

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

Table 11.1 Electricity: Components of Net Demand, 2018;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
Total United States						
311	Food	91,916	102	2,964	127	94,854
3112	Grain and Oilseed Milling	14,689	28	1,025	23	15,720
311221	Wet Corn Milling	6,035	0	562	22	6,575
31131	Sugar Manufacturing	1,113	66	895	36	2,038
3114	Fruit and Vegetable Preserving and Specialty Food	9,945	0	612	41	10,516
3115	Dairy Product	11,509	0	79	18	11,570
3116	Animal Slaughtering and Processing	31,666	Q	26	Q	31,698
312	Beverage and Tobacco Products	14,184	0	261	3	14,442
3121	Beverages	13,418	0	241	3	13,657
3122	Tobacco	766	0	19	*	785
313	Textile Mills	10,879	3	80	12	10,949
314	Textile Product Mills	2,842	0	Q	Q	2,858
315	Apparel	722	*	2	*	724
316	Leather and Allied Products	226	0	0	0	226
321	Wood Products	21,761	Q	1,840	1,077	22,526
321113	Sawmills	8,180	0	1,439	969	8,650
3212	Veneer, Plywood, and Engineered Woods	6,817	0	290	108	6,999
321219	Reconstituted Wood Products	4,289	0	133	0	4,423
3219	Other Wood Products	6,310	Q	Q	1	6,422
322	Paper	55,952	9	40,518	5,372	91,108
322110	Pulp Mills	2,033	0	6,505	523	8,015
322121	Paper Mills, except Newsprint	17,888	9	15,940	2,678	31,159
322122	Newsprint Mills	4,946	0	432	0	5,378
322130	Paperboard Mills	18,401	0	17,380	2,113	33,668
323	Printing and Related Support	10,032	0	Q	Q	10,044
324	Petroleum and Coal Products	54,317	3,813	19,678	6,114	71,694
324110	Petroleum Refineries	50,007	3,812	18,817	5,340	67,296
324121	Asphalt Paving Mixture and Block	1,378	1	7	*	1,386
324122	Asphalt Shingle and Coating Materials	930	0	1	0	930
324191	Petroleum Lubricating Oil and Grease Products	1,393	0	*	53	1,340
324199	Other Petroleum and Coal Products	610	*	853	720	742
325	Chemicals	157,413	3,066	60,634	13,664	207,450
325110	Petrochemicals	7,416	487	3,984	958	10,929
325120	Industrial Gases	22,641	Q	3,564	1,456	25,176
325180	Other Basic Inorganic Chemicals	28,642	1,714	13,552	636	43,271
325193	Ethyl Alcohol	10,628	191	2,747	98	13,469
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3,515	0	103	375	3,243
325199	Other Basic Organic Chemicals	20,931	247	11,698	2,208	30,668
325211	Plastics Materials and Resins	24,174	0	21,939	7,293	38,820
325212	Synthetic Rubber	1,417	0	274	32	1,659
325220	Artificial and Synthetic Fibers and Filaments	2,728	0	275	34	2,969
325311	Nitrogenous Fertilizers	5,137	0	541	6	5,672
325312	Phosphatic Fertilizers	2,085	0	592	206	2,470
3254	Pharmaceuticals and Medicines	10,447	*	673	16	11,104
325412	Pharmaceutical Preparation	6,115	*	76	2	6,189
325992	Photographic Film, Paper, Plate, and Chemicals	923	0	*	3	921
326	Plastics and Rubber Products	49,327	0	Q	Q	49,342
327	Nonmetallic Mineral Products	37,910	Q	270	47	38,145
327120	Clay Building Material and Refractories	1,767	*	2	0	1,770
327211	Flat Glass	1,419	0	*	0	1,420
327212	Other Pressed and Blown Glass and Glassware	2,123	0	Q	Q	2,135
327213	Glass Containers	3,447	0	0	0	3,447
327215	Glass Products from Purchased Glass	3,670	0	9	3	3,676
327310	Cements	11,421	0	24	0	11,444
327410	Lime	1,398	0	14	14	1,398
327420	Gypsum	1,541	0	Q	0	1,583
327993	Mineral Wool	3,110	0	1	0	3,111
331	Primary Metals	113,382	0	8,627	540	121,469
331110	Iron and Steel Mills and Ferroalloys	56,170	0	4,884	539	60,516
3312	Steel Products from Purchased Steel	6,914	0	4	*	6,919
3313	Alumina and Aluminum	26,260	0	3,711	0	29,971
331314	Secondary Smelting and Alloying of Aluminum	780	0	*	0	780
331315	Aluminum Sheet, Plate and Foils	5,377	0	0	0	5,377
331318	Other Aluminum Rolling, Drawing and Extruding	1,917	0	*	0	1,917

3314	Nonferrous Metals, except Aluminum	13,272	0	7	Q	13,278
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	7,887	0	*	*	7,887
3315	Foundries	10,766	0	20	1	10,785
331511	Iron Foundries	5,196	0	9	0	5,206
331523	Nonferrous Metal Die-Casting Foundries	2,078	0	*	*	2,078
331524	Aluminum Foundries, except Die-Casting	788	0	*	0	788
332	Fabricated Metal Products	36,063	*	Q	Q	36,281
333	Machinery	23,569	0	311	70	23,810
334	Computer and Electronic Products	22,186	Q	60	9	22,245
334413	Semiconductors and Related Devices	11,613	0	7	6	11,614
335	Electrical Equip., Appliances, and Components	11,037	0	46	*	11,083
336	Transportation Equipment	50,462	*	497	67	50,891
336111	Automobiles	4,024	0	79	1	4,101
336112	Light Trucks and Utility Vehicles	4,233	0	57	0	4,290
3364	Aerospace Product and Parts	9,699	*	313	62	9,950
336411	Aircraft	2,721	*	1	*	2,722
337	Furniture and Related Products	4,669	*	Q	0	4,756
339	Miscellaneous	9,547	0	Q	Q	9,578
	Total	778,396	7,017	136,187	27,125	894,476

Northeast Census Region

311	Food	7,833	Q	144	23	7,957
3112	Grain and Oilseed Milling	497	0	*	0	497
311221	Wet Corn Milling	15	0	0	0	15
31131	Sugar Manufacturing	4	0	40	0	44
3114	Fruit and Vegetable Preserving and Specialty Food	787	0	92	5	874
3115	Dairy Product	1,467	0	9	18	1,459
3116	Animal Slaughtering and Processing	1,096	Q	Q	*	1,101
312	Beverage and Tobacco Products	1,674	0	25	0	1,699
3121	Beverages	1,647	0	25	0	1,672
3122	Tobacco	28	0	0	0	28
313	Textile Mills	568	2	70	Q	639
314	Textile Product Mills	305	0	Q	0	322
315	Apparel	151	0	0	0	151
316	Leather and Allied Products	49	0	0	0	49
321	Wood Products	1,488	0	37	2	1,522
321113	Sawmills	381	0	15	2	394
3212	Veneer, Plywood, and Engineered Woods	269	0	19	0	289
321219	Reconstituted Wood Products	196	0	19	0	216
3219	Other Wood Products	816	0	2	*	818
322	Paper	5,879	9	5,295	1,615	9,569
322110	Pulp Mills	0	0	664	111	0
322121	Paper Mills, except Newsprint	2,392	9	4,472	1,493	5,380
322122	Newsprint Mills	0	0	0	0	0
322130	Paperboard Mills	1,459	0	154	8	1,606
323	Printing and Related Support	1,582	0	Q	0	1,588
324	Petroleum and Coal Products	2,611	0	590	0	3,201
324110	Petroleum Refineries	2,119	0	578	0	2,697
324121	Asphalt Paving Mixture and Block	281	0	*	0	281
324122	Asphalt Shingle and Coating Materials	90	0	0	0	90
324191	Petroleum Lubricating Oil and Grease Products	45	0	0	0	45
324199	Other Petroleum and Coal Products	76	0	12	0	88
325	Chemicals	10,994	Q	738	64	12,010
325110	Petrochemicals	17	0	*	0	17
325120	Industrial Gases	2,436	Q	0	0	2,777
325180	Other Basic Inorganic Chemicals	1,619	0	0	0	1,619
325193	Ethyl Alcohol	170	0	0	0	170
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	107	0	0	0	107
325199	Other Basic Organic Chemicals	1,502	0	124	*	1,626
325211	Plastics Materials and Resins	871	0	44	47	868
325212	Synthetic Rubber	18	0	0	0	18
325220	Artificial and Synthetic Fibers and Filaments	35	0	0	0	35
325311	Nitrogenous Fertilizers	24	0	*	*	24
325312	Phosphatic Fertilizers	1	0	0	0	1
3254	Pharmaceuticals and Medicines	2,383	*	564	14	2,934
325412	Pharmaceutical Preparation	1,359	*	2	0	1,361
325992	Photographic Film, Paper, Plate, and Chemicals	415	0	*	3	412
326	Plastics and Rubber Products	4,749	0	Q	Q	4,763
327	Nonmetallic Mineral Products	3,885	*	83	21	3,947
327120	Clay Building Material and Refractories	212	*	*	0	213
327211	Flat Glass	123	0	0	0	123
327212	Other Pressed and Blown Glass and Glassware	416	0	Q	Q	416
327213	Glass Containers	461	0	0	0	461
327215	Glass Products from Purchased Glass	285	0	4	*	289
327310	Cements	810	0	0	0	810

327410	Lime	69	0	14	14	69
327420	Gypsum	138	0	16	0	153
327993	Mineral Wool	129	0	*	0	129
331	Primary Metals	10,936	0	631	21	11,545
331110	Iron and Steel Mills and Ferroalloys	6,325	0	624	21	6,928
3312	Steel Products from Purchased Steel	480	0	4	*	485
3313	Alumina and Aluminum	1,547	0	0	0	1,547
331314	Secondary Smelting and Alloying of Aluminum	24	0	0	0	24
331315	Aluminum Sheet, Plate and Foils	579	0	0	0	579
331318	Other Aluminum Rolling, Drawing and Extruding	281	0	0	0	281
3314	Nonferrous Metals, except Aluminum	1,571	0	2	Q	1,573
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	123	0	0	0	123
3315	Foundries	1,012	0	*	0	1,012
331511	Iron Foundries	464	0	*	0	464
331523	Nonferrous Metal Die-Casting Foundries	93	0	0	0	93
331524	Aluminum Foundries, except Die-Casting	82	0	*	0	82
332	Fabricated Metal Products	6,078	0	Q	0	6,099
333	Machinery	2,222	0	15	Q	2,231
334	Computer and Electronic Products	4,342	Q	14	8	4,352
334413	Semiconductors and Related Devices	1,026	0	1	6	1,022
335	Electrical Equip., Appliances, and Components	1,524	0	Q	*	1,527
336	Transportation Equipment	Q	*	274	5	Q
336111	Automobiles	1	0	0	0	1
336112	Light Trucks and Utility Vehicles	1	0	0	0	1
3364	Aerospace Product and Parts	843	*	272	1	1,114
336411	Aircraft	169	*	*	0	169
337	Furniture and Related Products	577	*	0	0	577
339	Miscellaneous	2,148	0	Q	Q	2,168
	Total	74,291	Q	8,004	1,777	80,879

Midwest Census Region

311	Food	33,123	0	1,068	22	34,169
3112	Grain and Oilseed Milling	10,528	0	837	22	11,342
311221	Wet Corn Milling	5,585	0	473	22	6,036
31131	Sugar Manufacturing	608	0	224	0	833
3114	Fruit and Vegetable Preserving and Specialty Food	3,656	0	Q	0	3,658
3115	Dairy Product	4,353	0	4	0	4,357
3116	Animal Slaughtering and Processing	7,588	0	Q	*	7,590
312	Beverage and Tobacco Products	1,480	0	47	0	1,526
3121	Beverages	1,479	0	47	0	1,525
3122	Tobacco	1	0	0	0	1
313	Textile Mills	301	0	0	0	301
314	Textile Product Mills	143	0	0	0	143
315	Apparel	70	0	0	0	70
316	Leather and Allied Products	107	0	0	0	107
321	Wood Products	2,988	Q	Q	*	3,069
321113	Sawmills	448	0	2	*	450
3212	Veneer, Plywood, and Engineered Woods	771	0	1	*	772
321219	Reconstituted Wood Products	519	0	*	0	519
3219	Other Wood Products	1,729	Q	Q	0	1,807
322	Paper	13,312	0	4,460	64	17,708
322110	Pulp Mills	D	0	0	0	D
322121	Paper Mills, except Newsprint	5,030	0	4,075	41	9,065
322122	Newsprint Mills	0	0	0	0	0
322130	Paperboard Mills	2,785	0	377	24	3,138
323	Printing and Related Support	3,786	0	0	0	3,786
324	Petroleum and Coal Products	10,942	0	1,246	489	11,699
324110	Petroleum Refineries	9,908	0	882	123	10,668
324121	Asphalt Paving Mixture and Block	257	0	1	*	257
324122	Asphalt Shingle and Coating Materials	275	0	1	0	275
324191	Petroleum Lubricating Oil and Grease Products	194	0	0	0	194
324199	Other Petroleum and Coal Products	307	0	363	366	304
325	Chemicals	38,192	438	4,996	172	43,454
325110	Petrochemicals	3	0	0	0	3
325120	Industrial Gases	6,549	0	0	0	6,549
325180	Other Basic Inorganic Chemicals	3,809	0	*	26	3,783
325193	Ethyl Alcohol	9,617	191	2,745	97	12,457
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	287	0	0	0	287
325199	Other Basic Organic Chemicals	3,764	247	1,323	0	5,334
325211	Plastics Materials and Resins	3,123	0	843	44	3,922
325212	Synthetic Rubber	178	0	0	0	178
325220	Artificial and Synthetic Fibers and Filaments	74	0	0	0	74
325311	Nitrogenous Fertilizers	1,776	0	1	2	1,775
325312	Phosphatic Fertilizers	8	0	0	0	8
3254	Pharmaceuticals and Medicines	3,304	0	23	0	3,327

325412	Pharmaceutical Preparation	2,130	0	22	0	2,152
325992	Photographic Film, Paper, Plate, and Chemicals	52	0	*	0	52
326	Plastics and Rubber Products	21,718	0	Q	0	21,719
327	Nonmetallic Mineral Products	11,435	0	*	0	11,436
327120	Clay Building Material and Refractories	285	0	*	0	285
327211	Flat Glass	462	0	*	0	462
327212	Other Pressed and Blown Glass and Glassware	496	0	*	0	496
327213	Glass Containers	945	0	0	0	945
327215	Glass Products from Purchased Glass	1,721	0	*	0	1,721
327310	Cements	3,096	0	0	0	3,096
327410	Lime	467	0	0	0	467
327420	Gypsum	264	0	0	0	264
327993	Mineral Wool	1,292	0	*	0	1,292
331	Primary Metals	41,892	0	7,701	319	49,274
331110	Iron and Steel Mills and Ferroalloys	20,330	0	4,259	319	24,271
3312	Steel Products from Purchased Steel	2,294	0	*	0	2,294
3313	Alumina and Aluminum	8,608	0	3,432	0	12,040
331314	Secondary Smelting and Alloying of Aluminum	300	0	0	0	300
331315	Aluminum Sheet, Plate and Foils	1,564	0	0	0	1,564
331318	Other Aluminum Rolling, Drawing and Extruding	698	0	*	0	698
3314	Nonferrous Metals, except Aluminum	4,097	0	*	*	4,097
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2,472	0	*	*	2,472
3315	Foundries	6,563	0	9	*	6,572
331511	Iron Foundries	3,252	0	9	0	3,261
331523	Nonferrous Metal Die-Casting Foundries	1,348	0	*	0	1,348
331524	Aluminum Foundries, except Die-Casting	458	0	0	0	458
332	Fabricated Metal Products	18,463	*	Q	0	18,470
333	Machinery	9,712	0	245	62	9,896
334	Computer and Electronic Products	3,186	0	5	0	3,191
334413	Semiconductors and Related Devices	1,167	0	5	0	1,172
335	Electrical Equip., Appliances, and Components	3,786	0	*	0	3,786
336	Transportation Equipment	24,876	0	123	0	25,000
336111	Automobiles	2,024	0	31	0	2,054
336112	Light Trucks and Utility Vehicles	2,259	0	52	0	2,311
3364	Aerospace Product and Parts	2,405	0	*	0	2,405
336411	Aircraft	528	0	0	0	528
337	Furniture and Related Products	1,813	0	Q	0	1,895
339	Miscellaneous	3,343	0	Q	0	3,350
	Total	244,669	441	20,067	1,129	264,048

South Census Region

311	Food	23,324	97	1,163	77	24,507
3112	Grain and Oilseed Milling	2,809	26	157	0	2,992
311221	Wet Corn Milling	358	0	61	0	419
31131	Sugar Manufacturing	236	66	519	36	785
3114	Fruit and Vegetable Preserving and Specialty Food	1,906	0	469	35	2,339
3115	Dairy Product	2,365	0	*	0	2,365
3116	Animal Slaughtering and Processing	9,698	Q	13	Q	9,715
312	Beverage and Tobacco Products	7,630	0	89	Q	7,719
3121	Beverages	6,894	0	70	Q	6,963
3122	Tobacco	736	0	19	*	755
313	Textile Mills	9,776	*	Q	Q	9,776
314	Textile Product Mills	2,231	0	Q	Q	2,231
315	Apparel	451	0	0	0	451
316	Leather and Allied Products	53	0	0	0	53
321	Wood Products	12,784	0	242	47	12,980
321113	Sawmills	5,723	0	48	47	5,724
3212	Veneer, Plywood, and Engineered Woods	4,001	0	161	0	4,163
321219	Reconstituted Wood Products	2,734	0	114	0	2,848
3219	Other Wood Products	2,772	0	Q	*	2,804
322	Paper	26,930	0	28,799	2,193	53,536
322110	Pulp Mills	1,417	0	5,723	412	6,728
322121	Paper Mills, except Newsprint	7,808	0	6,337	568	13,577
322122	Newsprint Mills	2,032	0	432	0	2,463
322130	Paperboard Mills	11,130	0	16,307	1,214	26,223
323	Printing and Related Support	3,883	0	Q	Q	3,888
324	Petroleum and Coal Products	31,326	2,773	12,213	3,969	42,344
324110	Petroleum Refineries	28,992	2,773	11,730	3,561	39,933
324121	Asphalt Paving Mixture and Block	561	0	6	*	567
324122	Asphalt Shingle and Coating Materials	440	0	0	0	440
324191	Petroleum Lubricating Oil and Grease Products	1,135	0	0	53	1,082
324199	Other Petroleum and Coal Products	198	0	478	354	321
325	Chemicals	96,122	2,201	52,746	13,222	137,847
325110	Petrochemicals	7,396	487	3,984	958	10,909
325120	Industrial Gases	9,750	0	2,444	1,456	10,739

325180	Other Basic Inorganic Chemicals	19,903	1,714	12,829	554	33,892
325193	Ethyl Alcohol	429	0	1	1	429
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3,104	0	18	366	2,756
325199	Other Basic Organic Chemicals	14,926	0	10,251	2,208	22,969
325211	Plastics Materials and Resins	19,888	0	21,052	7,202	33,738
325212	Synthetic Rubber	1,209	0	274	32	1,451
325220	Artificial and Synthetic Fibers and Filaments	2,610	0	275	34	2,851
325311	Nitrogenous Fertilizers	2,877	0	540	4	3,414
325312	Phosphatic Fertilizers	1,620	0	419	140	1,899
3254	Pharmaceuticals and Medicines	3,367	0	37	3	3,401
325412	Pharmaceutical Preparation	1,892	0	3	2	1,892
325992	Photographic Film, Paper, Plate, and Chemicals	283	0	*	0	283
326	Plastics and Rubber Products	19,490	0	*	0	19,490
327	Nonmetallic Mineral Products	16,416	Q	Q	Q	16,446
327120	Clay Building Material and Refractories	1,192	0	2	0	1,194
327211	Flat Glass	667	0	*	0	667
327212	Other Pressed and Blown Glass and Glassware	1,132	0	Q	Q	1,145
327213	Glass Containers	1,159	0	0	0	1,159
327215	Glass Products from Purchased Glass	1,351	0	1	0	1,352
327310	Cements	5,251	0	0	0	5,251
327410	Lime	676	0	0	0	676
327420	Gypsum	890	0	0	0	890
327993	Mineral Wool	1,170	0	*	0	1,170
331	Primary Metals	48,571	0	284	199	48,656
331110	Iron and Steel Mills and Ferroalloys	26,176	0	1	199	25,978
3312	Steel Products from Purchased Steel	3,953	0	*	0	3,953
3313	Alumina and Aluminum	11,518	0	279	0	11,797
331314	Secondary Smelting and Alloying of Aluminum	225	0	*	0	225
331315	Aluminum Sheet, Plate and Foils	2,789	0	0	0	2,789
331318	Other Aluminum Rolling, Drawing and Extruding	691	0	0	0	691
3314	Nonferrous Metals, except Aluminum	4,521	0	4	0	4,524
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	3,001	0	*	0	3,001
3315	Foundries	2,404	0	*	*	2,404
331511	Iron Foundries	1,348	0	0	0	1,348
331523	Nonferrous Metal Die-Casting Foundries	436	0	*	*	436
331524	Aluminum Foundries, except Die-Casting	155	0	0	0	155
332	Fabricated Metal Products	7,388	*	*	0	7,388
333	Machinery	10,417	0	Q	0	10,448
334	Computer and Electronic Products	6,895	0	*	*	6,895
334413	Semiconductors and Related Devices	4,022	0	*	*	4,022
335	Electrical Equip., Appliances, and Components	4,330	0	26	0	4,355
336	Transportation Equipment	16,687	*	80	2	16,766
336111	Automobiles	1,749	0	48	1	1,795
336112	Light Trucks and Utility Vehicles	1,970	0	5	0	1,976
3364	Aerospace Product and Parts	3,424	*	25	0	3,449
336411	Aircraft	1,344	*	1	0	1,345
337	Furniture and Related Products	1,764	0	5	0	1,769
339	Miscellaneous	3,052	0	*	0	3,052
	Total	349,522	5,084	95,722	19,732	430,596

West Census Region

311	Food	27,635	2	588	5	28,221
3112	Grain and Oilseed Milling	855	2	32	*	888
311221	Wet Corn Milling	76	0	28	0	105
31131	Sugar Manufacturing	265	0	112	0	377
3114	Fruit and Vegetable Preserving and Specialty Food	3,596	0	50	*	3,645
3115	Dairy Product	3,324	0	66	0	3,390
3116	Animal Slaughtering and Processing	Q	0	Q	0	Q
312	Beverage and Tobacco Products	3,400	0	100	2	3,498
3121	Beverages	3,398	0	100	2	3,496
3122	Tobacco	2	0	0	0	2
313	Textile Mills	234	0	0	0	234
314	Textile Product Mills	163	0	0	0	163
315	Apparel	50	*	2	*	51
316	Leather and Allied Products	17	0	0	0	17
321	Wood Products	4,501	0	1,482	1,028	4,955
321113	Sawmills	1,628	0	1,374	920	2,082
3212	Veneer, Plywood, and Engineered Woods	1,776	0	108	108	1,776
321219	Reconstituted Wood Products	840	0	0	0	840
3219	Other Wood Products	993	0	0	0	993
322	Paper	9,830	0	1,963	1,499	10,295
322110	Pulp Mills	88	0	118	0	206
322121	Paper Mills, except Newsprint	2,658	0	1,055	576	3,137
322122	Newsprint Mills	2,915	0	0	0	2,915
322130	Paperboard Mills	3,028	0	542	868	2,702

323	Printing and Related Support	782	0	Q	*	782
324	Petroleum and Coal Products	9,438	1,040	5,629	1,656	14,451
324110	Petroleum Refineries	8,987	1,039	5,628	1,656	13,998
324121	Asphalt Paving Mixture and Block	279	1	*	0	280
324122	Asphalt Shingle and Coating Materials	124	0	*	0	124
324191	Petroleum Lubricating Oil and Grease Products	19	0	*	0	19
324199	Other Petroleum and Coal Products	30	*	*	0	30
325	Chemicals	12,105	Q	2,154	206	14,139
325110	Petrochemicals	0	0	0	0	0
325120	Industrial Gases	3,906	Q	1,120	1	5,111
325180	Other Basic Inorganic Chemicals	3,310	0	723	56	3,977
325193	Ethyl Alcohol	412	0	1	0	413
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	16	0	85	8	93
325199	Other Basic Organic Chemicals	738	0	*	0	738
325211	Plastics Materials and Resins	292	0	*	0	292
325212	Synthetic Rubber	12	0	*	0	12
325220	Artificial and Synthetic Fibers and Filaments	9	0	0	0	9
325311	Nitrogenous Fertilizers	459	0	0	0	459
325312	Phosphatic Fertilizers	456	0	173	67	562
3254	Pharmaceuticals and Medicines	1,393	0	49	0	1,442
325412	Pharmaceutical Preparation	734	0	49	0	783
325992	Photographic Film, Paper, Plate, and Chemicals	173	0	0	0	173
326	Plastics and Rubber Products	3,370	0	0	0	3,370
327	Nonmetallic Mineral Products	6,173	0	163	Q	6,316
327120	Clay Building Material and Refractories	78	0	0	0	78
327211	Flat Glass	167	0	0	0	167
327212	Other Pressed and Blown Glass and Glassware	78	0	0	0	78
327213	Glass Containers	882	0	0	0	882
327215	Glass Products from Purchased Glass	313	0	3	3	313
327310	Cements	2,265	0	24	0	2,288
327410	Lime	185	0	0	0	185
327420	Gypsum	250	0	Q	0	276
327993	Mineral Wool	519	0	*	0	519
331	Primary Metals	11,983	0	12	1	11,994
331110	Iron and Steel Mills and Ferroalloys	3,338	0	*	0	3,339
3312	Steel Products from Purchased Steel	187	0	*	0	187
3313	Alumina and Aluminum	4,587	0	0	0	4,587
331314	Secondary Smelting and Alloying of Aluminum	230	0	0	0	230
331315	Aluminum Sheet, Plate and Foils	445	0	0	0	445
331318	Other Aluminum Rolling, Drawing and Extruding	247	0	0	0	247
3314	Nonferrous Metals, except Aluminum	3,083	0	*	0	3,084
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2,292	0	*	0	2,292
3315	Foundries	787	0	11	1	798
331511	Iron Foundries	132	0	*	0	132
331523	Nonferrous Metal Die-Casting Foundries	200	0	0	0	200
331524	Aluminum Foundries, except Die-Casting	93	0	0	0	93
332	Fabricated Metal Products	4,135	0	Q	Q	4,325
333	Machinery	1,217	0	Q	Q	1,235
334	Computer and Electronic Products	7,762	Q	Q	Q	7,807
334413	Semiconductors and Related Devices	5,397	0	1	0	5,398
335	Electrical Equip., Appliances, and Components	1,397	0	18	0	1,415
336	Transportation Equipment	4,205	0	19	61	4,164
336111	Automobiles	250	0	*	0	250
336112	Light Trucks and Utility Vehicles	3	0	0	0	3
3364	Aerospace Product and Parts	3,027	0	16	61	2,982
336411	Aircraft	680	0	*	*	680
337	Furniture and Related Products	514	0	0	0	514
339	Miscellaneous	1,004	0	Q	Q	1,008
	Total	109,914	1,132	12,394	4,487	118,953

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

(b) *Transfers In* include quantities delivered from any other establishment(s) in the company, quantities transferred from other establishments of the company for which payment was not made, quantities purchased centrally within the company but separate from the reporting establishment, and quantities for which payment was made in-kind.

(c) *Total Onsite Generation* includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

(d) *Net Demand* is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

* 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 11.1 Relative Standard Errors for Table 11.1;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
Total United States						
311	Food	11.4	4.6	4.8	6.1	11.0
3112	Grain and Oilseed Milling	1.9	0.0	0.1	1.7	1.7
311221	Wet Corn Milling	0.0	X	0.0	0.0	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	6.1	X	6.3	14.4	5.8
3115	Dairy Product	3.3	X	9.7	16.8	3.2
3116	Animal Slaughtering and Processing	31.0	60.1	32.4	82.4	31.0
312	Beverage and Tobacco Products	15.5	X	4.2	38.7	15.3
3121	Beverages	16.4	X	4.5	42.0	16.1
3122	Tobacco	0.0	X	0.0	0.0	0.0
313	Textile Mills	6.1	0.0	24.5	47.1	6.1
314	Textile Product Mills	7.9	X	76.9	74.5	7.9
315	Apparel	11.3	99.4	32.2	32.2	11.3
316	Leather and Allied Products	5.1	X	X	X	5.1
321	Wood Products	2.9	53.4	3.1	0.1	2.8
321113	Sawmills	6.2	X	0.1	0.1	5.8
3212	Veneer, Plywood, and Engineered Woods	1.2	X	0.1	0.0	1.2
321219	Reconstituted Wood Products	1.5	X	0.0	X	1.5
3219	Other Wood Products	5.8	53.4	51.5	27.3	5.7
322	Paper	1.2	0.0	0.1	0.1	0.8
322110	Pulp Mills	0.0	X	0.0	0.0	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0
322122	Newsprint Mills	0.0	X	0.0	X	0.0
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	7.8	X	61.1	87.4	7.8
324	Petroleum and Coal Products	0.5	0.0	0.1	0.0	0.4
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	8.7	0.0	40.5	0.0	8.6
324122	Asphalt Shingle and Coating Materials	1.7	X	1.1	X	1.7
324191	Petroleum Lubricating Oil and Grease Products	18.4	X	0.0	0.0	19.1
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	0.0
325	Chemicals	1.4	10.8	0.3	0.7	1.1
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0
325120	Industrial Gases	3.3	77.3	0.0	0.0	3.2
325180	Other Basic Inorganic Chemicals	2.1	0.0	0.2	0.1	1.4
325193	Ethyl Alcohol	1.9	0.0	1.6	0.0	1.5
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	0.0	0.0
325199	Other Basic Organic Chemicals	5.3	0.0	1.6	2.8	3.6
325211	Plastics Materials and Resins	2.4	X	0.1	0.2	1.5
325212	Synthetic Rubber	0.0	X	0.0	0.0	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	0.0	0.0
325311	Nitrogenous Fertilizers	12.5	X	0.0	0.0	11.4
325312	Phosphatic Fertilizers	0.0	X	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	2.9	0.0	0.2	0.4	2.8
325412	Pharmaceutical Preparation	1.7	0.0	1.6	0.0	1.7
325992	Photographic Film, Paper, Plate, and Chemicals	0.3	X	0.6	0.0	0.3
326	Plastics and Rubber Products	7.7	X	86.0	99.0	7.7
327	Nonmetallic Mineral Products	2.5	99.0	29.0	39.3	2.5
327120	Clay Building Material and Refractories	3.6	0.0	0.0	X	3.6
327211	Flat Glass	0.0	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.6	X	69.1	60.9	0.8
327213	Glass Containers	0.0	X	X	X	0.0
327215	Glass Products from Purchased Glass	1.4	X	3.3	1.4	1.4
327310	Cements	0.4	X	0.0	X	0.3

327410	Lime	0.0	X	0.0	0.0	0.0
327420	Gypsum	2.0	X	54.5	X	2.6
327993	Mineral Wool	0.4	X	0.0	X	0.4
331	Primary Metals	1.1	X	0.1	0.1	1.0
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	17.6	X	11.9	63.3	17.6
3313	Alumina and Aluminum	0.1	X	0.1	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	1.5	X	48.8	X	1.5
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	1.2	X	0.0	X	1.2
3314	Nonferrous Metals, except Aluminum	0.9	X	13.9	71.9	0.9
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.6	X	3.7	0.0	0.6
3315	Foundries	0.9	X	0.8	2.8	0.9
331511	Iron Foundries	1.5	X	0.0	X	1.5
331523	Nonferrous Metal Die-Casting Foundries	1.2	X	0.0	0.0	1.2
331524	Aluminum Foundries, except Die-Casting	1.1	X	0.0	X	1.1
332	Fabricated Metal Products	10.0	70.3	87.7	99.5	10.0
333	Machinery	17.2	X	11.5	9.7	17.1
334	Computer and Electronic Products	6.8	58.8	48.9	20.5	6.7
334413	Semiconductors and Related Devices	3.3	X	2.3	0.0	3.3
335	Electrical Equip., Appliances, and Components	8.8	X	26.1	96.6	8.8
336	Transportation Equipment	9.2	49.7	5.0	3.0	9.1
336111	Automobiles	0.0	X	0.0	0.0	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	0.0
3364	Aerospace Product and Parts	4.2	49.7	0.7	0.0	4.1
336411	Aircraft	10.0	70.8	16.9	0.0	10.0
337	Furniture and Related Products	8.6	99.0	68.3	X	8.9
339	Miscellaneous	11.2	X	55.4	80.5	11.1
	Total	1.8	4.7	0.2	0.4	1.6

Northeast Census Region

311	Food	11.7	63.6	24.8	14.7	11.6
3112	Grain and Oilseed Milling	5.2	X	0.0	X	5.2
311221	Wet Corn Milling	0.0	X	X	X	0.0
31131	Sugar Manufacturing	0.0	X	0.0	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	6.5	X	39.0	32.5	7.3
3115	Dairy Product	4.7	X	9.3	16.8	4.8
3116	Animal Slaughtering and Processing	2.9	74.0	50.4	43.7	3.0
312	Beverage and Tobacco Products	7.1	X	1.7	X	7.0
3121	Beverages	7.2	X	1.7	X	7.1
3122	Tobacco	0.0	X	X	X	0.0
313	Textile Mills	6.3	0.0	26.9	90.8	6.4
314	Textile Product Mills	32.3	X	94.7	X	32.0
315	Apparel	30.5	X	X	X	30.5
316	Leather and Allied Products	8.7	X	X	X	8.7
321	Wood Products	8.5	X	1.0	0.1	8.3
321113	Sawmills	1.9	X	1.7	0.1	1.8
3212	Veneer, Plywood, and Engineered Woods	1.4	X	0.0	X	1.3
321219	Reconstituted Wood Products	0.0	X	0.0	X	0.0
3219	Other Wood Products	15.4	X	13.0	0.0	15.3
322	Paper	6.8	0.0	0.1	0.1	4.1
322110	Pulp Mills	D	X	0.0	0.0	D
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0
322122	Newsprint Mills	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	21.9	X	95.6	X	21.9
324	Petroleum and Coal Products	0.6	X	0.1	X	0.5
324110	Petroleum Refineries	0.0	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	5.9	X	3.9	X	5.9
324122	Asphalt Shingle and Coating Materials	0.0	X	X	X	0.0
324191	Petroleum Lubricating Oil and Grease Products	3.8	X	X	X	3.8
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	0.0
325	Chemicals	3.5	94.0	0.7	0.1	4.1
325110	Petrochemicals	0.0	X	0.0	X	0.0

325120	Industrial Gases	1.5	94.1	X	X	11.4
325180	Other Basic Inorganic Chemicals	1.8	X	X	X	1.8
325193	Ethyl Alcohol	0.0	X	X	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	X	0.0
325199	Other Basic Organic Chemicals	0.7	X	0.1	16.9	0.7
325211	Plastics Materials and Resins	1.8	X	0.5	0.0	1.8
325212	Synthetic Rubber	0.0	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	X	0.0	0.0	0.0
325312	Phosphatic Fertilizers	0.0	X	X	X	0.0
3254	Pharmaceuticals and Medicines	2.8	0.0	0.1	0.0	2.3
325412	Pharmaceutical Preparation	4.0	0.0	0.2	X	4.0
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0	0.0	0.0
326	Plastics and Rubber Products	32.1	X	92.4	99.0	32.0
327	Nonmetallic Mineral Products	14.7	0.0	6.7	26.3	14.4
327120	Clay Building Material and Refractories	4.1	0.0	0.0	X	4.1
327211	Flat Glass	0.0	X	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	1.6	X	80.8	80.9	1.6
327213	Glass Containers	0.0	X	X	X	0.0
327215	Glass Products from Purchased Glass	1.3	X	6.8	28.8	1.3
327310	Cements	0.0	X	X	X	0.0
327410	Lime	0.0	X	0.0	0.0	0.0
327420	Gypsum	0.0	X	0.0	X	0.0
327993	Mineral Wool	0.0	X	0.0	X	0.0
331	Primary Metals	0.6	X	0.2	2.5	0.5
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	7.9	X	12.0	63.3	7.9
3313	Alumina and Aluminum	0.0	X	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	X	X	X	0.0
3314	Nonferrous Metals, except Aluminum	2.9	X	40.1	75.6	2.9
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	0.0
3315	Foundries	2.1	X	0.1	X	2.1
331511	Iron Foundries	1.1	X	0.0	X	1.1
331523	Nonferrous Metal Die-Casting Foundries	12.4	X	X	X	12.4
331524	Aluminum Foundries, except Die-Casting	3.1	X	0.0	X	3.1
332	Fabricated Metal Products	27.0	X	99.4	X	26.9
333	Machinery	21.2	X	47.8	97.5	21.1
334	Computer and Electronic Products	12.3	51.1	46.8	17.3	12.3
334413	Semiconductors and Related Devices	2.2	X	0.0	0.0	2.2
335	Electrical Equip., Appliances, and Components	25.1	X	96.6	96.6	25.1
336	Transportation Equipment	53.9	66.0	0.6	42.5	50.9
336111	Automobiles	0.0	X	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	X	X	0.0
3364	Aerospace Product and Parts	5.3	66.0	0.1	0.0	4.0
336411	Aircraft	0.0	0.0	0.0	X	0.0
337	Furniture and Related Products	25.0	99.0	X	X	25.0
339	Miscellaneous	37.0	X	77.3	99.0	36.7
	Total	5.1	89.1	0.7	0.7	4.7
Midwest Census Region						
311	Food	4.2	X	0.2	0.1	4.1
3112	Grain and Oilseed Milling	1.9	X	0.1	0.0	1.8
311221	Wet Corn Milling	0.0	X	0.0	0.0	0.0
31131	Sugar Manufacturing	0.0	X	0.0	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	15.6	X	64.7	X	15.6
3115	Dairy Product	4.5	X	39.9	X	4.5
3116	Animal Slaughtering and Processing	3.5	X	50.3	64.5	3.5
312	Beverage and Tobacco Products	4.7	X	0.1	X	4.6
3121	Beverages	4.7	X	0.1	X	4.6
3122	Tobacco	0.0	X	X	X	0.0
313	Textile Mills	12.7	X	X	X	12.7
314	Textile Product Mills	41.4	X	X	X	41.4

315	Apparel	40.9	X	X	X	40.9
316	Leather and Allied Products	7.8	X	X	X	7.8
321	Wood Products	6.9	53.4	65.3	0.0	6.9
321113	Sawmills	9.7	X	49.6	0.0	9.6
3212	Veneer, Plywood, and Engineered Woods	1.1	X	0.8	0.0	1.1
321219	Reconstituted Wood Products	0.8	X	0.0	X	0.8
3219	Other Wood Products	11.6	53.4	68.1	X	11.5
322	Paper	4.7	X	0.0	0.0	3.5
322110	Pulp Mills	D	X	X	X	D
322121	Paper Mills, except Newsprint	0.0	X	0.0	0.0	0.0
322122	Newsprint Mills	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	12.5	X	X	X	12.5
324	Petroleum and Coal Products	0.1	X	0.1	0.0	0.1
324110	Petroleum Refineries	0.0	X	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	2.6	X	34.9	0.0	2.6
324122	Asphalt Shingle and Coating Materials	3.4	X	0.0	X	3.4
324191	Petroleum Lubricating Oil and Grease Products	3.6	X	X	X	3.6
324199	Other Petroleum and Coal Products	0.0	X	0.0	0.0	0.0
325	Chemicals	2.6	0.0	0.9	9.4	2.3
325110	Petrochemicals	0.0	X	X	X	0.0
325120	Industrial Gases	3.2	X	X	X	3.2
325180	Other Basic Inorganic Chemicals	0.7	X	38.4	0.0	0.7
325193	Ethyl Alcohol	2.1	0.0	1.6	0.0	1.6
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	X	0.0
325199	Other Basic Organic Chemicals	5.9	0.0	0.1	X	4.2
325211	Plastics Materials and Resins	2.3	X	0.2	36.8	1.7
325212	Synthetic Rubber	0.0	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.1	X	0.0	0.0	0.1
325312	Phosphatic Fertilizers	0.0	X	X	X	0.0
3254	Pharmaceuticals and Medicines	8.4	X	4.3	X	8.3
325412	Pharmaceutical Preparation	1.9	X	0.5	X	1.9
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0	X	0.0
326	Plastics and Rubber Products	12.8	X	95.9	X	12.8
327	Nonmetallic Mineral Products	4.0	X	0.1	X	4.0
327120	Clay Building Material and Refractories	3.6	X	0.0	X	3.6
327211	Flat Glass	0.0	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.9	X	0.0	X	0.9
327213	Glass Containers	0.0	X	X	X	0.0
327215	Glass Products from Purchased Glass	2.6	X	0.0	X	2.6
327310	Cements	0.1	X	X	X	0.1
327410	Lime	0.0	X	X	X	0.0
327420	Gypsum	2.2	X	X	X	2.2
327993	Mineral Wool	0.7	X	0.0	X	0.7
331	Primary Metals	0.2	X	0.1	0.1	0.2
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	1.8	X	0.0	X	1.8
3313	Alumina and Aluminum	0.2	X	0.0	X	0.2
331314	Secondary Smelting and Alloying of Aluminum	3.3	X	X	X	3.3
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	2.5	X	0.0	X	2.5
3314	Nonferrous Metals, except Aluminum	0.9	X	21.3	0.0	0.9
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	0.0	0.0	0.0
3315	Foundries	1.3	X	1.7	87.8	1.3
331511	Iron Foundries	2.2	X	0.0	X	2.2
331523	Nonferrous Metal Die-Casting Foundries	1.5	X	0.0	X	1.5
331524	Aluminum Foundries, except Die-Casting	1.5	X	X	X	1.5
332	Fabricated Metal Products	15.6	99.5	99.5	X	15.6
333	Machinery	13.8	X	4.4	4.8	13.5
334	Computer and Electronic Products	16.0	X	0.7	X	16.0
334413	Semiconductors and Related Devices	11.6	X	0.2	X	11.5
335	Electrical Equip., Appliances, and Components	21.7	X	42.7	X	21.7
336	Transportation Equipment	15.5	X	20.0	X	15.4

336111	Automobiles	0.0	X	0.0	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	0.0
3364	Aerospace Product and Parts	2.5	X	0.0	X	2.5
336411	Aircraft	1.6	X	X	X	1.6
337	Furniture and Related Products	15.5	X	72.5	X	16.3
339	Miscellaneous	15.4	X	86.1	X	15.4
	Total	2.5	0.3	0.5	1.5	2.3
South Census Region						
311	Food	5.8	4.5	0.7	9.0	5.5
3112	Grain and Oilseed Milling	6.2	0.0	0.0	X	5.8
311221	Wet Corn Milling	0.0	X	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	5.4	X	0.2	15.9	4.4
3115	Dairy Product	12.5	X	61.5	X	12.5
3116	Animal Slaughtering and Processing	4.2	78.5	49.8	97.2	4.3
312	Beverage and Tobacco Products	28.4	X	0.8	74.2	28.1
3121	Beverages	31.5	X	1.1	95.4	31.2
3122	Tobacco	0.0	X	0.0	0.0	0.0
313	Textile Mills	6.7	0.0	54.4	54.4	6.7
314	Textile Product Mills	9.4	X	74.5	74.5	9.4
315	Apparel	15.6	X	X	X	15.6
316	Leather and Allied Products	12.6	X	X	X	12.6
321	Wood Products	4.6	X	10.0	0.3	4.6
321113	Sawmills	8.8	X	0.0	0.0	8.8
3212	Veneer, Plywood, and Engineered Woods	1.7	X	0.0	X	1.7
321219	Reconstituted Wood Products	2.3	X	0.0	X	2.2
3219	Other Wood Products	11.0	X	74.2	91.8	11.0
322	Paper	2.4	X	0.0	0.0	1.2
322110	Pulp Mills	0.0	X	0.0	0.0	0.0
322121	Paper Mills, except Newsprint	0.0	X	0.0	0.0	0.0
322122	Newsprint Mills	0.0	X	0.0	X	0.0
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	16.0	X	81.6	96.3	15.9
324	Petroleum and Coal Products	0.9	0.0	0.1	0.0	0.7
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	20.4	X	48.0	0.0	20.2
324122	Asphalt Shingle and Coating Materials	2.8	X	X	X	2.8
324191	Petroleum Lubricating Oil and Grease Products	22.5	X	X	0.0	23.6
324199	Other Petroleum and Coal Products	0.0	X	0.0	0.0	0.0
325	Chemicals	2.1	0.0	0.4	0.5	1.4
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0
325120	Industrial Gases	7.1	X	0.0	0.0	6.5
325180	Other Basic Inorganic Chemicals	3.0	0.0	0.2	0.0	1.8
325193	Ethyl Alcohol	0.0	X	0.0	0.0	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	0.0	0.0
325199	Other Basic Organic Chemicals	7.3	X	1.9	2.8	4.7
325211	Plastics Materials and Resins	2.9	X	0.1	0.0	1.7
325212	Synthetic Rubber	0.0	X	0.0	0.0	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	0.0	0.0
325311	Nitrogenous Fertilizers	22.3	X	0.0	0.0	18.8
325312	Phosphatic Fertilizers	0.0	X	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	2.0	X	0.2	2.6	2.0
325412	Pharmaceutical Preparation	2.5	X	0.1	0.0	2.5
325992	Photographic Film, Paper, Plate, and Chemicals	0.9	X	32.1	X	0.9
326	Plastics and Rubber Products	15.0	X	66.9	X	15.0
327	Nonmetallic Mineral Products	2.7	99.0	71.0	91.9	2.7
327120	Clay Building Material and Refractories	5.3	X	0.0	X	5.3
327211	Flat Glass	0.0	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.6	X	89.9	91.9	1.0
327213	Glass Containers	0.0	X	X	X	0.0
327215	Glass Products from Purchased Glass	1.8	X	0.0	X	1.8
327310	Cements	0.7	X	X	X	0.7
327410	Lime	0.0	X	X	X	0.0

327420	Gypsum	3.3	X	X	X	3.3
327993	Mineral Wool	0.7	X	0.0	X	0.7
331	Primary Metals	2.5	X	0.1	0.0	2.5
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	30.7	X	0.0	X	30.7
3313	Alumina and Aluminum	0.1	X	0.1	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	2.5	X	48.8	X	2.5
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	1.4	X	X	X	1.4
3314	Nonferrous Metals, except Aluminum	1.6	X	0.0	X	1.6
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	0.0	X	0.0
3315	Foundries	1.4	X	0.0	0.0	1.4
331511	Iron Foundries	2.3	X	X	X	2.3
331523	Nonferrous Metal Die-Casting Foundries	1.3	X	0.0	0.0	1.3
331524	Aluminum Foundries, except Die-Casting	2.2	X	X	X	2.2
332	Fabricated Metal Products	21.4	99.5	99.5	X	21.4
333	Machinery	37.4	X	89.7	X	37.3
334	Computer and Electronic Products	19.2	X	0.1	0.0	19.2
334413	Semiconductors and Related Devices	2.9	X	0.0	0.0	2.9
335	Electrical Equip., Appliances, and Components	13.7	X	46.2	X	13.7
336	Transportation Equipment	9.4	73.8	2.8	29.2	9.3
336111	Automobiles	0.0	X	0.0	0.0	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	0.0
3364	Aerospace Product and Parts	11.4	73.8	8.5	X	11.3
336411	Aircraft	19.9	73.8	17.3	X	19.9
337	Furniture and Related Products	17.0	X	43.3	X	16.9
339	Miscellaneous	18.2	X	93.9	X	18.2
	Total	1.9	0.3	0.2	0.3	1.6

West Census Region

311	Food	37.2	0.0	23.1	8.5	36.5
3112	Grain and Oilseed Milling	7.6	0.0	1.5	85.9	7.3
311221	Wet Corn Milling	0.0	X	0.0	X	0.0
31131	Sugar Manufacturing	0.0	X	0.0	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	5.0	X	29.3	0.0	5.0
3115	Dairy Product	3.0	X	11.4	X	2.9
3116	Animal Slaughtering and Processing	73.8	X	64.5	X	73.8
312	Beverage and Tobacco Products	10.6	X	10.8	43.9	10.3
3121	Beverages	10.6	X	10.8	43.9	10.3
3122	Tobacco	0.0	X	X	X	0.0
313	Textile Mills	15.7	X	X	X	15.7
314	Textile Product Mills	42.1	X	X	X	42.1
315	Apparel	26.1	99.4	32.2	32.2	25.5
316	Leather and Allied Products	7.6	X	X	X	7.6
321	Wood Products	3.6	X	0.1	0.0	3.3
321113	Sawmills	2.7	X	0.0	0.0	2.1
3212	Veneer, Plywood, and Engineered Woods	2.5	X	0.0	0.0	2.5
321219	Reconstituted Wood Products	1.0	X	X	X	1.0
3219	Other Wood Products	15.0	X	X	X	15.0
322	Paper	3.1	X	0.0	0.0	2.9
322110	Pulp Mills	0.0	X	0.0	X	0.0
322121	Paper Mills, except Newsprint	0.0	X	0.0	0.0	0.0
322122	Newsprint Mills	0.0	X	X	X	0.0
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	23.8	X	98.1	93.9	23.8
324	Petroleum and Coal Products	0.3	0.0	0.1	0.0	0.2
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	10.4	0.0	0.0	X	10.4
324122	Asphalt Shingle and Coating Materials	3.1	X	13.1	X	3.1
324191	Petroleum Lubricating Oil and Grease Products	0.0	X	0.0	X	0.0
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	X	0.0
325	Chemicals	5.1	88.4	0.6	34.8	4.0
325110	Petrochemicals	X	X	X	X	X
325120	Industrial Gases	4.6	88.4	0.0	0.0	3.7

325180	Other Basic Inorganic Chemicals	1.3	X	1.6	0.7	1.1
325193	Ethyl Alcohol	0.0	X	0.0	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	0.0	0.0
325199	Other Basic Organic Chemicals	4.2	X	83.1	X	4.2
325211	Plastics Materials and Resins	0.8	X	7.3	X	0.8
325212	Synthetic Rubber	0.0	X	0.0	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	X	0.0
325311	Nitrogenous Fertilizers	8.6	X	X	X	8.6
325312	Phosphatic Fertilizers	0.0	X	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	6.5	X	2.4	X	6.3
325412	Pharmaceutical Preparation	8.3	X	2.4	X	7.8
325992	Photographic Film, Paper, Plate, and Chemicals	0.1	X	X	X	0.1
326	Plastics and Rubber Products	32.6	X	X	X	32.6
327	Nonmetallic Mineral Products	9.0	X	46.9	84.6	8.9
327120	Clay Building Material and Refractories	2.0	X	X	X	2.0
327211	Flat Glass	0.0	X	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	11.1	X	X	X	11.1
327213	Glass Containers	0.0	X	X	X	0.0
327215	Glass Products from Purchased Glass	1.8	X	0.0	0.0	1.8
327310	Cements	0.8	X	0.0	X	0.7
327410	Lime	0.0	X	X	X	0.0
327420	Gypsum	2.5	X	87.6	X	10.4
327993	Mineral Wool	1.3	X	0.0	X	1.3
331	Primary Metals	0.6	X	0.1	0.0	0.6
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	0.0
3312	Steel Products from Purchased Steel	7.8	X	0.0	X	7.8
3313	Alumina and Aluminum	0.2	X	X	X	0.2
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	4.4	X	X	X	4.4
3314	Nonferrous Metals, except Aluminum	2.1	X	1.7	X	2.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1.9	X	4.3	X	1.9
3315	Foundries	1.8	X	0.0	0.0	1.8
331511	Iron Foundries	0.5	X	0.0	X	0.5
331523	Nonferrous Metal Die-Casting Foundries	1.3	X	X	X	1.3
331524	Aluminum Foundries, except Die-Casting	2.5	X	X	X	2.5
332	Fabricated Metal Products	27.5	X	99.5	99.5	27.9
333	Machinery	24.0	X	94.6	99.0	23.7
334	Computer and Electronic Products	6.7	96.8	70.1	99.0	6.8
334413	Semiconductors and Related Devices	6.3	X	19.3	X	6.3
335	Electrical Equip., Appliances, and Components	22.5	X	0.0	X	22.2
336	Transportation Equipment	11.0	X	12.5	0.0	11.1
336111	Automobiles	0.0	X	0.0	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	X	X	0.0
3364	Aerospace Product and Parts	2.3	X	0.0	0.0	2.4
336411	Aircraft	6.7	X	0.0	0.0	6.7
337	Furniture and Related Products	26.7	X	X	X	26.7
339	Miscellaneous	23.6	X	69.2	68.7	23.5
	Total	9.5	6.7	2.0	1.6	8.8

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

(b) *Transfers In* include quantities delivered from any other establishment(s) in the company, quantities transferred from other establishments of the company for which payment was not made, quantities purchased centrally within the company but separate from the reporting establishment, and quantities for which payment was made in-kind.

(c) *Total Onsite Generation* includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

(d) *Net Demand* is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

* 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: CDRR-EX30-260)

(Αρροναί ΙΔ: ΛΒΥΚΒ-ΓΥΖΟ-ΖΒΟ).