

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

Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2018;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
Total United States				
311	Food	127	105	23
3112	Grain and Oilseed Milling	23	*	22
311221	Wet Corn Milling	22	0	22
31131	Sugar Manufacturing	36	36	0
3114	Fruit and Vegetable Preserving and Specialty Food	41	40	*
3115	Dairy Product	18	18	0
3116	Animal Slaughtering and Processing	Q	Q	0
312	Beverage and Tobacco Products	3	3	0
3121	Beverages	3	3	0
3122	Tobacco	*	*	0
313	Textile Mills	12	Q	Q
314	Textile Product Mills	Q	Q	0
315	Apparel	*	*	0
316	Leather and Allied Products	0	0	0
321	Wood Products	1,077	1,071	6
321113	Sawmills	969	963	6
3212	Veneer, Plywood, and Engineered Woods	108	108	0
321219	Reconstituted Wood Products	0	0	0
3219	Other Wood Products	1	1	0
322	Paper	5,372	4,497	875
322110	Pulp Mills	523	519	4
322121	Paper Mills, except Newsprint	2,678	1,874	804
322122	Newsprint Mills	0	0	0
322130	Paperboard Mills	2,113	2,053	60
323	Printing and Related Support	Q	Q	0
324	Petroleum and Coal Products	6,114	3,536	2,578
324110	Petroleum Refineries	5,340	3,134	2,206
324121	Asphalt Paving Mixture and Block	*	*	0
324122	Asphalt Shingle and Coating Materials	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	53	53	0
324199	Other Petroleum and Coal Products	720	348	372
325	Chemicals	13,664	5,605	8,059
325110	Petrochemicals	958	484	474
325120	Industrial Gases	1,456	1	1,456
325180	Other Basic Inorganic Chemicals	636	344	292
325193	Ethyl Alcohol	98	98	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	375	8	366
325199	Other Basic Organic Chemicals	2,208	1,322	886
325211	Plastics Materials and Resins	7,293	2,930	4,363
325212	Synthetic Rubber	32	21	11
325220	Artificial and Synthetic Fibers and Filaments	34	34	0
325311	Nitrogenous Fertilizers	6	4	2
325312	Phosphatic Fertilizers	206	206	0
3254	Pharmaceuticals and Medicines	16	16	0
325412	Pharmaceutical Preparation	2	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	3	0	3
326	Plastics and Rubber Products	Q	Q	0
327	Nonmetallic Mineral Products	47	47	0
327120	Clay Building Material and Refractories	0	0	0

327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	Q	Q	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	3	3	0
327310	Cements	0	0	0
327410	Lime	14	14	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	540	136	404
331110	Iron and Steel Mills and Ferroalloys	539	135	404
3312	Steel Products from Purchased Steel	*	*	0
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0
3314	Nonferrous Metals, except Aluminum	Q	Q	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	*	0
3315	Foundries	1	1	0
331511	Iron Foundries	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	*	*	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	Q	Q	0
333	Machinery	70	70	0
334	Computer and Electronic Products	9	Q	6
334413	Semiconductors and Related Devices	6	*	6
335	Electrical Equip., Appliances, and Components	*	*	0
336	Transportation Equipment	67	5	62
336111	Automobiles	1	1	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	62	1	61
336411	Aircraft	*	*	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	Q	Q	0
	Total	27,125	15,109	12,015

Northeast Census Region

311	Food	23	23	*
3112	Grain and Oilseed Milling	0	0	0
311221	Wet Corn Milling	0	0	0
31131	Sugar Manufacturing	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	5	5	*
3115	Dairy Product	18	18	0
3116	Animal Slaughtering and Processing	*	*	0
312	Beverage and Tobacco Products	0	0	0
3121	Beverages	0	0	0
3122	Tobacco	0	0	0
313	Textile Mills	Q	0	Q
314	Textile Product Mills	0	0	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	2	2	0
321113	Sawmills	2	2	0
3212	Veneer, Plywood, and Engineered Woods	0	0	0
321219	Reconstituted Wood Products	0	0	0
3219	Other Wood Products	*	*	0
322	Paper	1,615	808	808
322110	Pulp Mills	111	107	4
322121	Paper Mills, except Newsprint	1,493	689	804
322122	Newsprint Mills	0	0	0
322130	Paperboard Mills	8	8	0
323	Printing and Related Support	0	0	0
324	Petroleum and Coal Products	0	0	0

324110	Petroleum Refineries	0	0	0
324121	Asphalt Paving Mixture and Block	0	0	0
324122	Asphalt Shingle and Coating Materials	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	0	0	0
324199	Other Petroleum and Coal Products	0	0	0
325	Chemicals	64	61	3
325110	Petrochemicals	0	0	0
325120	Industrial Gases	0	0	0
325180	Other Basic Inorganic Chemicals	0	0	0
325193	Ethyl Alcohol	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	0
325199	Other Basic Organic Chemicals	*	*	0
325211	Plastics Materials and Resins	47	47	0
325212	Synthetic Rubber	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	0	0	0
325311	Nitrogenous Fertilizers	*	*	0
325312	Phosphatic Fertilizers	0	0	0
3254	Pharmaceuticals and Medicines	14	14	0
325412	Pharmaceutical Preparation	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	3	0	3
326	Plastics and Rubber Products	Q	Q	0
327	Nonmetallic Mineral Products	21	21	0
327120	Clay Building Material and Refractories	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	Q	Q	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	*	*	0
327310	Cements	0	0	0
327410	Lime	14	14	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	21	Q	21
331110	Iron and Steel Mills and Ferroalloys	21	0	21
3312	Steel Products from Purchased Steel	*	*	0
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0
3314	Nonferrous Metals, except Aluminum	Q	Q	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0
3315	Foundries	0	0	0
331511	Iron Foundries	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	0	0	0
333	Machinery	Q	Q	0
334	Computer and Electronic Products	8	Q	6
334413	Semiconductors and Related Devices	6	0	6
335	Electrical Equip., Appliances, and Components	*	*	0
336	Transportation Equipment	5	Q	Q
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	1	1	*
336411	Aircraft	0	0	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	Q	Q	0
	Total	1,777	935	841

Midwest Census Region

311	Food	22	*	22
3112	Grain and Oilseed Milling	22	0	22
311221	Wet Corn Milling	22	0	22

31131	Sugar Manufacturing	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	0	0	0
3115	Dairy Product	0	0	0
3116	Animal Slaughtering and Processing	*	*	0
312	Beverage and Tobacco Products	0	0	0
3121	Beverages	0	0	0
3122	Tobacco	0	0	0
313	Textile Mills	0	0	0
314	Textile Product Mills	0	0	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	*	*	0
321113	Sawmills	*	*	0
3212	Veneer, Plywood, and Engineered Woods	*	*	0
321219	Reconstituted Wood Products	0	0	0
3219	Other Wood Products	0	0	0
322	Paper	64	41	24
322110	Pulp Mills	0	0	0
322121	Paper Mills, except Newsprint	41	41	0
322122	Newsprint Mills	0	0	0
322130	Paperboard Mills	24	0	24
323	Printing and Related Support	0	0	0
324	Petroleum and Coal Products	489	57	432
324110	Petroleum Refineries	123	53	69
324121	Asphalt Paving Mixture and Block	*	*	0
324122	Asphalt Shingle and Coating Materials	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	0	0	0
324199	Other Petroleum and Coal Products	366	3	363
325	Chemicals	172	126	46
325110	Petrochemicals	0	0	0
325120	Industrial Gases	0	0	0
325180	Other Basic Inorganic Chemicals	26	0	26
325193	Ethyl Alcohol	97	97	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	0
325199	Other Basic Organic Chemicals	0	0	0
325211	Plastics Materials and Resins	44	26	Q
325212	Synthetic Rubber	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	0	0	0
325311	Nitrogenous Fertilizers	2	0	2
325312	Phosphatic Fertilizers	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0
325412	Pharmaceutical Preparation	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0
326	Plastics and Rubber Products	0	0	0
327	Nonmetallic Mineral Products	0	0	0
327120	Clay Building Material and Refractories	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	0	0	0
327310	Cements	0	0	0
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	319	134	184
331110	Iron and Steel Mills and Ferroalloys	319	134	184
3312	Steel Products from Purchased Steel	0	0	0
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0
3314	Nonferrous Metals, except Aluminum	*	*	0

331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	*	0
3315	Foundries	*	*	0
331511	Iron Foundries	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	0	0	0
333	Machinery	62	62	0
334	Computer and Electronic Products	0	0	0
334413	Semiconductors and Related Devices	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0
336	Transportation Equipment	0	0	0
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	0	0	0
336411	Aircraft	0	0	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	0	0	0
	Total	1,129	420	709

South Census Region

311	Food	77	77	0
3112	Grain and Oilseed Milling	0	0	0
311221	Wet Corn Milling	0	0	0
31131	Sugar Manufacturing	36	36	0
3114	Fruit and Vegetable Preserving and Specialty Food	35	35	0
3115	Dairy Product	0	0	0
3116	Animal Slaughtering and Processing	Q	Q	0
312	Beverage and Tobacco Products	Q	Q	0
3121	Beverages	Q	Q	0
3122	Tobacco	*	*	0
313	Textile Mills	Q	Q	0
314	Textile Product Mills	Q	Q	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	47	47	0
321113	Sawmills	47	47	0
3212	Veneer, Plywood, and Engineered Woods	0	0	0
321219	Reconstituted Wood Products	0	0	0
3219	Other Wood Products	*	*	0
322	Paper	2,193	2,157	36
322110	Pulp Mills	412	412	0
322121	Paper Mills, except Newsprint	568	568	0
322122	Newsprint Mills	0	0	0
322130	Paperboard Mills	1,214	1,177	36
323	Printing and Related Support	Q	Q	0
324	Petroleum and Coal Products	3,969	1,834	2,134
324110	Petroleum Refineries	3,561	1,436	2,125
324121	Asphalt Paving Mixture and Block	*	*	0
324122	Asphalt Shingle and Coating Materials	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	53	53	0
324199	Other Petroleum and Coal Products	354	345	9
325	Chemicals	13,222	5,287	7,935
325110	Petrochemicals	958	484	474
325120	Industrial Gases	1,456	0	1,456
325180	Other Basic Inorganic Chemicals	554	288	266
325193	Ethyl Alcohol	1	1	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	366	0	366
325199	Other Basic Organic Chemicals	2,208	1,322	886
325211	Plastics Materials and Resins	7,202	2,857	4,345
325212	Synthetic Rubber	32	21	11
325220	Artificial and Synthetic Fibers and Filaments	34	34	0
325311	Nitrogenous Fertilizers	4	4	0

325312	Phosphatic Fertilizers	140	140	0
3254	Pharmaceuticals and Medicines	3	3	0
325412	Pharmaceutical Preparation	2	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0
326	Plastics and Rubber Products	0	0	0
327	Nonmetallic Mineral Products	Q	Q	0
327120	Clay Building Material and Refractories	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	Q	Q	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	0	0	0
327310	Cements	0	0	0
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	199	*	199
331110	Iron and Steel Mills and Ferroalloys	199	*	199
3312	Steel Products from Purchased Steel	0	0	0
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0
3315	Foundries	*	*	0
331511	Iron Foundries	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	*	*	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	0	0	0
333	Machinery	0	0	0
334	Computer and Electronic Products	*	*	0
334413	Semiconductors and Related Devices	*	*	0
335	Electrical Equip., Appliances, and Components	0	0	0
336	Transportation Equipment	2	2	0
336111	Automobiles	1	1	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	0	0	0
336411	Aircraft	0	0	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	0	0	0
	Total	19,732	9,427	10,305

West Census Region

311	Food	5	5	0
3112	Grain and Oilseed Milling	*	*	0
311221	Wet Corn Milling	0	0	0
31131	Sugar Manufacturing	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	*	*	0
3115	Dairy Product	0	0	0
3116	Animal Slaughtering and Processing	0	0	0
312	Beverage and Tobacco Products	2	2	0
3121	Beverages	2	2	0
3122	Tobacco	0	0	0
313	Textile Mills	0	0	0
314	Textile Product Mills	0	0	0
315	Apparel	*	*	0
316	Leather and Allied Products	0	0	0
321	Wood Products	1,028	1,022	6
321113	Sawmills	920	914	6
3212	Veneer, Plywood, and Engineered Woods	108	108	0
321219	Reconstituted Wood Products	0	0	0
3219	Other Wood Products	0	0	0

322	Paper	1,499	1,492	7
322110	Pulp Mills	0	0	0
322121	Paper Mills, except Newsprint	576	576	0
322122	Newsprint Mills	0	0	0
322130	Paperboard Mills	868	868	0
323	Printing and Related Support	*	*	0
324	Petroleum and Coal Products	1,656	1,645	11
324110	Petroleum Refineries	1,656	1,645	11
324121	Asphalt Paving Mixture and Block	0	0	0
324122	Asphalt Shingle and Coating Materials	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	0	0	0
324199	Other Petroleum and Coal Products	0	0	0
325	Chemicals	206	131	Q
325110	Petrochemicals	0	0	0
325120	Industrial Gases	1	1	0
325180	Other Basic Inorganic Chemicals	56	56	0
325193	Ethyl Alcohol	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	8	8	0
325199	Other Basic Organic Chemicals	0	0	0
325211	Plastics Materials and Resins	0	0	0
325212	Synthetic Rubber	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	0	0	0
325311	Nitrogenous Fertilizers	0	0	0
325312	Phosphatic Fertilizers	67	67	0
3254	Pharmaceuticals and Medicines	0	0	0
325412	Pharmaceutical Preparation	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0
326	Plastics and Rubber Products	0	0	0
327	Nonmetallic Mineral Products	Q	Q	0
327120	Clay Building Material and Refractories	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	3	3	0
327310	Cements	0	0	0
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	1	1	0
331110	Iron and Steel Mills and Ferroalloys	0	0	0
3312	Steel Products from Purchased Steel	0	0	0
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0
3315	Foundries	1	1	0
331511	Iron Foundries	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	Q	Q	0
333	Machinery	Q	Q	0
334	Computer and Electronic Products	Q	Q	0
334413	Semiconductors and Related Devices	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0
336	Transportation Equipment	61	*	61
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	61	*	61
336411	Aircraft	*	*	0
337	Furniture and Related Products	0	0	0

339	Miscellaneous	Q	Q	0
	Total	4,487	4,327	160

(a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS).

(b) A *Utility* is a company in the local area that produces and/or delivers electricity and is legally obligated to provide service to the general public within its franchise area.

(c) *Nonutility* includes consumers, such as other manufacturers, households, and commercial entities; generators of electricity, such as independent power producers, small power producers, and co-generators not located at the establishment site; and suppliers, such as brokers, marketers, and marketing subsidiaries of utilities.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*.

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 11.5 Relative Standard Errors for Table 11.5;
 Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
Total United States				
311	Food	6.1	7.4	0.9
3112	Grain and Oilseed Milling	1.7	85.9	0.0
311221	Wet Corn Milling	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	14.4	14.6	63.9
3115	Dairy Product	16.8	16.8	X
3116	Animal Slaughtering and Processing	82.4	82.4	X
312	Beverage and Tobacco Products	38.7	38.7	X
3121	Beverages	42.0	42.0	X
3122	Tobacco	0.0	0.0	X
313	Textile Mills	47.1	54.4	90.8
314	Textile Product Mills	74.5	74.5	X
315	Apparel	32.2	32.2	X
316	Leather and Allied Products	X	X	X
321	Wood Products	0.1	0.1	0.0
321113	Sawmills	0.1	0.1	0.0
3212	Veneer, Plywood, and Engineered Woods	0.0	0.0	X
321219	Reconstituted Wood Products	X	X	X
3219	Other Wood Products	27.3	27.3	X
322	Paper	0.1	0.1	0.0
322110	Pulp Mills	0.0	0.0	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0
322122	Newsprint Mills	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0
323	Printing and Related Support	87.4	87.4	X
324	Petroleum and Coal Products	0.0	0.0	0.0
324110	Petroleum Refineries	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	0.0	0.0	X
324122	Asphalt Shingle and Coating Materials	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	0.0	0.0	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0
325	Chemicals	0.7	0.1	1.2
325110	Petrochemicals	0.0	0.0	0.0
325120	Industrial Gases	0.0	0.0	0.0
325180	Other Basic Inorganic Chemicals	0.1	0.1	0.0
325193	Ethyl Alcohol	0.0	0.0	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0
325199	Other Basic Organic Chemicals	2.8	0.1	7.0
325211	Plastics Materials and Resins	0.2	0.0	0.4
325212	Synthetic Rubber	0.0	0.0	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X
3254	Pharmaceuticals and Medicines	0.4	0.4	X
325412	Pharmaceutical Preparation	0.0	0.0	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0
326	Plastics and Rubber Products	99.0	99.0	X
327	Nonmetallic Mineral Products	39.3	39.3	X
327120	Clay Building Material and Refractories	X	X	X
327211	Flat Glass	X	X	X
327212	Other Pressed and Blown Glass and Glassware	60.9	60.9	X
327213	Glass Containers	X	X	X
327215	Glass Products from Purchased Glass	1.4	1.4	X
327310	Cements	X	X	X
327410	Lime	0.0	0.0	X
327420	Gypsum	X	X	X
327993	Mineral Wool	X	X	X
331	Primary Metals	0.1	0.4	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0

3312	Steel Products from Purchased Steel	63.3	63.3	X
3313	Alumina and Aluminum	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X
3314	Nonferrous Metals, except Aluminum	71.9	71.9	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X
3315	Foundries	2.8	2.8	X
331511	Iron Foundries	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	0.0	0.0	X
331524	Aluminum Foundries, except Die-Casting	X	X	X
332	Fabricated Metal Products	99.5	99.5	X
333	Machinery	9.7	9.7	X
334	Computer and Electronic Products	20.5	56.6	0.0
334413	Semiconductors and Related Devices	0.0	0.0	0.0
335	Electrical Equip., Appliances, and Components	96.6	96.6	X
336	Transportation Equipment	3.0	36.7	1.4
336111	Automobiles	0.0	0.0	X
336112	Light Trucks and Utility Vehicles	X	X	X
3364	Aerospace Product and Parts	0.0	0.0	0.0
336411	Aircraft	0.0	0.0	X
337	Furniture and Related Products	X	X	X
339	Miscellaneous	80.5	80.5	X
	Total	0.4	0.2	0.8

Northeast Census Region

311	Food	14.7	14.9	63.9
3112	Grain and Oilseed Milling	X	X	X
311221	Wet Corn Milling	X	X	X
31131	Sugar Manufacturing	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	32.5	34.6	63.9
3115	Dairy Product	16.8	16.8	X
3116	Animal Slaughtering and Processing	43.7	43.7	X
312	Beverage and Tobacco Products	X	X	X
3121	Beverages	X	X	X
3122	Tobacco	X	X	X
313	Textile Mills	90.8	X	90.8
314	Textile Product Mills	X	X	X
315	Apparel	X	X	X
316	Leather and Allied Products	X	X	X
321	Wood Products	0.1	0.1	X
321113	Sawmills	0.1	0.1	X
3212	Veneer, Plywood, and Engineered Woods	X	X	X
321219	Reconstituted Wood Products	X	X	X
3219	Other Wood Products	0.0	0.0	X
322	Paper	0.1	0.3	0.0
322110	Pulp Mills	0.0	0.0	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0
322122	Newsprint Mills	X	X	X
322130	Paperboard Mills	0.0	0.0	X
323	Printing and Related Support	X	X	X
324	Petroleum and Coal Products	X	X	X
324110	Petroleum Refineries	X	X	X
324121	Asphalt Paving Mixture and Block	X	X	X
324122	Asphalt Shingle and Coating Materials	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	X	X	X
324199	Other Petroleum and Coal Products	X	X	X
325	Chemicals	0.1	0.1	0.0
325110	Petrochemicals	X	X	X
325120	Industrial Gases	X	X	X
325180	Other Basic Inorganic Chemicals	X	X	X
325193	Ethyl Alcohol	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X
325199	Other Basic Organic Chemicals	16.9	16.9	X
325211	Plastics Materials and Resins	0.0	0.0	X
325212	Synthetic Rubber	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	X
325312	Phosphatic Fertilizers	X	X	X

3254	Pharmaceuticals and Medicines	0.0	0.0	X
325412	Pharmaceutical Preparation	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0
326	Plastics and Rubber Products	99.0	99.0	X
327	Nonmetallic Mineral Products	26.3	26.3	X
327120	Clay Building Material and Refractories	X	X	X
327211	Flat Glass	X	X	X
327212	Other Pressed and Blown Glass and Glassware	80.9	80.9	X
327213	Glass Containers	X	X	X
327215	Glass Products from Purchased Glass	28.8	28.8	X
327310	Cements	X	X	X
327410	Lime	0.0	0.0	X
327420	Gypsum	X	X	X
327993	Mineral Wool	X	X	X
331	Primary Metals	2.5	65.1	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0
3312	Steel Products from Purchased Steel	63.3	63.3	X
3313	Alumina and Aluminum	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X
3314	Nonferrous Metals, except Aluminum	75.6	75.6	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X
3315	Foundries	X	X	X
331511	Iron Foundries	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X
332	Fabricated Metal Products	X	X	X
333	Machinery	97.5	97.5	X
334	Computer and Electronic Products	17.3	70.1	0.0
334413	Semiconductors and Related Devices	0.0	X	0.0
335	Electrical Equip., Appliances, and Components	96.6	96.6	X
336	Transportation Equipment	42.5	56.2	58.5
336111	Automobiles	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X
3364	Aerospace Product and Parts	0.0	0.0	0.0
336411	Aircraft	X	X	X
337	Furniture and Related Products	X	X	X
339	Miscellaneous	99.0	99.0	X
	Total	0.7	1.3	0.3

Midwest Census Region

311	Food	0.1	64.5	0.0
3112	Grain and Oilseed Milling	0.0	X	0.0
311221	Wet Corn Milling	0.0	X	0.0
31131	Sugar Manufacturing	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	X	X	X
3115	Dairy Product	X	X	X
3116	Animal Slaughtering and Processing	64.5	64.5	X
312	Beverage and Tobacco Products	X	X	X
3121	Beverages	X	X	X
3122	Tobacco	X	X	X
313	Textile Mills	X	X	X
314	Textile Product Mills	X	X	X
315	Apparel	X	X	X
316	Leather and Allied Products	X	X	X
321	Wood Products	0.0	0.0	X
321113	Sawmills	0.0	0.0	X
3212	Veneer, Plywood, and Engineered Woods	0.0	0.0	X
321219	Reconstituted Wood Products	X	X	X
3219	Other Wood Products	X	X	X
322	Paper	0.0	0.0	0.0
322110	Pulp Mills	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	X
322122	Newsprint Mills	X	X	X
322130	Paperboard Mills	0.0	X	0.0
323	Printing and Related Support	X	X	X
324	Petroleum and Coal Products	0.0	0.0	0.0
324110	Petroleum Refineries	0.0	0.0	0.0

324121	Asphalt Paving Mixture and Block	0.0	0.0	X
324122	Asphalt Shingle and Coating Materials	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0
325	Chemicals	9.4	0.0	34.9
325110	Petrochemicals	X	X	X
325120	Industrial Gases	X	X	X
325180	Other Basic Inorganic Chemicals	0.0	X	0.0
325193	Ethyl Alcohol	0.0	0.0	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X
325199	Other Basic Organic Chemicals	X	X	X
325211	Plastics Materials and Resins	36.8	0.0	88.7
325212	Synthetic Rubber	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	X	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0
325312	Phosphatic Fertilizers	X	X	X
3254	Pharmaceuticals and Medicines	X	X	X
325412	Pharmaceutical Preparation	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X
326	Plastics and Rubber Products	X	X	X
327	Nonmetallic Mineral Products	X	X	X
327120	Clay Building Material and Refractories	X	X	X
327211	Flat Glass	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X
327213	Glass Containers	X	X	X
327215	Glass Products from Purchased Glass	X	X	X
327310	Cements	X	X	X
327410	Lime	X	X	X
327420	Gypsum	X	X	X
327993	Mineral Wool	X	X	X
331	Primary Metals	0.1	0.1	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	X	X	X
3313	Alumina and Aluminum	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X
3314	Nonferrous Metals, except Aluminum	0.0	0.0	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X
3315	Foundries	87.8	87.8	X
331511	Iron Foundries	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X
332	Fabricated Metal Products	X	X	X
333	Machinery	4.8	4.8	X
334	Computer and Electronic Products	X	X	X
334413	Semiconductors and Related Devices	X	X	X
335	Electrical Equip., Appliances, and Components	X	X	X
336	Transportation Equipment	X	X	X
336111	Automobiles	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X
3364	Aerospace Product and Parts	X	X	X
336411	Aircraft	X	X	X
337	Furniture and Related Products	X	X	X
339	Miscellaneous	X	X	X
	Total	1.5	0.7	2.3

South Census Region

311	Food	9.0	9.0	X
3112	Grain and Oilseed Milling	X	X	X
311221	Wet Corn Milling	X	X	X
31131	Sugar Manufacturing	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	15.9	15.9	X
3115	Dairy Product	X	X	X
3116	Animal Slaughtering and Processing	97.2	97.2	X
312	Beverage and Tobacco Products	74.2	74.2	X
3121	Beverages	95.4	95.4	X
3122	Tobacco	0.0	0.0	X
313	Textile Mills	54.4	54.4	X

314	Textile Product Mills	74.5	74.5	X
315	Apparel	X	X	X
316	Leather and Allied Products	X	X	X
321	Wood Products	0.3	0.3	X
321113	Sawmills	0.0	0.0	X
3212	Veneer, Plywood, and Engineered Woods	X	X	X
321219	Reconstituted Wood Products	X	X	X
3219	Other Wood Products	91.8	91.8	X
322	Paper	0.0	0.0	0.0
322110	Pulp Mills	0.0	0.0	X
322121	Paper Mills, except Newsprint	0.0	0.0	X
322122	Newsprint Mills	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0
323	Printing and Related Support	96.3	96.3	X
324	Petroleum and Coal Products	0.0	0.0	0.0
324110	Petroleum Refineries	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	0.0	0.0	X
324122	Asphalt Shingle and Coating Materials	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	0.0	0.0	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0
325	Chemicals	0.5	0.1	0.8
325110	Petrochemicals	0.0	0.0	0.0
325120	Industrial Gases	0.0	X	0.0
325180	Other Basic Inorganic Chemicals	0.0	0.0	0.0
325193	Ethyl Alcohol	0.0	0.0	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0
325199	Other Basic Organic Chemicals	2.8	0.0	7.0
325211	Plastics Materials and Resins	0.0	0.0	0.0
325212	Synthetic Rubber	0.0	0.0	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X
325311	Nitrogenous Fertilizers	0.0	0.0	X
325312	Phosphatic Fertilizers	0.0	0.0	X
3254	Pharmaceuticals and Medicines	2.6	2.6	X
325412	Pharmaceutical Preparation	0.0	0.0	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X
326	Plastics and Rubber Products	X	X	X
327	Nonmetallic Mineral Products	91.9	91.9	X
327120	Clay Building Material and Refractories	X	X	X
327211	Flat Glass	X	X	X
327212	Other Pressed and Blown Glass and Glassware	91.9	91.9	X
327213	Glass Containers	X	X	X
327215	Glass Products from Purchased Glass	X	X	X
327310	Cements	X	X	X
327410	Lime	X	X	X
327420	Gypsum	X	X	X
327993	Mineral Wool	X	X	X
331	Primary Metals	0.0	0.0	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	X	X	X
3313	Alumina and Aluminum	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X
3314	Nonferrous Metals, except Aluminum	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X
3315	Foundries	0.0	0.0	X
331511	Iron Foundries	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	0.0	0.0	X
331524	Aluminum Foundries, except Die-Casting	X	X	X
332	Fabricated Metal Products	X	X	X
333	Machinery	X	X	X
334	Computer and Electronic Products	0.0	0.0	X
334413	Semiconductors and Related Devices	0.0	0.0	X
335	Electrical Equip., Appliances, and Components	X	X	X
336	Transportation Equipment	29.2	29.2	X
336111	Automobiles	0.0	0.0	X
336112	Light Trucks and Utility Vehicles	X	X	X
3364	Aerospace Product and Parts	X	X	X
336411	Aircraft	X	X	X

337	Furniture and Related Products	X	X	X
339	Miscellaneous	X	X	X
	Total	0.3	0.1	0.6

West Census Region

311	Food	8.5	8.5	X
3112	Grain and Oilseed Milling	85.9	85.9	X
311221	Wet Corn Milling	X	X	X
31131	Sugar Manufacturing	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	0.0	0.0	X
3115	Dairy Product	X	X	X
3116	Animal Slaughtering and Processing	X	X	X
312	Beverage and Tobacco Products	43.9	43.9	X
3121	Beverages	43.9	43.9	X
3122	Tobacco	X	X	X
313	Textile Mills	X	X	X
314	Textile Product Mills	X	X	X
315	Apparel	32.2	32.2	X
316	Leather and Allied Products	X	X	X
321	Wood Products	0.0	0.0	0.0
321113	Sawmills	0.0	0.0	0.0
3212	Veneer, Plywood, and Engineered Woods	0.0	0.0	X
321219	Reconstituted Wood Products	X	X	X
3219	Other Wood Products	X	X	X
322	Paper	0.0	0.0	0.0
322110	Pulp Mills	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	X
322122	Newsprint Mills	X	X	X
322130	Paperboard Mills	0.0	0.0	X
323	Printing and Related Support	93.9	93.9	X
324	Petroleum and Coal Products	0.0	0.0	0.0
324110	Petroleum Refineries	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	X	X	X
324122	Asphalt Shingle and Coating Materials	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	X	X	X
324199	Other Petroleum and Coal Products	X	X	X
325	Chemicals	34.8	0.3	96.3
325110	Petrochemicals	X	X	X
325120	Industrial Gases	0.0	0.0	X
325180	Other Basic Inorganic Chemicals	0.7	0.7	X
325193	Ethyl Alcohol	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X
325199	Other Basic Organic Chemicals	X	X	X
325211	Plastics Materials and Resins	X	X	X
325212	Synthetic Rubber	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	X	X	X
325311	Nitrogenous Fertilizers	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	X
3254	Pharmaceuticals and Medicines	X	X	X
325412	Pharmaceutical Preparation	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X
326	Plastics and Rubber Products	X	X	X
327	Nonmetallic Mineral Products	84.6	84.6	X
327120	Clay Building Material and Refractories	X	X	X
327211	Flat Glass	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X
327213	Glass Containers	X	X	X
327215	Glass Products from Purchased Glass	0.0	0.0	X
327310	Cements	X	X	X
327410	Lime	X	X	X
327420	Gypsum	X	X	X
327993	Mineral Wool	X	X	X
331	Primary Metals	0.0	0.0	X
331110	Iron and Steel Mills and Ferroalloys	X	X	X
3312	Steel Products from Purchased Steel	X	X	X
3313	Alumina and Aluminum	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X

3314	Nonferrous Metals, except Aluminum	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X
3315	Foundries	0.0	0.0	X
331511	Iron Foundries	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X
332	Fabricated Metal Products	99.5	99.5	X
333	Machinery	99.0	99.0	X
334	Computer and Electronic Products	99.0	99.0	X
334413	Semiconductors and Related Devices	X	X	X
335	Electrical Equip., Appliances, and Components	X	X	X
336	Transportation Equipment	0.0	0.0	0.0
336111	Automobiles	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X
3364	Aerospace Product and Parts	0.0	0.0	0.0
336411	Aircraft	0.0	0.0	X
337	Furniture and Related Products	X	X	X
339	Miscellaneous	68.7	68.7	X
	Total	1.6	0.4	44.7

(a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS).

(b) A *Utility* is a company in the local area that produces and/or delivers electricity and is legally obligated to provide service to the general public within its franchise area.

(c) *Nonutility* includes consumers, such as other manufacturers, households, and commercial entities; generators of electricity, such as independent power producers, small power producers, and co-generators not located at the establishment site; and suppliers, such as brokers, marketers, and marketing subsidiaries of utilities.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error 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.

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*.

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).