334	Computer and Electronic Products	107	22,194	*	*	29	*	0	0	*
334413	Semiconductors and Related Devices	53	11,613	*	*	13	*	0	0	*
335	Electrical Equip., Appliances, and Components	77	11,037	*	*	35	*	0	0	Q
336	Transportation Equipment	345	50,462	*	1	151	1	0	*	7
336111	Automobiles	34	4,024	0	*	18	*	0	0	2
336112	Light Trucks and Utility Vehicles	41	4,233	0	*	24	*	0	0	1
3364	Aerospace Product and Parts	64	9,699	*	*	26	*	0	0	4
336411	Aircraft	17	2,721	0	*	6	*	0	0	2
337	Furniture and Related Products	33	4,669	0	*	15	*	*	0	Q
339	Miscellaneous	61	9,547	0	*	24	*	*	0	1
	Total	11,142	785,414	2	14	6,081	14	21	11	1,308

Northeast Census Region

311	Food	81	7,836	*	Q	47	*	0	0	*
3112	Grain and Oilseed Milling	4	497	0	*	2	*	0	0	0
311221	Wet Corn Milling	*	15	0	0	*	*	0	0	0
31131	Sugar Manufacturing	2	4	0	*	2	*	0	0	0

3114	Fruit and Vegetable Preserving and Specialty Food	12	787	*	*	8	*	0	0	*
3115	Dairy Product	17	1,467	*	*	11	*	0	0	*
3116	Animal Slaughtering and Processing	11	1,098	0	*	7	*	0	0	*
312	Beverage and Tobacco Products	13	1,674	*	*	7	*	0	0	*
3121	Beverages	12	1,647	*	*	6	*	0	0	*
3122	Tobacco	1	28	*	*	1	*	0	0	*
313	Textile Mills	6	571	0	*	4	*	0	0	*
314	Textile Product Mills	2	305	0	*	1	*	*	0	*
315	Apparel	1	151	0	0	1	*	*	0	0
316	Leather and Allied Products	1	49	0	*	*	*	0	0	0
321	Wood Products	20	1,488	*	*	5	*	*	0	Q
321113	Sawmills	5	381	*	*	*	*	0	0	3
3212	Veneer, Plywood, and Engineered Woods	3	269	*	*	2	*	*	0	*
321219	Reconstituted Wood Products	2	196	*	*	2	*	0	0	*
3219	Other Wood Products	11	816	*	*	3	*	*	0	Q
322	Paper	134	5,889	*	*	74	*	*	0	25
322110	Pulp Mills	D	D	*	*	4	*	0	0	5
322121	Paper Mills, except Newsprint	84	2,401	*	*	47	*	*	0	17
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	23	1,459	*	*	15	*	0	0	3
323	Printing and Related Support	9	1,582	*	*	3	*	0	0	*
324	Petroleum and Coal Products	67	2,611	*	*	41	*	0	0	13
324110	Petroleum Refineries	48	2,119	*	*	29	*	0	0	11
324121	Asphalt Paving Mixture and Block	14	281	*	*	8	*	0	0	2
324122	Asphalt Shingle and Coating Materials	2	90	0	*	1	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	1	45	0	*	*	*	0	0	*
324199	Other Petroleum and Coal Products	2	76	0	*	2	*	0	0	*
325	Chemicals	151	11,336	*	*	91	*	*	0	12
325110	Petrochemicals	*	17	0	*	*	*	0	0	*
325120	Industrial Gases	12	2,777	0	0	1	*	0	0	1
325180	Other Basic Inorganic Chemicals	13	1,619	0	*	6	*	0	0	2
325193	Ethyl Alcohol	7	170	0	*	7	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3	107	0	0	2	0	0	0	*
325199	Other Basic Organic Chemicals	37	1,502	*	*	24	*	*	0	2
325211	Plastics Materials and Resins	10	871	0	*	4	*	0	0	2
325212	Synthetic Rubber	*	18	0	*	*	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	35	0	*	*	*	0	0	*
325311	Nitrogenous Fertilizers	1	24	0	*	*	*	0	0	*
325312	Phosphatic Fertilizers	*	1	0	*	0	*	0	0	0
3254	Pharmaceuticals and Medicines	32	2,383	0	*	22	*	0	0	1
325412	Pharmaceutical Preparation	13	1,359	0	*	8	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	4	415	*	*	1	*	0	0	2
326	Plastics and Rubber Products	28	4,749	0	*	10	*	0	0	*
327	Nonmetallic Mineral Products	81	3,885	0	1	50	*	*	0	7
327120	Clay Building Material and Refractories	6	212	0	*	3	*	*	0	*
327211	Flat Glass	4	123	0	0	4	*	0	0	0
327212	Other Pressed and Blown Glass and Glassware	5	416	0	*	4	*	0	0	*
327213	Glass Containers	7	461	0	*	6	*	0	0	*
327215	Glass Products from Purchased Glass	3	285	0	*	2	*	0	0	*
327310	Cements	24	810	0	*	15	*	*	0	4
327410	Lime	5	69	0	*	3	0	*	0	*

327420	Gypsum	6	138	0	*	6	*	0	0	0
327993	Mineral Wool	3	129	0	*	2	*	0	0	0
331	Primary Metals	114	10,936	0	*	70	*	*	*	2
331110	Iron and Steel Mills and Ferroalloys	69	6,325	0	*	43	*	*	*	2
3312	Steel Products from Purchased Steel	4	480	0	*	2	*	*	*	*
3313	Alumina and Aluminum	20	1,547	0	*	14	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	24	0	*	*	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	9	579	0	*	6	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	5	281	0	*	4	*	0	0	*
3314	Nonferrous Metals, except Aluminum	14	1,571	0	*	7	*	0	*	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1	123	0	0	*	*	0	0	0
3315	Foundries	8	1,012	0	*	4	*	*	*	*
331511	Iron Foundries	3	464	0	*	1	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	1	93	0	0	1	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	82	0	*	*	*	0	0	*
332	Fabricated Metal Products	46	6,078	0	*	23	*	0	0	*
333	Machinery	14	2,222	*	*	5	*	*	0	*
334	Computer and Electronic Products	23	4,346	*	*	8	*	0	0	*
334413	Semiconductors and Related Devices	6	1,026	*	*	2	*	0	0	*
335	Electrical Equip., Appliances, and Components	12	1,524	0	*	6	*	0	0	*
336	Transportation Equipment	34	Q	*	*	16	*	0	0	*
336111	Automobiles	*	1	0	0	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	1	0	0	*	0	0	0	0
3364	Aerospace Product and Parts	9	843	*	*	6	*	0	0	*
336411	Aircraft	1	169	0	*	1	*	0	0	*
337	Furniture and Related Products	5	577	0	*	2	*	0	0	*
339	Miscellaneous	17	2,148	0	*	8	*	0	0	*
	Total	859	74,652	1	3	471	2	1	*	67

Midwest Census Region

	Food	483	33,123	*	*	293	*	2	*	20
3112	Grain and Oilseed Milling	188	10,528	*	*	112	*	1	0	17
311221	Wet Corn Milling	99	5,585	0	*	55	*	*	0	13
31131	Sugar Manufacturing	35	608	*	*	8	*	1	*	*
3114	Fruit and Vegetable Preserving and Specialty Food	32	3,656	0	*	19	*	0	0	*
3115	Dairy Product	47	4,353	*	*	30	*	0	0	1
3116	Animal Slaughtering and Processing	88	7,588	*	*	59	*	0	0	1
312	Beverage and Tobacco Products	17	1,480	*	*	12	*	0	0	*
3121	Beverages	17	1,479	*	*	12	*	0	0	*
3122	Tobacco	*	1	0	0	*	0	0	0	0
313	Textile Mills	2	301	0	*	1	*	0	0	*
314	Textile Product Mills	1	143	0	0	*	0	0	0	0
315	Apparel	*	70	0	0	*	0	0	0	0
316	Leather and Allied Products	1	107	0	*	1	*	0	0	*
321	Wood Products	27	2,991	*	Q	10	*	0	0	Q
321113	Sawmills	3	448	*	*	1	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	8	771	0	*	4	*	0	0	Q
321219	Reconstituted Wood Products	5	519	0	*	3	*	0	0	*
3219	Other Wood Products	15	1,731	0	Q	5	*	0	0	*
322	Paper	199	13,312	*	*	106	*	1	0	29
322110	Pulp Mills	D	D	0	*	1	*	0	0	*

322121	Paper Mills, except Newsprint	100	5,030	*	*	52	*	1	0	16
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	51	2,785	*	*	27	*	*	0	12
323	Printing and Related Support	26	3,786	0	*	12	*	0	0	*
324	Petroleum and Coal Products	212	10,942	*	*	131	*	0	0	35
324110	Petroleum Refineries	184	9,908	0	*	113	*	0	0	32
324121	Asphalt Paving Mixture and Block	13	257	*	*	10	*	0	0	*
324122	Asphalt Shingle and Coating Materials	5	275	0	*	4	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	3	194	0	*	2	*	0	0	*
324199	Other Petroleum and Coal Products	6	307	0	*	2	*	0	0	2
325	Chemicals	791	38,630	0	*	539	D	D	0	52
325110	Petrochemicals	*	3	0	*	*	*	0	0	0
325120	Industrial Gases	23	6,549	0	0	*	*	0	0	0
325180	Other Basic Inorganic Chemicals	39	3,809	0	*	21	*	0	0	5
325193	Ethyl Alcohol	415	9,808	0	*	315	*	2	0	10
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	7	287	0	*	2	*	0	0	3
325199	Other Basic Organic Chemicals	70	4,011	0	*	39	*	*	0	15
325211	Plastics Materials and Resins	48	3,123	0	*	31	*	D	0	D
325212	Synthetic Rubber	2	178	0	*	1	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	1	74	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	52	1,776	0	*	44	*	0	0	1
325312	Phosphatic Fertilizers	*	8	0	*	*	*	0	0	0
3254	Pharmaceuticals and Medicines	35	3,304	0	*	20	*	*	0	2
325412	Pharmaceutical Preparation	24	2,130	0	*	14	*	*	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	*	52	0	*	*	*	0	0	*
326	Plastics and Rubber Products	110	21,718	0	*	34	*	0	0	*
327	Nonmetallic Mineral Products	237	11,435	0	1	86	*	3	*	44
327120	Clay Building Material and Refractories	9	285	0	*	7	*	*	0	*
327211	Flat Glass	16	462	0	*	14	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	10	496	0	*	8	*	0	0	*
327213	Glass Containers	15	945	0	*	11	*	0	0	*
327215	Glass Products from Purchased Glass	8	1,721	0	*	2	*	0	0	*
327310	Cements	76	3,096	0	*	6	*	1	*	29
327410	Lime	46	467	0	*	9	*	1	*	7
327420	Gypsum	10	264	0	*	9	*	0	0	*
327993	Mineral Wool	13	1,292	0	*	8	*	0	*	*
331	Primary Metals	760	41,892	*	D	322	*	D	10	11
331110	Iron and Steel Mills and Ferroalloys	594	20,330	*	D	244	*	D	10	10
3312	Steel Products from Purchased Steel	21	2,294	0	*	13	*	0	0	*
3313	Alumina and Aluminum	59	8,608	0	*	28	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	9	300	0	*	8	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	19	1,564	0	*	13	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	8	698	0	*	5	*	0	0	*
3314	Nonferrous Metals, except Aluminum	28	4,097	0	*	11	*	0	*	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12	2,472	0	*	3	*	0	*	*
3315	Foundries	58	6,563	*	*	26	*	*	*	*
331511	Iron Foundries	27	3,252	0	*	8	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	14	1,348	*	*	9	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	5	458	0	*	3	*	0	0	*
332	Fabricated Metal Products	124	18,463	0	*	56	*	0	0	*
333	Machinery	73	9,712	0	*	34	1	0	0	*

334	Computer and Electronic Products	14	3,186	0	*	3	*	0	0	*
334413	Semiconductors and Related Devices	5	1,167	0	*	1	*	0	0	*
335	Electrical Equip., Appliances, and Components	27	3,786	*	*	12	*	0	0	*
336	Transportation Equipment	182	24,876	0	D	87	D	0	*	5
336111	Automobiles	21	2,024	0	*	12	*	0	0	1
336112	Light Trucks and Utility Vehicles	25	2,259	0	*	16	*	0	0	1
3364	Aerospace Product and Parts	18	2,405	0	*	7	*	0	0	2
336411	Aircraft	4	528	0	*	2	*	0	0	*
337	Furniture and Related Products	15	1,813	0	*	8	*	0	0	*
339	Miscellaneous	22	3,343	0	*	9	*	*	0	1
	Total	3,322	245,110	*	4	1,756	4	9	10	200

South Census Region

311	Food	268	23,422	*	*	156	1	*	0	21
3112	Grain and Oilseed Milling	42	2,835	*	*	24	*	*	0	7
311221	Wet Corn Milling	9	358	0	*	2	*	*	0	5
31131	Sugar Manufacturing	12	302	*	*	10	*	*	0	*
3114	Fruit and Vegetable Preserving and Specialty Food	23	1,906	0	*	16	*	0	0	*
3115	Dairy Product	19	2,365	0	*	10	*	0	0	*
3116	Animal Slaughtering and Processing	110	9,704	0	*	58	*	0	0	13
312	Beverage and Tobacco Products	52	7,630	*	*	23	*	*	0	1
3121	Beverages	46	6,894	0	*	20	*	*	0	1
3122	Tobacco	6	736	*	*	4	*	0	0	*
313	Textile Mills	53	9,776	*	*	16	*	*	0	1
314	Textile Product Mills	17	2,231	0	*	9	*	0	0	*
315	Apparel	3	451	0	*	1	*	0	0	*
316	Leather and Allied Products	*	53	0	0	*	*	0	0	*
321	Wood Products	100	12,784	0	1	38	*	0	0	11
321113	Sawmills	40	5,723	0	*	13	*	0	0	4
3212	Veneer, Plywood, and Engineered Woods	38	4,001	0	*	18	*	0	0	5
321219	Reconstituted Wood Products	26	2,734	0	*	12	*	0	0	3
3219	Other Wood Products	18	2,772	0	*	6	*	0	0	1
322	Paper	629	26,930	1	1	319	*	2	0	165
322110	Pulp Mills	58	1,417	*	*	34	*	*	0	14
322121	Paper Mills, except Newsprint	176	7,808	*	*	90	*	1	0	35
322122	Newsprint Mills	14	2,032	0	*	4	*	0	0	3
322130	Paperboard Mills	338	11,130	*	*	168	*	1	0	110
323	Printing and Related Support	21	3,883	0	*	7	*	0	0	*
324	Petroleum and Coal Products	993	34,099	*	1	D	*	*	0	D
324110	Petroleum Refineries	930	31,765	0	*	D	*	0	0	D
324121	Asphalt Paving Mixture and Block	22	561	*	1	14	*	*	0	1
324122	Asphalt Shingle and Coating Materials	8	440	0	*	6	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	21	1,135	0	*	15	*	0	0	1
324199	Other Petroleum and Coal Products	12	198	0	*	3	*	0	0	8
325	Chemicals	D	98,324	*	1	D	D	D	*	D
325110	Petrochemicals	383	7,883	0	*	D	*	0	0	D
325120	Industrial Gases	D	9,750	0	*	D	*	0	0	D
325180	Other Basic Inorganic Chemicals	280	21,617	0	*	166	*	0	*	31
325193	Ethyl Alcohol	15	429	0	*	13	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	75	3,104	0	*	43	*	0	0	20
325199	Other Basic Organic Chemicals	552	14,926	*	*	319	*	1	0	143

325211	Plastics Materials and Resins	549	19,888	0	D	366	D	D	0	D
325212	Synthetic Rubber	32	1,209	0	*	17	*	*	0	9
325220	Artificial and Synthetic Fibers and Filaments	32	2,610	0	*	22	*	*	0	*
325311	Nitrogenous Fertilizers	172	2,877	0	*	156	*	0	0	*
325312	Phosphatic Fertilizers	D	1,620	*	D	D	*	D	0	*
3254	Pharmaceuticals and Medicines	38	3,367	0	*	13	*	0	0	13
325412	Pharmaceutical Preparation	25	1,892	0	*	6	*	0	0	12
325992	Photographic Film, Paper, Plate, and Chemicals	2	283	0	*	1	*	0	0	*
326	Plastics and Rubber Products	102	19,490	*	*	31	*	0	0	*
327	Nonmetallic Mineral Products	342	16,429	*	1	151	*	4	*	46
327120	Clay Building Material and Refractories	29	1,192	0	*	23	*	0	0	1
327211	Flat Glass	21	667	0	*	17	*	0	0	1
327212	Other Pressed and Blown Glass and Glassware	15	1,132	0	*	10	*	0	0	1
327213	Glass Containers	19	1,159	0	*	15	*	0	0	*
327215	Glass Products from Purchased Glass	8	1,351	0	*	3	*	0	0	*
327310	Cements	132	5,251	0	*	26	*	2	*	36
327410	Lime	40	676	0	*	5	*	1	*	6
327420	Gypsum	31	890	0	*	27	*	0	0	*
327993	Mineral Wool	13	1,170	0	*	8	*	*	*	*
331	Primary Metals	372	48,571	0	D	183	*	D	*	4
331110	Iron and Steel Mills and Ferroalloys	194	26,176	0	D	94	*	D	*	2
3312	Steel Products from Purchased Steel	25	3,953	0	*	9	*	0	*	*
3313	Alumina and Aluminum	104	11,518	0	*	62	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	10	225	0	*	8	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	40	2,789	0	*	29	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	9	691	0	*	6	*	0	0	*
3314	Nonferrous Metals, except Aluminum	30	4,521	0	*	10	*	0	*	1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	13	3,001	0	*	1	*	0	0	1
3315	Foundries	19	2,404	0	*	9	*	0	*	*
331511	Iron Foundries	8	1,348	0	*	2	*	0	*	*
331523	Nonferrous Metal Die-Casting Foundries	5	436	0	*	4	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	2	155	0	*	1	*	0	0	*
332	Fabricated Metal Products	57	7,388	0	*	29	*	*	0	*
333	Machinery	51	10,417	0	*	14	*	0	0	*
334	Computer and Electronic Products	31	6,895	0	*	7	*	0	0	*
334413	Semiconductors and Related Devices	18	4,022	0	*	4	*	0	0	*
335	Electrical Equip., Appliances, and Components	32	4,330	0	*	14	*	0	0	Q
336	Transportation Equipment	104	16,687	*	D	39	D	0	0	2
336111	Automobiles	12	1,749	0	*	5	*	0	0	*
336112	Light Trucks and Utility Vehicles	16	1,970	0	*	9	*	0	0	*
3364	Aerospace Product and Parts	17	3,424	0	*	4	*	0	0	1
336411	Aircraft	7	1,344	0	*	1	*	0	0	1
337	Furniture and Related Products	11	1,764	0	*	4	*	*	0	Q
339	Miscellaneous	17	3,052	0	*	6	*	0	0	*
	Total	D	354,606	1	5	D	5	7	*	899

West Census Region

311	Food	269	27,637	0	1	149	1	*	*	6
3112	Grain and Oilseed Milling	10	857	0	*	6	*	0	0	*
311221	Wet Corn Milling	2	76	0	*	2	*	0	0	*
31131	Sugar Manufacturing	21	265	0	*	13	*	*	*	2

3114	Fruit and Vegetable Preserving and Specialty Food	61	3,596	0	*	46	*	0	0	1
3115	Dairy Product	39	3,324	0	*	25	*	0	0	1
3116	Animal Slaughtering and Processing	Q	Q	0	*	20	*	0	0	*
312	Beverage and Tobacco Products	24	3,400	0	*	11	*	0	0	*
3121	Beverages	24	3,398	0	*	11	*	0	0	*
3122	Tobacco	*	2	0	0	0	0	0	0	0
313	Textile Mills	2	234	0	0	1	*	0	0	*
314	Textile Product Mills	Q	163	0	0	Q	*	0	0	0
315	Apparel	*	50	0	0	*	*	0	0	0
316	Leather and Allied Products	*	17	0	0	*	*	0	0	*
321	Wood Products	44	4,501	0	*	12	*	0	0	13
321113	Sawmills	18	1,628	0	*	3	*	0	0	8
3212	Veneer, Plywood, and Engineered Woods	19	1,776	0	*	7	*	0	0	6
321219	Reconstituted Wood Products	6	840	0	*	3	*	0	0	*
3219	Other Wood Products	6	993	0	*	2	*	0	0	*
322	Paper	108	9,830	*	*	52	*	0	0	18
322110	Pulp Mills	2	88	*	0	0	0	0	0	1
322121	Paper Mills, except Newsprint	43	2,658	0	*	27	*	0	0	6
322122	Newsprint Mills	11	2,915	0	*	1	*	0	0	*
322130	Paperboard Mills	40	3,028	*	*	17	*	0	0	11
323	Printing and Related Support	4	782	0	*	1	*	0	0	*
324	Petroleum and Coal Products	369	10,478	*	*	246	1	0	0	70
324110	Petroleum Refineries	347	10,026	*	*	235	1	0	0	63
324121	Asphalt Paving Mixture and Block	14	280	*	*	8	*	0	0	2
324122	Asphalt Shingle and Coating Materials	3	124	0	*	2	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	1	19	0	0	1	*	0	0	0
324199	Other Petroleum and Coal Products	5	30	0	*	*	*	0	0	4
325	Chemicals	D	12,190	0	*	D	*	2	0	5
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	D	3,991	0	0	D	*	0	0	0
325180	Other Basic Inorganic Chemicals	65	3,310	0	*	17	*	2	0	Q
325193	Ethyl Alcohol	14	412	0	*	11	*	0	0	1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	2	16	0	*	2	*	0	0	*
325199	Other Basic Organic Chemicals	7	738	0	*	4	*	0	0	1
325211	Plastics Materials and Resins	2	292	0	*	1	*	0	0	*
325212	Synthetic Rubber	*	12	0	0	*	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	9	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	6	459	0	*	5	*	0	0	*
325312	Phosphatic Fertilizers	D	456	0	*	D	*	0	0	*
3254	Pharmaceuticals and Medicines	9	1,393	0	*	4	*	0	0	*
325412	Pharmaceutical Preparation	5	734	0	*	2	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	2	173	0	*	1	*	0	0	*
326	Plastics and Rubber Products	17	3,370	0	*	Q	*	0	0	*
327	Nonmetallic Mineral Products	160	6,173	0	1	48	*	3	*	28
327120	Clay Building Material and Refractories	2	78	0	*	2	*	0	0	*
327211	Flat Glass	6	167	0	*	5	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	1	78	0	*	1	*	0	0	*
327213	Glass Containers	12	882	0	*	9	*	0	0	*
327215	Glass Products from Purchased Glass	2	313	0	*	*	*	0	0	*
327310	Cements	64	2,265	0	*	9	*	1	*	21
327410	Lime	14	185	0	*	*	*	*	*	3

327420	Gypsum	11	250	0	*	9	*	0	0	*
327993	Mineral Wool	4	519	0	*	2	*	0	0	*
331	Primary Metals	85	11,983	0	*	41	*	0	*	*
331110	Iron and Steel Mills and Ferroalloys	28	3,338	0	*	16	*	0	0	*
3312	Steel Products from Purchased Steel	1	187	0	*	*	*	0	0	*
3313	Alumina and Aluminum	24	4,587	0	*	8	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	2	230	0	*	1	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	5	445	0	*	4	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	3	247	0	*	2	*	0	0	*
3314	Nonferrous Metals, except Aluminum	23	3,083	0	*	12	*	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	19	2,292	0	*	10	*	0	0	*
3315	Foundries	8	787	0	*	4	*	0	*	*
331511	Iron Foundries	2	132	0	*	1	*	0	*	*
331523	Nonferrous Metal Die-Casting Foundries	2	200	0	*	1	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	93	0	*	1	*	0	0	*
332	Fabricated Metal Products	27	4,135	0	*	11	*	0	0	Q
333	Machinery	8	1,217	0	*	3	*	0	0	*
334	Computer and Electronic Products	38	7,767	0	*	11	*	0	0	*
334413	Semiconductors and Related Devices	25	5,397	0	*	6	*	0	0	*
335	Electrical Equip., Appliances, and Components	7	1,397	0	*	Q	*	0	0	*
336	Transportation Equipment	25	4,205	0	*	9	*	0	0	1
336111	Automobiles	1	250	0	*	*	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	3	0	0	*	*	0	0	0
3364	Aerospace Product and Parts	19	3,027	0	*	8	*	0	0	1
336411	Aircraft	5	680	0	*	2	*	0	0	1
337	Furniture and Related Products	3	514	0	0	1	*	0	0	*
339	Miscellaneous	5	1,004	0	*	1	*	0	0	*
	Total	D	111,046	1	3	D	3	4	*	143

- (a) The Bureau of the Census classifies establishments using the 2017 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 percent.
NA=Not available.
- 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 as a result 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*.
- Sources: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*, and Office of Energy Production, Conversion & Delivery, Form EIA-810, *Monthly Refinery Report* for 2018.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).

Released: February 2021
 Next MECS will be fielded in 2022.

RSE Table 4.1 Relative Standard Errors for Table 4.1;

Unit: Percents.

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	5.2	11.4	2.2	29.3	4.5	18.4	0.0	0.0	13.1
3112	Grain and Oilseed Milling	2.4	1.9	15.8	15.6	3.6	15.0	0.0	X	3.6
311221	Wet Corn Milling	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	3.2	6.1	0.0	6.9	3.3	5.8	X	X	2.6
3115	Dairy Product	2.2	3.3	28.5	32.4	2.3	12.9	X	X	18.1
3116	Animal Slaughtering and Processing	14.9	31.0	0.0	13.8	6.2	22.0	X	X	38.1
312	Beverage and Tobacco Products	8.5	15.5	0.0	29.3	8.5	11.3	0.0	X	5.2
3121	Beverages	9.1	16.4	0.0	31.3	9.3	12.9	0.0	X	5.2
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
313	Textile Mills	6.4	6.1	78.4	21.0	12.7	25.7	16.2	X	3.9
314	Textile Product Mills	9.7	7.9	X	28.1	13.5	29.1	0.0	X	76.5
315	Apparel	10.1	11.3	X	51.8	14.3	42.3	99.4	X	98.2
316	Leather and Allied Products	7.7	5.1	X	4.0	11.6	31.1	X	X	21.5
321	Wood Products	5.4	2.9	3.5	31.5	10.2	5.6	63.3	X	12.2
321113	Sawmills	12.6	6.2	3.6	3.6	36.2	8.6	X	X	2.2
3212	Veneer, Plywood, and Engineered Woods	2.0	1.2	0.0	3.2	1.2	3.1	80.4	X	10.1
321219	Reconstituted Wood Products	1.1	1.5	0.0	2.7	0.9	5.9	X	X	0.1
3219	Other Wood Products	12.3	5.8	85.9	65.7	14.7	14.7	75.3	X	61.0
322	Paper	0.7	1.2	0.0	0.7	1.0	11.1	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
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint 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	7.7	7.8	50.9	43.0	10.0	21.4	X	X	59.2
324	Petroleum and Coal Products	0.3	0.5	10.0	11.4	D	15.4	19.9	X	D
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	D	0.0	X	X	D
324121	Asphalt Paving Mixture and Block	5.4	8.7	30.1	15.2	3.9	36.8	19.9	X	20.4
324122	Asphalt Shingle and Coating Materials	1.1	1.7	X	0.9	1.1	2.6	X	X	0.1
324191	Petroleum Lubricating Oil and Grease Products	16.7	18.4	X	60.7	17.4	19.5	X	X	0.2
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	1.4	1.4	0.0	2.5	D	13.9	0.4	0.0	D
325110	Petrochemicals	0.0	0.0	X	0.0	D	0.0	X	X	D
325120	Industrial Gases	2.0	3.5	X	0.0	D	70.3	X	X	D
325180	Other Basic Inorganic Chemicals	2.9	2.0	X	3.2	4.0	9.2	0.0	0.0	5.6
325193	Ethyl Alcohol	1.2	1.9	X	2.8	1.5	8.6	0.0	X	2.0
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	Other Basic Organic Chemicals	4.6	5.2	0.0	9.2	6.0	8.3	1.6	X	9.5

325211	Plastics Materials and Resins	1.5	2.4	X	D	1.1	D	D	X	6.2
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	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325311	Nitrogenous Fertilizers	3.9	12.5	X	2.7	3.2	86.5	X	X	1.8
325312	Phosphatic Fertilizers	D	0.0	0.0	D	0.0	0.0	D	X	0.0
3254	Pharmaceuticals and Medicines	6.0	2.9	X	2.6	5.2	25.5	0.0	X	36.4
325412	Pharmaceutical Preparation	9.7	1.7	X	2.9	9.6	30.1	0.0	X	40.2
325992	Photographic Film, Paper, Plate, and Chemicals	0.2	0.3	0.0	0.1	0.4	1.5	X	X	0.0
326	Plastics and Rubber Products	7.8	7.7	72.4	64.9	14.3	17.3	X	X	35.2
327	Nonmetallic Mineral Products	2.9	2.5	97.3	16.7	1.7	27.5	7.5	18.7	2.7
327120	Clay Building Material and Refractories	2.0	3.6	X	2.2	2.1	5.5	0.0	X	24.9
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.6	0.6	X	0.7	0.7	27.7	X	X	0.1
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	1.0	1.4	X	26.8	1.1	1.9	X	X	0.2
327310	Cements	0.4	0.4	X	0.3	1.2	1.1	0.3	11.3	0.1
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	1.0	2.0	X	47.3	0.5	1.4	X	X	0.0
327993	Mineral Wool	0.7	0.4	X	0.1	1.0	6.3	0.0	0.0	0.1
331	Primary Metals	0.4	1.1	0.3	0.9	0.2	2.2	0.1	0.3	1.3
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	9.7	17.6	X	11.1	3.9	15.4	0.0	0.0	41.2
3313	Alumina and Aluminum	0.2	0.1	X	0.7	0.4	1.0	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	2.1	1.5	X	2.8	2.3	1.1	X	X	2.8
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	0.6	1.2	X	0.3	0.4	2.3	X	X	0.8
3314	Nonferrous Metals, except Aluminum	1.0	0.9	X	5.2	1.3	1.9	X	11.1	1.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.8	0.6	X	0.2	1.3	3.1	X	0.0	0.1
3315	Foundries	0.9	0.9	89.7	1.6	0.9	1.8	0.9	4.2	1.9
331511	Iron Foundries	1.7	1.5	X	0.8	2.0	4.5	0.0	4.2	4.4
331523	Nonferrous Metal Die-Casting Foundries	1.3	1.2	89.7	5.6	1.6	1.4	X	X	0.5
331524	Aluminum Foundries, except Die-Casting	1.0	1.1	X	1.6	1.3	2.9	X	X	3.3
332	Fabricated Metal Products	11.4	10.0	X	69.1	16.1	18.3	70.3	X	47.4
333	Machinery	12.0	17.2	99.0	29.7	13.0	28.0	99.0	X	47.9
334	Computer and Electronic Products	6.0	6.8	0.0	57.2	10.4	48.0	X	X	35.1
334413	Semiconductors and Related Devices	3.3	3.3	0.0	1.2	3.6	13.2	X	X	6.0
335	Electrical Equip., Appliances, and Components	10.7	8.8	47.2	23.6	15.1	24.5	X	X	51.4
336	Transportation Equipment	7.9	9.2	10.2	26.4	8.5	13.5	X	30.3	6.9
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	3.0	4.2	0.0	3.9	2.8	18.5	X	X	0.9
336411	Aircraft	5.6	10.0	X	8.0	1.6	52.7	X	X	0.1
337	Furniture and Related Products	9.3	8.6	X	60.4	12.4	24.6	75.8	X	58.2
339	Miscellaneous	12.2	11.2	X	59.8	17.6	45.0	99.0	X	6.7
	Total	0.8	1.8	2.5	8.3	0.9	4.8	3.3	0.5	1.6

Northeast Census Region

311	Food	10.2	11.7	0.0	88.2	9.9	15.0	X	X	10.4
3112	Grain and Oilseed Milling	2.3	5.2	X	71.1	0.9	0.0	X	X	X

311221	Wet Corn Milling	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	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	10.5	6.5	0.0	16.0	13.6	14.9	X	X	8.9
3115	Dairy Product	5.2	4.7	0.0	14.6	6.6	10.2	X	X	24.6
3116	Animal Slaughtering and Processing	2.5	2.9	X	2.3	2.2	35.1	X	X	0.3
312	Beverage and Tobacco Products	5.0	7.1	0.0	50.3	4.3	29.5	X	X	0.0
3121	Beverages	5.3	7.2	0.0	50.9	4.8	29.7	X	X	0.0
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
313	Textile Mills	8.6	6.3	X	59.3	13.1	3.7	X	X	83.5
314	Textile Product Mills	30.8	32.3	X	62.8	41.4	54.9	0.0	X	84.7
315	Apparel	27.8	30.5	X	X	36.6	68.3	99.4	X	X
316	Leather and Allied Products	11.0	8.7	X	2.4	15.1	9.1	X	X	X
321	Wood Products	20.7	8.5	1.1	18.6	16.6	3.1	63.3	X	50.7
321113	Sawmills	1.0	1.9	0.0	4.0	9.7	7.1	X	X	0.5
3212	Veneer, Plywood, and Engineered Woods	1.0	1.4	0.0	7.1	1.2	9.3	80.4	X	5.8
321219	Reconstituted Wood Products	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
3219	Other Wood Products	39.2	15.4	85.9	44.2	30.2	29.1	75.3	X	85.2
322	Paper	3.4	6.7	0.0	8.1	4.5	30.1	0.0	X	0.1
322110	Pulp Mills	D	D	0.0	0.0	0.0	0.0	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	X	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
323	Printing and Related Support	21.1	21.9	50.9	53.9	28.9	61.4	X	X	98.9
324	Petroleum and Coal Products	1.3	0.6	3.5	16.2	1.2	2.4	X	X	3.9
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	6.0	5.9	3.7	17.0	5.7	5.0	X	X	25.4
324122	Asphalt Shingle and Coating Materials	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
324191	Petroleum Lubricating Oil and Grease Products	1.2	3.8	X	25.5	1.6	4.3	X	X	0.0
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	8.9	4.4	0.0	3.0	13.0	18.3	0.0	X	8.9
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	9.0	11.4	X	X	5.8	85.5	X	X	21.6
325180	Other Basic Inorganic Chemicals	8.8	1.8	X	5.1	17.8	16.7	X	X	4.3
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	X	0.0	X	X	X	0.0
325199	Other Basic Organic Chemicals	0.4	0.7	0.0	0.0	0.5	19.5	0.0	X	0.0
325211	Plastics Materials and Resins	1.3	1.8	X	55.5	2.4	8.1	X	X	0.0
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	0.0	0.0	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	X	0.0	X	X	X
3254	Pharmaceuticals and Medicines	1.3	2.8	X	3.6	1.2	46.2	X	X	0.0
325412	Pharmaceutical Preparation	2.3	4.0	X	3.8	1.7	50.1	X	X	0.0
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
326	Plastics and Rubber Products	31.0	32.1	X	87.7	46.5	63.8	X	X	81.4
327	Nonmetallic Mineral Products	5.7	14.7	X	47.5	3.1	30.3	0.0	X	33.3
327120	Clay Building Material and Refractories	3.5	4.1	X	0.1	5.9	8.2	0.0	X	0.1
327211	Flat Glass	0.0	0.0	X	X	0.0	0.0	X	X	X
327212	Other Pressed and Blown Glass and Glassware	1.5	1.6	X	2.7	1.8	65.7	X	X	0.0

327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	0.7	1.3	X	53.7	0.7	2.9	X	X	0.1
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	0.0
327420	Gypsum	0.0	0.0	X	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	X
331	Primary Metals	0.3	0.6	X	0.4	0.3	5.8	0.0	1.3	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	3.5	7.9	X	6.6	2.5	38.9	0.0	0.0	0.5
3313	Alumina and Aluminum	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	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	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 Metals, except Aluminum	1.7	2.9	X	0.0	2.2	12.4	X	0.0	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	X	0.0	0.0	X	X	X
3315	Foundries	1.8	2.1	X	6.2	1.9	2.8	0.0	49.2	40.6
331511	Iron Foundries	1.4	1.1	X	2.1	1.4	1.2	0.0	49.2	66.1
331523	Nonferrous Metal Die-Casting Foundries	5.9	12.4	X	X	3.2	1.2	X	X	0.0
331524	Aluminum Foundries, except Die-Casting	1.7	3.1	X	19.0	1.2	6.6	X	X	5.6
332	Fabricated Metal Products	34.2	27.0	X	59.5	46.8	60.9	X	X	61.7
333	Machinery	19.7	21.2	99.0	54.9	25.3	38.8	99.0	X	60.6
334	Computer and Electronic Products	13.1	12.3	0.0	67.0	18.8	51.8	X	X	47.0
334413	Semiconductors and Related Devices	2.0	2.2	0.0	0.6	2.3	0.0	X	X	0.0
335	Electrical Equip., Appliances, and Components	29.5	25.1	X	42.8	38.2	41.9	X	X	51.2
336	Transportation Equipment	37.0	53.8	60.3	22.6	23.8	12.4	X	X	8.9
336111	Automobiles	0.0	0.0	X	X	0.0	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	X	0.0	X	X	X	X
3364	Aerospace Product and Parts	1.9	5.3	0.0	0.1	1.1	2.3	X	X	0.0
336411	Aircraft	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
337	Furniture and Related Products	26.2	25.0	X	98.9	37.0	53.4	X	X	73.3
339	Miscellaneous	35.7	37.0	X	67.3	41.5	56.4	X	X	93.8
	Total	3.4	5.1	5.3	29.1	4.0	8.8	0.3	1.3	7.0

Midwest Census Region

311	Food	4.8	4.2	5.7	16.5	6.6	30.7	0.0	0.0	10.3
3112	Grain and Oilseed Milling	3.0	1.9	48.4	18.3	4.5	22.0	0.0	X	0.6
311221	Wet Corn Milling	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	9.7	15.6	X	15.4	9.7	7.4	X	X	0.7
3115	Dairy Product	3.5	4.5	67.2	20.5	4.0	50.2	X	X	1.7
3116	Animal Slaughtering and Processing	6.5	3.5	0.0	28.7	8.9	16.6	X	X	0.2
312	Beverage and Tobacco Products	5.3	4.7	0.0	6.2	6.3	26.7	X	X	24.5
3121	Beverages	5.3	4.7	0.0	6.2	6.3	26.7	X	X	24.5
3122	Tobacco	0.0	0.0	X	X	0.0	X	X	X	X
313	Textile Mills	10.0	12.7	X	94.8	13.1	33.0	X	X	1.4
314	Textile Product Mills	46.2	41.4	X	X	57.4	X	X	X	X
315	Apparel	41.5	40.9	X	X	61.2	X	X	X	X
316	Leather and Allied Products	12.6	7.8	X	28.3	17.2	48.1	X	X	23.1
321	Wood Products	14.5	6.9	86.3	84.6	6.2	18.5	X	X	59.7

321113	Sawmills	6.1	9.7	86.3	6.0	4.7	20.8	X	X	22.7
3212	Veneer, Plywood, and Engineered Woods	14.9	1.1	X	2.1	2.2	10.5	X	X	79.2
321219	Reconstituted Wood Products	0.5	0.8	X	0.0	0.5	7.2	X	X	0.1
3219	Other Wood Products	24.4	11.6	X	95.8	12.3	25.6	X	X	22.7
322	Paper	3.0	4.7	0.0	0.2	3.9	21.7	0.0	X	0.1
322110	Pulp Mills	D	D	X	0.0	0.0	0.0	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	X	X	X	X	X	X	X	X	X
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	12.7	12.5	X	18.7	14.7	35.9	X	X	49.7
324	Petroleum and Coal Products	0.2	0.1	0.0	3.5	0.3	5.0	X	X	0.1
324110	Petroleum Refineries	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	3.0	2.6	0.0	4.2	3.8	30.3	X	X	52.3
324122	Asphalt Shingle and Coating Materials	1.3	3.4	X	0.0	1.3	1.8	X	X	0.0
324191	Petroleum Lubricating Oil and Grease Products	3.3	3.6	X	0.2	3.8	9.3	X	X	76.5
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	3.9	2.5	X	4.4	4.9	D	D	X	16.7
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	X
325120	Industrial Gases	3.2	3.2	X	X	3.5	25.8	X	X	X
325180	Other Basic Inorganic Chemicals	1.2	0.7	X	7.0	1.9	4.6	X	X	2.6
325193	Ethyl Alcohol	1.4	2.1	X	2.9	1.6	14.6	0.0	X	2.1
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	Other Basic Organic Chemicals	13.2	5.5	X	10.0	20.6	10.6	87.5	X	0.2
325211	Plastics Materials and Resins	4.4	2.3	X	10.9	6.1	8.1	D	X	D
325212	Synthetic Rubber	0.0	0.0	X	0.0	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	0.1	0.1	X	2.5	0.1	39.4	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	X
3254	Pharmaceuticals and Medicines	10.6	8.4	X	13.7	15.0	37.8	0.0	X	0.1
325412	Pharmaceutical Preparation	12.5	1.9	X	16.5	20.1	40.1	0.0	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
326	Plastics and Rubber Products	13.6	12.8	X	59.1	24.1	25.8	X	X	62.3
327	Nonmetallic Mineral Products	1.9	4.0	X	38.4	2.6	33.0	0.0	0.0	1.8
327120	Clay Building Material and Refractories	2.9	3.6	X	5.0	3.4	13.8	0.0	X	10.7
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.9	0.9	X	0.8	1.0	8.6	X	X	0.0
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	2.1	2.6	X	0.5	3.2	8.5	X	X	0.0
327310	Cements	0.1	0.1	X	0.1	0.1	0.0	0.0	0.0	0.1
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.3	2.2	X	0.0	0.2	1.5	X	X	0.0
327993	Mineral Wool	0.5	0.7	X	0.0	0.5	3.2	X	0.0	0.0
331	Primary Metals	0.1	0.2	0.3	D	0.2	2.1	D	0.2	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	D	0.0	0.0	D	0.0	0.0
3312	Steel Products from Purchased Steel	2.6	1.8	X	5.3	3.7	17.8	X	X	2.4
3313	Alumina and Aluminum	0.5	0.2	X	1.1	0.8	3.8	X	X	0.4
331314	Secondary Smelting and Alloying of Aluminum	2.6	3.3	X	2.6	2.7	6.8	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	1.7	2.5	X	0.4	1.2	4.6	X	X	1.2

3314	Nonferrous Metals, except Aluminum	1.6	0.9	X	13.0	3.1	0.6	X	0.0	2.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0
3315	Foundries	1.3	1.3	89.7	1.4	1.4	2.2	3.4	5.2	1.7
331511	Iron Foundries	2.4	2.2	X	1.3	3.1	5.6	0.0	5.2	3.7
331523	Nonferrous Metal Die-Casting Foundries	2.0	1.5	89.7	7.0	2.4	2.5	X	X	0.6
331524	Aluminum Foundries, except Die-Casting	1.4	1.5	X	0.0	1.8	0.8	X	X	0.0
332	Fabricated Metal Products	15.7	15.6	X	80.2	21.5	21.5	X	X	56.0
333	Machinery	14.2	13.8	X	35.2	17.9	41.3	X	X	63.3
334	Computer and Electronic Products	15.3	16.0	X	17.8	23.4	87.3	X	X	3.7
334413	Semiconductors and Related Devices	11.7	11.6	X	6.6	12.2	53.0	X	X	0.0
335	Electrical Equip., Appliances, and Components	26.2	21.7	47.2	44.6	35.2	33.4	X	X	78.5
336	Transportation Equipment	13.0	15.5	X	D	13.1	D	X	30.3	10.0
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	2.0	2.5	X	0.0	2.5	47.6	X	X	0.3
336411	Aircraft	1.6	1.6	X	0.0	1.3	81.1	X	X	0.0
337	Furniture and Related Products	14.7	15.5	X	88.7	16.5	31.9	X	X	47.3
339	Miscellaneous	15.2	15.4	X	30.7	20.0	72.8	99.0	X	0.1
	Total	1.6	2.5	0.6	20.3	2.2	9.0	0.3	0.2	4.6

South Census Region

311	Food	5.6	5.7	1.4	14.7	6.3	17.7	0.0	X	26.0
3112	Grain and Oilseed Milling	2.7	6.1	16.7	1.6	1.9	35.1	0.0	X	11.9
311221	Wet Corn Milling	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	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	4.4	5.4	X	3.7	4.9	17.6	X	X	1.1
3115	Dairy Product	9.0	12.5	X	53.5	7.2	0.4	X	X	61.4
3116	Animal Slaughtering and Processing	6.0	4.2	X	18.4	4.8	28.7	X	X	40.5
312	Beverage and Tobacco Products	17.0	28.4	0.0	5.4	18.8	10.0	0.0	X	1.9
3121	Beverages	19.3	31.5	X	6.9	22.1	17.1	0.0	X	1.9
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
313	Textile Mills	7.6	6.7	78.4	6.2	17.2	50.3	16.2	X	4.2
314	Textile Product Mills	11.5	9.4	X	31.5	15.6	34.0	X	X	87.8
315	Apparel	12.5	15.6	X	51.8	11.7	45.1	X	X	98.2
316	Leather and Allied Products	9.8	12.6	X	X	4.8	45.9	X	X	0.0
321	Wood Products	8.8	4.6	X	8.2	17.1	15.5	X	X	5.9
321113	Sawmills	20.8	8.8	X	6.9	46.5	19.3	X	X	8.8
3212	Veneer, Plywood, and Engineered Woods	1.3	1.7	X	3.4	1.4	3.3	X	X	2.2
321219	Reconstituted Wood Products	1.6	2.3	X	5.1	1.5	9.3	X	X	0.1
3219	Other Wood Products	16.1	11.0	X	27.2	34.5	27.8	X	X	40.8
322	Paper	0.9	2.4	0.0	0.1	1.2	14.2	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
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint 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	15.3	16.0	X	46.1	19.7	28.0	X	X	88.0
324	Petroleum and Coal Products	0.5	0.8	20.3	25.8	D	21.2	19.9	X	D
324110	Petroleum Refineries	0.0	0.0	X	0.0	D	0.0	X	X	D
324121	Asphalt Paving Mixture and Block	13.6	20.4	20.3	34.2	9.7	34.5	19.9	X	3.7

324122	Asphalt Shingle and Coating Materials	2.3	2.8	X	1.2	2.3	7.7	X	X	11.6
324191	Petroleum Lubricating Oil and Grease Products	20.1	22.5	X	72.2	20.9	22.3	X	X	0.1
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	D	2.0	0.0	3.3	D	D	D	0.0	D
325110	Petrochemicals	0.0	0.0	X	0.0	D	0.0	X	X	D
325120	Industrial Gases	D	7.1	X	0.0	D	66.4	X	X	D
325180	Other Basic Inorganic Chemicals	4.1	2.8	X	5.2	5.0	10.6	X	0.0	4.8
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	Other Basic Organic Chemicals	5.3	7.3	0.0	10.6	6.8	10.2	0.0	X	10.6
325211	Plastics Materials and Resins	1.6	2.9	X	D	1.1	D	D	X	D
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	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325311	Nitrogenous Fertilizers	5.2	22.3	X	5.7	4.1	52.1	X	X	44.2
325312	Phosphatic Fertilizers	D	0.0	0.0	D	D	0.0	D	X	0.0
3254	Pharmaceuticals and Medicines	15.0	2.0	X	0.7	2.0	1.4	X	X	44.6
325412	Pharmaceutical Preparation	22.9	2.5	X	1.0	3.6	2.0	X	X	45.6
325992	Photographic Film, Paper, Plate, and Chemicals	0.9	0.9	X	7.0	1.4	1.6	X	X	0.0
326	Plastics and Rubber Products	14.5	15.0	72.4	72.4	21.8	22.7	X	X	41.5
327	Nonmetallic Mineral Products	1.4	2.7	97.3	20.9	2.1	28.6	0.3	7.6	2.2
327120	Clay Building Material and Refractories	2.9	5.3	X	3.1	3.0	7.2	X	X	27.4
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.9	0.6	X	0.0	1.2	33.2	X	X	0.1
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	1.2	1.8	X	35.2	0.9	1.7	X	X	0.1
327310	Cements	0.8	0.7	X	0.0	2.6	0.0	0.4	12.3	0.0
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	1.0	3.3	X	1.7	0.9	2.2	X	X	0.0
327993	Mineral Wool	0.3	0.7	X	0.1	0.2	12.5	0.0	0.0	0.1
331	Primary Metals	1.3	2.5	X	D	0.5	6.8	D	9.7	5.4
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	D	0.0	0.0	D	0.0	0.0
3312	Steel Products from Purchased Steel	20.1	30.7	X	20.0	9.2	42.7	X	0.0	47.7
3313	Alumina and Aluminum	0.4	0.1	X	1.3	0.6	0.9	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	3.9	2.5	X	6.3	4.2	1.0	X	X	3.7
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	0.5	1.4	X	1.3	0.4	2.7	X	X	0.0
3314	Nonferrous Metals, except Aluminum	2.2	1.6	X	0.0	2.4	9.0	X	19.5	1.4
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	0.9	1.4	X	3.4	0.8	4.2	X	0.0	3.9
331511	Iron Foundries	1.6	2.3	X	1.5	1.5	7.6	X	0.0	0.0
331523	Nonferrous Metal Die-Casting Foundries	1.4	1.3	X	0.0	1.6	1.9	X	X	0.2
331524	Aluminum Foundries, except Die-Casting	0.7	2.2	X	0.0	0.1	20.9	X	X	0.0
332	Fabricated Metal Products	26.3	21.4	X	46.7	35.9	31.0	70.3	X	76.1
333	Machinery	28.6	37.4	X	75.6	29.2	41.2	X	X	69.3
334	Computer and Electronic Products	16.7	19.2	X	2.0	33.3	40.2	X	X	44.5
334413	Semiconductors and Related Devices	2.3	2.9	X	0.0	0.0	0.0	X	X	71.1
335	Electrical Equip., Appliances, and Components	14.0	13.7	X	36.9	16.9	28.3	X	X	58.8
336	Transportation Equipment	10.5	9.4	3.5	D	15.7	D	X	X	6.7
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0

336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	10.7	11.4	X	26.2	15.4	15.8	X	X	3.4
336411	Aircraft	13.3	19.9	X	0.0	5.4	26.1	X	X	0.0
337	Furniture and Related Products	20.1	17.0	X	42.9	30.3	24.7	75.8	X	76.7
339	Miscellaneous	20.8	18.2	X	56.7	33.7	67.6	X	X	68.3
	Total	D	1.9	1.2	7.0	D	6.7	0.2	5.8	2.1

West Census Region

311	Food	18.8	37.2	X	28.1	13.4	44.8	0.0	0.0	36.3
3112	Grain and Oilseed Milling	4.6	7.6	X	0.0	6.1	43.1	X	X	7.3
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
31131	Sugar Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	3.6	5.0	X	17.5	3.9	7.4	X	X	4.1
3115	Dairy Product	2.6	3.0	X	35.2	2.8	27.1	X	X	41.4
3116	Animal Slaughtering and Processing	60.5	73.8	X	11.2	32.7	59.3	X	X	82.5
312	Beverage and Tobacco Products	6.3	10.6	X	25.4	5.6	20.7	X	X	35.5
3121	Beverages	6.3	10.6	X	25.4	5.6	20.7	X	X	35.5
3122	Tobacco	0.0	0.0	X	X	X	X	X	X	X
313	Textile Mills	9.8	15.7	X	X	12.5	73.6	X	X	0.0
314	Textile Product Mills	50.3	42.1	X	X	57.0	92.2	X	X	X
315	Apparel	23.3	26.1	X	X	31.1	32.2	X	X	X
316	Leather and Allied Products	9.6	7.6	X	X	21.7	33.4	X	X	0.0
321	Wood Products	2.3	3.6	X	3.5	4.4	10.8	X	X	0.7
321113	Sawmills	0.9	2.7	X	1.5	1.4	18.5	X	X	0.2
3212	Veneer, Plywood, and Engineered Woods	1.6	2.5	X	6.7	3.2	6.1	X	X	1.1
321219	Reconstituted Wood Products	0.5	1.0	X	0.0	0.1	7.7	X	X	0.1
3219	Other Wood Products	14.6	15.0	X	27.4	20.8	25.2	X	X	58.3
322	Paper	2.0	3.1	0.0	4.4	2.5	26.4	X	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	X	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
322122	Newsprint 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	X	X	0.0
323	Printing and Related Support	23.3	23.8	X	99.0	31.9	44.5	X	X	91.1
324	Petroleum and Coal Products	0.4	0.3	11.9	2.7	0.1	25.0	X	X	1.2
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	10.6	10.4	58.9	10.6	4.4	56.5	X	X	37.8
324122	Asphalt Shingle and Coating Materials	0.9	3.1	X	19.9	0.5	1.5	X	X	3.4
324191	Petroleum Lubricating Oil and Grease Products	0.0	0.0	X	X	0.0	0.0	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	D	5.1	X	1.4	D	51.7	0.0	X	34.4
325110	Petrochemicals	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	D	4.7	X	X	D	95.1	X	X	X
325180	Other Basic Inorganic Chemicals	3.2	1.3	X	2.2	2.1	12.3	0.0	X	57.4
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	Other Basic Organic Chemicals	3.6	4.2	X	4.3	4.0	14.2	X	X	0.1
325211	Plastics Materials and Resins	1.6	0.8	X	15.9	2.9	4.7	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	14.0	8.6	X	7.9	14.5	88.6	X	X	0.0
325312	Phosphatic Fertilizers	D	0.0	X	0.0	D	0.0	X	X	0.0
3254	Pharmaceuticals and Medicines	6.4	6.5	X	15.0	7.0	41.8	X	X	96.2
325412	Pharmaceutical Preparation	9.2	8.3	X	17.9	11.9	46.1	X	X	50.5
325992	Photographic Film, Paper, Plate, and Chemicals	0.1	0.1	X	0.0	0.1	0.0	X	X	0.0
326	Plastics and Rubber Products	32.1	32.6	X	99.0	62.0	40.8	X	X	96.5
327	Nonmetallic Mineral Products	14.1	9.0	X	32.0	8.8	65.5	27.1	59.9	7.8
327120	Clay Building Material and Refractories	1.3	2.0	X	3.0	1.3	3.9	X	X	53.9
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	2.7	11.1	X	84.4	2.1	12.0	X	X	8.7
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	2.4	1.8	X	0.0	6.0	3.7	X	X	18.3
327310	Cements	0.4	0.8	X	1.7	0.1	23.8	0.7	30.1	0.1
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	4.6	2.5	X	78.4	0.1	0.1	X	X	0.0
327993	Mineral Wool	5.3	1.3	X	0.0	8.3	4.1	X	X	0.0
331	Primary Metals	0.6	0.6	X	3.7	0.8	3.6	X	0.0	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3312	Steel Products from Purchased Steel	6.6	7.8	X	1.9	16.0	1.5	X	X	15.8
3313	Alumina and Aluminum	0.3	0.2	X	0.0	0.4	3.6	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	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	2.5	4.4	X	0.0	1.7	5.6	X	X	0.0
3314	Nonferrous Metals, except Aluminum	2.1	2.1	X	21.9	2.5	4.6	X	X	0.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1.9	1.9	X	0.9	1.9	23.5	X	X	0.3
3315	Foundries	1.4	1.8	X	5.3	1.6	11.8	X	0.0	0.0
331511	Iron Foundries	0.7	0.5	X	0.0	0.3	49.5	X	0.0	0.0
331523	Nonferrous Metal Die-Casting Foundries	3.1	1.3	X	0.0	4.1	9.8	X	X	0.0
331524	Aluminum Foundries, except Die-Casting	5.0	2.5	X	64.2	6.7	0.4	X	X	0.0
332	Fabricated Metal Products	29.8	27.5	X	70.3	37.4	43.2	X	X	84.2
333	Machinery	27.3	24.0	X	73.8	43.3	50.8	X	X	97.0
334	Computer and Electronic Products	7.5	6.7	X	10.4	12.2	68.8	X	X	14.7
334413	Semiconductors and Related Devices	6.4	6.3	X	5.2	7.1	5.3	X	X	0.0
335	Electrical Equip., Appliances, and Components	29.1	22.5	X	96.8	53.3	80.5	X	X	94.0
336	Transportation Equipment	7.4	11.0	X	1.4	5.4	37.6	X	X	0.2
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	X	0.0	0.0	X	X	X
3364	Aerospace Product and Parts	1.7	2.3	X	1.8	1.8	6.9	X	X	0.2
336411	Aircraft	4.1	6.7	X	14.1	2.7	12.1	X	X	0.1
337	Furniture and Related Products	28.4	26.7	X	X	44.0	52.5	X	X	99.0
339	Miscellaneous	22.7	23.6	X	74.5	32.6	48.6	X	X	93.5
	Total	D	9.4	7.6	15.4	D	15.3	15.8	42.9	2.7

(a) The Bureau of the Census classifies establishments using the 2017 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

(1) *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 percent.

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

NA=Not available.

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 as a result 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*.

Sources: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*, and Office of Energy Production, Conversion & Delivery, Form EIA-810, *Monthly Refinery Report* for 2018.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).