

Released: August 2025

Next MECS will be fielded in 2027

Table 11.1 Electricity: components of net demand, 2022

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	79,637	246	7,372	421	86,835
3112	Grain and Oilseed Milling	17,667	46	4,122	15	21,820
311221	Wet Corn Milling and Starch Manufacturing	7,876	0	1,833	0	9,708
31131	Sugar Manufacturing	1,550	185	1,631	146	3,221
3114	Fruit and Vegetable Preserving and Specialty Food	8,905	15	748	24	9,644
3115	Dairy Product Manufacturing	13,111	0	325	41	13,396
3116	Animal Slaughtering and Processing	22,323	0	210	Q	22,338
312	Beverage and Tobacco Products	14,822	*	251	30	15,044
3121	Beverages	14,100	*	224	30	14,295
3122	Tobacco	722	0	27	*	749
313	Textile Mills	8,673	0	215	*	8,887
314	Textile Product Mills	2,983	0	Q	Q	3,154
315	Apparel	510	Q	Q	Q	542
316	Leather and Allied Products	240	0	2	0	243
321	Wood Products	21,454	*	2,271	1,329	22,396
321113	Sawmills	9,077	*	1,603	1,212	9,469
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	5,639	0	407	100	5,947
321219	Reconstituted Wood Products	2,906	0	252	0	3,158
3219	Other Wood Products	6,223	*	260	Q	6,466
322	Paper	54,384	4	47,281	5,027	96,642
322110	Pulp Mills	2,203	0	18,391	921	19,673
322120	Paper Mills	17,530	0	9,413	1,513	25,430
322130	Paperboard Mills	19,959	4	16,922	2,246	34,640
323	Printing and Related Support	9,160	0	Q	Q	9,529
324	Petroleum and Coal Products	50,583	2,572	23,016	6,640	69,531
324110	Petroleum Refineries	46,771	2,572	21,719	5,538	65,523
324121	Asphalt Paving Mixture and Block	1,500	0	151	2	1,648
324122	Asphalt Shingle and Coating Materials	824	0	5	0	829
324191	Petroleum Lubricating Oil and Grease Manufacturing	800	0	5	85	720
324199	All Other Petroleum and Coal Products Manufacturing	688	0	1,136	1,014	810
325	Chemicals	164,097	1,341	60,426	15,770	210,095
325110	Petrochemicals	8,410	648	4,437	1,178	12,317
325120	Industrial Gases	27,999	0	3,806	1,427	30,377
325180	Other Basic Inorganic Chemical Manufacturing	26,845	Q	13,553	1,242	39,266
325193	Ethyl Alcohol	10,764	0	821	Q	11,569
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	5,844	0	1	1,059	4,787
325199	All Other Basic Organic Chemical Manufacturing	19,214	566	5,285	1,079	23,986
325211	Plastics Materials and Resins	20,617	0	27,324	8,739	39,201
325212	Synthetic Rubber	1,278	0	365	39	1,604
325220	Artificial and Synthetic Fibers and Filaments	2,384	0	179	0	2,563
325311	Nitrogenous Fertilizers	5,248	*	389	30	5,607
325312	Phosphatic Fertilizers	2,857	*	632	65	3,424
3254	Pharmaceuticals and Medicines	13,398	Q	559	12	13,954
325412	Pharmaceutical Preparation	6,453	0	237	5	6,685
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	708	0	2	3	707
326	Plastics and Rubber Products	70,388	Q	910	Q	71,359
327	Nonmetallic Mineral Products	61,865	*	671	78	62,458
327120	Clay Building Material and Refractories	1,486	0	*	0	1,487
327211	Flat Glass	1,572	0	Q	*	1,576
327212	Other Pressed and Blown Glass and Glassware	1,919	0	Q	10	1,913
327213	Glass Containers	3,449	0	47	0	3,497
327215	Glass Products from Purchased Glass	3,708	0	34	4	3,737
327310	Cements	13,007	0	29	0	13,035
327410	Lime	1,371	0	*	0	1,371
327420	Gypsum	1,826	0	217	3	2,041
327993	Mineral Wool	4,140	0	94	33	4,201
331	Primary Metals	99,753	*	4,920	302	104,372
331110	Iron and Steel Mills and Ferroalloys	54,761	0	3,997	261	58,498
3312	Steel Products from Purchased Steel	5,582	0	94	36	5,640
3313	Alumina and Aluminum Production and Processing	19,795	*	480	3	20,272
331314	Secondary Smelting and Alloying of Aluminum	552	0	16	3	565
331315	Aluminum Sheet, Plate and Foils	6,166	0	216	0	6,382
331318	Other Aluminum Rolling, Drawing and Extruding	2,069	*	12	*	2,082
3314	Nonferrous Metal (except Aluminum) Production and Processing	9,800	0	270	Q	10,069
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	4,523	0	171	0	4,694
3315	Foundries	9,815	0	78	1	9,892
331511	Iron Foundries	4,712	0	56	0	4,768
331523	Nonferrous Metal Die-Casting Foundries	2,031	0	Q	0	2,032

331524	Aluminum Foundries, except Die-Casting	566	0	4	0	570
332	Fabricated Metal Products	42,093	0	348	Q	42,069
333	Machinery	21,997	0	476	Q	22,442
334	Computer and Electronic Products	27,584	0	1,237	Q	28,801
334413	Semiconductors and Related Devices	13,631	0	584	0	14,215
335	Electrical Equip., Appliances, and Components	11,784	0	7	0	11,790
336	Transportation Equipment	46,226	Q	1,152	61	47,451
336110	Automobile and Light Duty Motor Vehicle Manufacturing	7,991	0	186	52	8,124
3364	Aerospace Product and Parts	9,562	1	296	3	9,857
336411	Aircraft	2,648	0	71	2	2,717
337	Furniture and Related Products	Q	0	80	Q	Q
339	Miscellaneous	9,632	*	156	Q	9,782
	Total	807,089	4,383	151,366	30,129	932,709

Northeast Census Region

311	Food	7,449	*	111	2	7,559
3112	Grain and Oilseed Milling	459	0	*	0	459
311221	Wet Corn Milling and Starch Manufacturing	0	0	0	0	0
31131	Sugar Manufacturing	207	0	0	0	207
3114	Fruit and Vegetable Preserving and Specialty Food	823	0	51	1	873
3115	Dairy Product Manufacturing	1,898	0	Q	0	1,898
3116	Animal Slaughtering and Processing	1,173	0	49	1	1,221
312	Beverage and Tobacco Products	1,732	0	45	Q	1,771
3121	Beverages	1,713	0	43	Q	1,750
3122	Tobacco	19	0	2	*	21
313	Textile Mills	496	0	211	*	707
314	Textile Product Mills	Q	0	Q	Q	Q
315	Apparel	63	Q	Q	Q	85
316	Leather and Allied Products	33	0	*	0	34
321	Wood Products	1,367	0	154	Q	1,505
321113	Sawmills	473	0	16	0	489
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	162	0	100	Q	261
321219	Reconstituted Wood Products	116	0	98	0	214
3219	Other Wood Products	682	0	Q	Q	705
322	Paper	6,790	0	14,183	891	20,082
322110	Pulp Mills	63	0	D	117	D
322120	Paper Mills	3,125	0	3,095	608	5,612
322130	Paperboard Mills	1,114	0	170	5	1,278
323	Printing and Related Support	1,849	0	Q	0	2,064
324	Petroleum and Coal Products	2,301	0	347	13	2,636
324110	Petroleum Refineries	1,750	0	344	13	2,081
324121	Asphalt Paving Mixture and Block	364	0	2	0	366
324122	Asphalt Shingle and Coating Materials	44	0	*	0	44
324191	Petroleum Lubricating Oil and Grease Manufacturing	35	0	1	*	35
324199	All Other Petroleum and Coal Products Manufacturing	108	0	0	0	108
325	Chemicals	19,062	0	283	14	19,331
325110	Petrochemicals	248	0	0	0	248
325120	Industrial Gases	9,773	0	23	0	9,796
325180	Other Basic Inorganic Chemical Manufacturing	1,450	0	0	0	1,450
325193	Ethyl Alcohol	78	0	0	0	78
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	4	0	1	0	5
325199	All Other Basic Organic Chemical Manufacturing	1,450	0	15	0	1,464
325211	Plastics Materials and Resins	1,155	0	30	2	1,183
325212	Synthetic Rubber	16	0	0	0	16
325220	Artificial and Synthetic Fibers and Filaments	29	0	*	0	29
325311	Nitrogenous Fertilizers	6	0	0	0	6
325312	Phosphatic Fertilizers	3	0	0	0	3
3254	Pharmaceuticals and Medicines	3,100	0	214	9	3,306
325412	Pharmaceutical Preparation	1,378	0	33	2	1,409
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	336	0	*	3	333
326	Plastics and Rubber Products	7,306	0	Q	Q	8,018
327	Nonmetallic Mineral Products	3,632	0	112	16	3,728
327120	Clay Building Material and Refractories	178	0	*	0	178
327211	Flat Glass	251	0	*	*	251
327212	Other Pressed and Blown Glass and Glassware	354	0	Q	10	349
327213	Glass Containers	466	0	0	0	466
327215	Glass Products from Purchased Glass	258	0	13	3	268
327310	Cements	1,014	0	0	0	1,014
327410	Lime	78	0	0	0	78
327420	Gypsum	297	0	90	3	385
327993	Mineral Wool	134	0	3	*	137
331	Primary Metals	10,475	0	771	52	11,194
331110	Iron and Steel Mills and Ferroalloys	4,256	0	659	18	4,897
3312	Steel Products from Purchased Steel	867	0	39	Q	873
3313	Alumina and Aluminum Production and Processing	2,859	0	*	0	2,859
331314	Secondary Smelting and Alloying of Aluminum	16	0	*	0	16
331315	Aluminum Sheet, Plate and Foils	517	0	0	0	517
331318	Other Aluminum Rolling, Drawing and Extruding	242	0	0	0	242
3314	Nonferrous Metal (except Aluminum) Production and Processing	1,617	0	36	Q	1,652
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	302	0	0	0	302
3315	Foundries	876	0	38	0	914

331511	Iron Foundries	393	0	37	0	430
331523	Nonferrous Metal Die-Casting Foundries	77	0	0	0	77
331524	Aluminum Foundries, except Die-Casting	74	0	1	0	74
332	Fabricated Metal Products	6,841	0	Q	Q	6,948
333	Machinery	1,814	0	Q	Q	1,860
334	Computer and Electronic Products	4,283	0	415	Q	4,679
334413	Semiconductors and Related Devices	2,319	0	369	0	2,688
335	Electrical Equip., Appliances, and Components	2,090	0	6	0	2,096
336	Transportation Equipment	3,520	0	259	9	3,771
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	0	0	0	*
3364	Aerospace Product and Parts	966	0	254	3	1,216
336411	Aircraft	201	0	71	2	270
337	Furniture and Related Products	348	0	0	0	348
339	Miscellaneous	736	0	Q	Q	822
	Total	82,274	Q	18,144	1,068	99,373

Midwest Census Region

311	Food	35,812	15	4,059	39	39,847
3112	Grain and Oilseed Milling	13,259	0	3,745	15	16,988
311221	Wet Corn Milling and Starch Manufacturing	7,594	0	1,743	0	9,337
31131	Sugar Manufacturing	643	0	279	22	901
3114	Fruit and Vegetable Preserving and Specialty Food	2,662	15	17	2	2,691
3115	Dairy Product Manufacturing	5,327	0	1	0	5,328
3116	Animal Slaughtering and Processing	8,798	0	4	*	8,803
312	Beverage and Tobacco Products	2,813	*	1	0	2,815
3121	Beverages	2,811	*	1	0	2,813
3122	Tobacco	2	0	0	0	2
313	Textile Mills	216	0	0	0	216
314	Textile Product Mills	323	0	0	0	323
315	Apparel	60	0	0	0	60
316	Leather and Allied Products	101	0	0	0	101
321	Wood Products	2,899	*	88	*	2,986
321113	Sawmills	428	*	Q	0	437
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	899	0	6	0	905
321219	Reconstituted Wood Products	551	0	*	0	551
3219	Other Wood Products	1,502	*	Q	*	1,575
322	Paper	11,295	0	3,945	154	15,086
322110	Pulp Mills	258	0	D	14	D
322120	Paper Mills	3,386	0	2,331	137	5,580
322130	Paperboard Mills	3,349	0	334	0	3,683
323	Printing and Related Support	3,860	0	Q	0	3,862
324	Petroleum and Coal Products	11,020	0	2,043	746	12,317
324110	Petroleum Refineries	10,019	0	1,267	90	11,196
324121	Asphalt Paving Mixture and Block	283	0	117	*	399
324122	Asphalt Shingle and Coating Materials	255	0	*	0	255
324191	Petroleum Lubricating Oil and Grease Manufacturing	205	0	3	0	208
324199	All Other Petroleum and Coal Products Manufacturing	258	0	656	656	258
325	Chemicals	42,552	28	1,997	73	44,504
325110	Petrochemicals	52	0	0	0	52
325120	Industrial Gases	6,755	0	0	0	6,755
325180	Other Basic Inorganic Chemical Manufacturing	2,165	20	*	27	2,158
325193	Ethyl Alcohol	10,155	0	804	Q	10,943
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	265	0	0	*	265
325199	All Other Basic Organic Chemical Manufacturing	3,385	0	1	0	3,386
325211	Plastics Materials and Resins	3,303	0	812	4	4,111
325212	Synthetic Rubber	79	0	0	0	79
325220	Artificial and Synthetic Fibers and Filaments	60	0	0	0	60
325311	Nitrogenous Fertilizers	2,158	*	2	26	2,134
325312	Phosphatic Fertilizers	1,268	0	0	0	1,268
3254	Pharmaceuticals and Medicines	5,053	0	97	*	5,150
325412	Pharmaceutical Preparation	2,109	0	7	0	2,116
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	35	0	0	0	35
326	Plastics and Rubber Products	29,793	0	Q	0	29,794
327	Nonmetallic Mineral Products	14,141	*	Q	27	14,396
327120	Clay Building Material and Refractories	240	0	*	0	240
327211	Flat Glass	493	0	*	0	494
327212	Other Pressed and Blown Glass and Glassware	387	0	*	0	388
327213	Glass Containers	987	0	0	0	987
327215	Glass Products from Purchased Glass	1,487	0	18	0	1,505
327310	Cements	3,316	0	0	0	3,316
327410	Lime	466	0	0	0	466
327420	Gypsum	268	0	44	0	311
327993	Mineral Wool	2,024	0	0	0	2,024
331	Primary Metals	35,275	0	3,404	242	38,437
331110	Iron and Steel Mills and Ferroalloys	20,638	0	3,339	239	23,737
3312	Steel Products from Purchased Steel	2,154	0	24	0	2,178
3313	Alumina and Aluminum Production and Processing	4,699	0	17	3	4,713
331314	Secondary Smelting and Alloying of Aluminum	D	0	16	3	D
331315	Aluminum Sheet, Plate and Foils	2,384	0	0	0	2,384
331318	Other Aluminum Rolling, Drawing and Extruding	722	0	Q	0	723
3314	Nonferrous Metal (except Aluminum) Production and Processing	1,594	0	0	0	1,594

331410	Nonferrous Metal (except Aluminum) Smelting and Refining	113	0	0	0	113
3315	Foundries	6,189	0	24	0	6,214
331511	Iron Foundries	3,078	0	17	0	3,095
331523	Nonferrous Metal Die-Casting Foundries	1,250	0	0	0	1,250
331524	Aluminum Foundries, except Die-Casting	376	0	2	0	378
332	Fabricated Metal Products	14,561	0	40	Q	14,238
333	Machinery	11,882	0	107	Q	11,987
334	Computer and Electronic Products	Q	0	Q	0	Q
334413	Semiconductors and Related Devices	522	0	0	0	522
335	Electrical Equip., Appliances, and Components	3,725	0	*	0	3,725
336	Transportation Equipment	22,741	Q	Q	4	23,573
336110	Automobile and Light Duty Motor Vehicle Manufacturing	3,798	0	68	4	3,862
3364	Aerospace Product and Parts	2,412	0	Q	0	2,425
336411	Aircraft	509	0	0	0	509
337	Furniture and Related Products	1,929	0	42	0	1,971
339	Miscellaneous	4,552	0	Q	0	4,557
	Total	257,026	Q	17,085	1,650	272,639

South Census Region

311	Food	23,276	232	2,405	378	25,534
3112	Grain and Oilseed Milling	3,198	46	366	0	3,610
311221	Wet Corn Milling and Starch Manufacturing	265	0	89	0	354
31131	Sugar Manufacturing	407	185	1,190	124	1,658
3114	Fruit and Vegetable Preserving and Specialty Food	2,102	0	584	19	2,667
3115	Dairy Product Manufacturing	1,967	0	203	41	2,129
3116	Animal Slaughtering and Processing	10,660	0	Q	Q	10,527
312	Beverage and Tobacco Products	7,495	0	92	Q	7,575
3121	Beverages	6,797	0	67	Q	6,852
3122	Tobacco	698	0	25	0	723
313	Textile Mills	7,649	0	2	*	7,651
314	Textile Product Mills	2,370	0	Q	0	2,493
315	Apparel	343	0	Q	0	350
316	Leather and Allied Products	83	0	Q	0	84
321	Wood Products	11,646	0	422	63	12,005
321113	Sawmills	5,091	0	66	46	5,112
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	3,013	0	217	15	3,215
321219	Reconstituted Wood Products	1,797	0	154	0	1,950
3219	Other Wood Products	3,238	0	138	2	3,374
322	Paper	27,573	0	26,630	2,045	52,158
322110	Pulp Mills	1,795	0	D	790	D
322120	Paper Mills	6,831	0	3,239	242	9,828
322130	Paperboard Mills	11,989	0	15,149	1,013	26,126
323	Printing and Related Support	2,637	0	Q	0	2,768
324	Petroleum and Coal Products	29,866	2,572	12,837	4,456	40,820
324110	Petroleum Refineries	28,138	2,572	12,329	4,012	39,026
324121	Asphalt Paving Mixture and Block	518	0	28	0	546
324122	Asphalt Shingle and Coating Materials	398	0	*	0	398
324191	Petroleum Lubricating Oil and Grease Manufacturing	540	0	0	85	455
324199	All Other Petroleum and Coal Products Manufacturing	272	0	480	358	394
325	Chemicals	90,761	747	55,782	14,465	132,826
325110	Petrochemicals	8,111	648	4,437	1,178	12,017
325120	Industrial Gases	8,506	0	2,396	1,427	9,475
325180	Other Basic Inorganic Chemical Manufacturing	19,289	Q	13,004	601	31,781
325193	Ethyl Alcohol	293	0	0	0	293
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	5,387	0	*	1,059	4,329
325199	All Other Basic Organic Chemical Manufacturing	13,782	0	5,266	544	18,503
325211	Plastics Materials and Resins	15,828	0	26,480	8,733	33,575
325212	Synthetic Rubber	1,155	0	364	38	1,481
325220	Artificial and Synthetic Fibers and Filaments	2,294	0	179	0	2,473
325311	Nitrogenous Fertilizers	2,429	0	387	4	2,812
325312	Phosphatic Fertilizers	1,272	0	461	1	1,732
3254	Pharmaceuticals and Medicines	3,531	Q	23	3	3,560
325412	Pharmaceutical Preparation	1,987	0	7	3	1,991
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	184	0	2	0	186
326	Plastics and Rubber Products	28,132	Q	Q	0	28,369
327	Nonmetallic Mineral Products	32,669	0	147	33	32,782
327120	Clay Building Material and Refractories	1,011	0	0	0	1,011
327211	Flat Glass	638	0	Q	0	642
327212	Other Pressed and Blown Glass and Glassware	1,096	0	0	0	1,096
327213	Glass Containers	1,121	0	0	0	1,121
327215	Glass Products from Purchased Glass	1,673	0	0	0	1,673
327310	Cements	5,497	0	0	0	5,497
327410	Lime	652	0	*	0	653
327420	Gypsum	953	0	53	0	1,006
327993	Mineral Wool	1,454	0	89	33	1,510
331	Primary Metals	48,060	0	614	6	48,668
331110	Iron and Steel Mills and Ferroalloys	27,783	0	*	3	27,780
3312	Steel Products from Purchased Steel	2,028	0	29	Q	2,054
3313	Alumina and Aluminum Production and Processing	11,337	0	452	0	11,790
331314	Secondary Smelting and Alloying of Aluminum	D	0	*	0	D
331315	Aluminum Sheet, Plate and Foils	2,665	0	216	0	2,882

331318	Other Aluminum Rolling, Drawing and Extruding	839	0	0	0	839
3314	Nonferrous Metal (except Aluminum) Production and Processing	4,679	0	131	0	4,811
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2,777	0	69	0	2,845
3315	Foundries	2,233	0	2	0	2,234
331511	Iron Foundries	1,116	0	1	0	1,117
331523	Nonferrous Metal Die-Casting Foundries	612	0	*	0	612
331524	Aluminum Foundries, except Die-Casting	87	0	*	0	87
332	Fabricated Metal Products	13,750	0	Q	Q	13,788
333	Machinery	6,070	0	256	Q	6,300
334	Computer and Electronic Products	7,560	0	Q	0	7,651
334413	Semiconductors and Related Devices	5,437	0	Q	0	5,527
335	Electrical Equip., Appliances, and Components	5,248	0	*	0	5,248
336	Transportation Equipment	15,954	0	172	49	16,077
336110	Automobile and Light Duty Motor Vehicle Manufacturing	3,796	0	117	49	3,864
3364	Aerospace Product and Parts	3,163	0	28	*	3,192
336411	Aircraft	1,107	0	*	*	1,107
337	Furniture and Related Products	Q	0	Q	0	Q
339	Miscellaneous	2,824	0	Q	0	2,828
	Total	370,561	3,612	99,949	21,533	452,588

West Census Region

311	Food	13,100	0	797	Q	13,896
3112	Grain and Oilseed Milling	751	0	12	0	763
311221	Wet Corn Milling and Starch Manufacturing	17	0	0	0	17
31131	Sugar Manufacturing	293	0	162	*	456
3114	Fruit and Vegetable Preserving and Specialty Food	3,319	0	Q	Q	3,413
3115	Dairy Product Manufacturing	3,920	0	120	0	4,040
3116	Animal Slaughtering and Processing	1,691	0	Q	*	1,787
312	Beverage and Tobacco Products	2,781	*	113	12	2,882
3121	Beverages	2,779	*	113	12	2,880
3122	Tobacco	2	0	0	0	2
313	Textile Mills	311	0	Q	*	312
314	Textile Product Mills	203	0	0	0	203
315	Apparel	44	0	Q	*	47
316	Leather and Allied Products	23	0	1	0	24
321	Wood Products	5,543	0	1,608	1,251	5,900
321113	Sawmills	3,084	0	1,512	1,166	3,431
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1,565	0	84	84	1,565
321219	Reconstituted Wood Products	443	0	0	0	443
3219	Other Wood Products	801	0	Q	Q	811
322	Paper	8,726	4	2,523	1,937	9,315
322110	Pulp Mills	87	0	99	0	186
322120	Paper Mills	4,189	0	748	527	4,410
322130	Paperboard Mills	3,507	4	1,269	1,227	3,553
323	Printing and Related Support	814	0	Q	Q	835
324	Petroleum and Coal Products	7,396	0	7,789	1,426	13,758
324110	Petroleum Refineries	6,863	0	7,779	1,423	13,219
324121	Asphalt Paving Mixture and Block	335	0	4	2	337
324122	Asphalt Shingle and Coating Materials	126	0	5	0	131
324191	Petroleum Lubricating Oil and Grease Manufacturing	21	0	*	0	21
324199	All Other Petroleum and Coal Products Manufacturing	50	0	0	1	50
325	Chemicals	11,722	566	2,363	1,218	13,433
325110	Petrochemicals	*	0	0	0	*
325120	Industrial Gases	2,964	0	1,387	0	4,351
325180	Other Basic Inorganic Chemical Manufacturing	3,941	0	549	614	3,875
325193	Ethyl Alcohol	238	0	17	0	255
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	189	0	0	0	189
325199	All Other Basic Organic Chemical Manufacturing	597	566	5	535	633
325211	Plastics Materials and Resins	331	0	1	0	332
325212	Synthetic Rubber	27	0	1	1	27
325220	Artificial and Synthetic Fibers and Filaments	1	0	0	0	1
325311	Nitrogenous Fertilizers	654	0	*	*	654
325312	Phosphatic Fertilizers	314	*	171	65	420
3254	Pharmaceuticals and Medicines	1,713	0	225	*	1,939
325412	Pharmaceutical Preparation	979	0	190	0	1,168
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	154	0	0	0	154
326	Plastics and Rubber Products	5,156	0	Q	0	5,177
327	Nonmetallic Mineral Products	11,423	0	130	Q	11,551
327120	Clay Building Material and Refractories	57	0	*	0	57
327211	Flat Glass	190	0	0	0	190
327212	Other Pressed and Blown Glass and Glassware	81	0	0	0	81
327213	Glass Containers	876	0	47	0	924
327215	Glass Products from Purchased Glass	290	0	3	Q	291
327310	Cements	3,180	0	29	0	3,208
327410	Lime	174	0	*	0	174
327420	Gypsum	308	0	31	0	339
327993	Mineral Wool	529	0	1	*	530
331	Primary Metals	5,943	*	131	2	6,073
331110	Iron and Steel Mills and Ferroalloys	2,084	0	*	0	2,084
3312	Steel Products from Purchased Steel	532	0	Q	0	535
3313	Alumina and Aluminum Production and Processing	900	*	12	*	911

331314	Secondary Smelting and Alloying of Aluminum	35	0	0	0	35
331315	Aluminum Sheet, Plate and Foils	599	0	0	0	599
331318	Other Aluminum Rolling, Drawing and Extruding	266	*	12	*	277
3314	Nonferrous Metal (except Aluminum) Production and Processing	1,910	0	102	0	2,012
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1,332	0	102	0	1,434
3315	Foundries	517	0	14	1	530
331511	Iron Foundries	125	0	*	0	125
331523	Nonferrous Metal Die-Casting Foundries	92	0	Q	0	93
331524	Aluminum Foundries, except Die-Casting	30	0	1	0	31
332	Fabricated Metal Products	6,942	0	Q	Q	7,096
333	Machinery	2,231	0	Q	*	2,294
334	Computer and Electronic Products	8,265	0	364	Q	8,627
334413	Semiconductors and Related Devices	5,353	0	Q	0	5,478
335	Electrical Equip., Appliances, and Components	721	0	*	0	722
336	Transportation Equipment	4,010	1	Q	0	4,031
336110	Automobile and Light Duty Motor Vehicle Manufacturing	397	0	1	0	397
3364	Aerospace Product and Parts	3,021	1	1	0	3,023
336411	Aircraft	831	0	0	0	831
337	Furniture and Related Products	352	0	Q	Q	357
339	Miscellaneous	1,520	*	Q	Q	1,575
	Total	97,228	572	16,187	5,878	108,109

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey

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

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

^b *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 (RSE) is greater than 50%.

NA=Not available.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CDBRB-FY25-0054).

RSE Table 11.1 Relative standard errors for table 11.1
Unit: Percentage

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	3.2	2.7	2.8	27.0	2.9
3112	Grain and Oilseed Milling	2.9	0.0	0.6	0.0	2.4
311221	Wet Corn Milling and Starch Manufacturing	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	3.0	46.2	9.3	6.9	3.0
3115	Dairy Product Manufacturing	4.0	X	7.5	0.0	3.9
3116	Animal Slaughtering and Processing	4.0	X	39.4	58.3	4.0
312	Beverage and Tobacco Products	17.9	57.8	12.5	29.4	17.6
3121	Beverages	18.8	57.8	14.0	29.4	18.5
3122	Tobacco	0.0	X	0.0	0.0	0.0
313	Textile Mills	6.5	X	0.6	68.8	6.4
314	Textile Product Mills	13.3	X	73.7	99.3	14.2
315	Apparel	10.5	99.1	70.5	99.1	11.2
316	Leather and Allied Products	4.9	X	46.8	X	4.9
321	Wood Products	6.1	82.7	2.3	0.7	5.9
321113	Sawmills	1.9	85.6	0.7	0.0	1.8
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	2.7	X	1.2	0.6	2.6
321219	Reconstituted Wood Products	3.2	X	1.8	X	3.0
3219	Other Wood Products	20.8	86.6	19.2	52.1	20.0
322	Paper	2.4	0.0	0.6	2.2	1.3
322110	Pulp Mills	0.0	X	0.0	0.0	0.0
322120	Paper Mills	0.0	X	0.0	0.0	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	12.3	X	62.5	99.0	12.5
324	Petroleum and Coal Products	0.1	0.0	0.1	0.1	0.1
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	3.9	X	9.4	28.9	3.6
324122	Asphalt Shingle and Coating Materials	1.1	X	0.0	X	1.1
324191	Petroleum Lubricating Oil and Grease Manufacturing	1.6	X	11.3	0.0	1.8
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	0.0	0.0
325	Chemicals	3.1	5.0	0.5	1.2	2.4
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0
325120	Industrial Gases	16.0	X	0.0	0.0	14.7
325180	Other Basic Inorganic Chemical Manufacturing	2.7	60.1	0.1	4.0	1.9
325193	Ethyl Alcohol	2.6	X	6.6	56.8	2.4
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	0.0	0.0
325199	All Other Basic Organic Chemical Manufacturing	2.4	0.0	1.8	1.6	2.0
325211	Plastics Materials and Resins	4.0	X	0.1	0.1	2.1
325212	Synthetic Rubber	0.5	X	0.0	0.0	0.4
325220	Artificial and Synthetic Fibers and Filaments	2.2	X	0.0	X	2.0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	5.1	96.1	14.7	2.4	5.0
325412	Pharmaceutical Preparation	4.8	X	34.0	0.0	5.1
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	0.0	0.0
326	Plastics and Rubber Products	18.6	99.0	41.5	83.5	18.4
327	Nonmetallic Mineral Products	26.5	0.0	32.2	4.7	26.3
327120	Clay Building Material and Refractories	2.5	X	0.0	X	2.5
327211	Flat Glass	1.2	X	73.0	0.0	1.2
327212	Other Pressed and Blown Glass and Glassware	0.7	X	70.7	33.4	0.7
327213	Glass Containers	0.1	X	0.0	X	0.1
327215	Glass Products from Purchased Glass	2.1	X	3.5	32.0	2.1
327310	Cements	6.1	X	0.0	X	6.1
327410	Lime	0.0	X	0.0	X	0.0
327420	Gypsum	3.7	X	0.0	0.0	3.3
327993	Mineral Wool	13.1	X	0.0	0.0	13.0
331	Primary Metals	0.2	87.7	1.0	5.7	0.2
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	3.4	X	18.4	47.8	3.4
3313	Alumina and Aluminum Production and Processing	0.2	87.7	0.2	11.4	0.2
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	0.0	0.0

331315	Aluminum Sheet, Plate and Foils	0.5	X	0.0	X	0.4
331318	Other Aluminum Rolling, Drawing and Extruding	1.4	87.7	6.4	87.7	1.4
3314	Nonferrous Metal (except Aluminum) Production and Processing	0.9	X	16.7	92.6	1.2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	X	0.0	X	0.1
3315	Foundries	1.3	X	6.6	0.0	1.3
331511	Iron Foundries	2.3	X	1.8	X	2.2
331523	Nonferrous Metal Die-Casting Foundries	2.3	X	56.8	X	2.3
331524	Aluminum Foundries, except Die-Casting	3.5	X	7.2	X	3.5
332	Fabricated Metal Products	15.4	X	31.6	77.0	15.4
333	Machinery	11.1	X	30.1	79.3	11.0
334	Computer and Electronic Products	15.3	X	31.4	86.9	14.8
334413	Semiconductors and Related Devices	2.2	X	23.1	X	2.5
335	Electrical Equip., Appliances, and Components	10.1	X	4.5	X	10.1
336	Transportation Equipment	6.3	98.2	48.7	7.6	6.4
336110	Automobile and Light Duty Motor Vehicle Manufacturing	1.1	X	7.4	4.2	1.2
3364	Aerospace Product and Parts	5.3	0.0	3.6	0.0	5.2
336411	Aircraft	5.6	X	0.0	0.0	5.4
337	Furniture and Related Products	50.9	X	33.1	90.2	50.5
339	Miscellaneous	16.4	99.0	49.0	53.8	16.2
	Total	3.0	3.7	0.7	1.3	2.6

Northeast Census Region

311	Food	13.9	99.0	10.4	23.3	13.7
3112	Grain and Oilseed Milling	3.8	X	64.5	X	3.8
311221	Wet Corn Milling and Starch Manufacturing	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	X	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	10.4	X	7.4	0.0	9.9
3115	Dairy Product Manufacturing	4.7	X	87.8	X	4.7
3116	Animal Slaughtering and Processing	4.3	X	5.7	48.8	4.1
312	Beverage and Tobacco Products	14.0	X	9.2	63.9	13.7
3121	Beverages	14.2	X	9.6	64.5	13.9
3122	Tobacco	0.0	X	0.0	0.0	0.0
313	Textile Mills	13.0	X	0.0	0.0	9.1
314	Textile Product Mills	58.4	X	98.8	99.3	72.9
315	Apparel	33.8	99.1	99.1	99.1	44.3
316	Leather and Allied Products	6.0	X	75.4	X	5.9
321	Wood Products	7.5	X	17.7	58.7	7.4
321113	Sawmills	2.3	X	3.6	X	2.3
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	20.1	X	4.6	92.0	14.1
321219	Reconstituted Wood Products	28.0	X	4.5	X	17.2
3219	Other Wood Products	14.1	X	70.9	61.0	14.9
322	Paper	7.8	X	0.5	0.5	2.7
322110	Pulp Mills	0.0	X	D	0.0	D
322120	Paper Mills	0.0	X	0.0	0.0	0.0
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	23.9	X	96.6	X	27.5
324	Petroleum and Coal Products	0.9	X	0.2	0.0	0.8
324110	Petroleum Refineries	0.0	X	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	5.9	X	36.2	X	5.9
324122	Asphalt Shingle and Coating Materials	0.0	X	0.0	X	0.0
324191	Petroleum Lubricating Oil and Grease Manufacturing	4.8	X	0.0	0.0	4.7
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	X	X	0.0
325	Chemicals	23.6	X	0.1	0.0	23.3
325110	Petrochemicals	0.0	X	X	X	0.0
325120	Industrial Gases	45.4	X	0.0	X	45.3
325180	Other Basic Inorganic Chemical Manufacturing	1.7	X	X	X	1.7
325193	Ethyl Alcohol	0.0	X	X	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	0.0
325199	All Other Basic Organic Chemical Manufacturing	10.5	X	0.1	X	10.4
325211	Plastics Materials and Resins	14.8	X	0.0	0.0	14.4
325212	Synthetic Rubber	35.6	X	X	X	35.6
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	0.0
325311	Nitrogenous Fertilizers	0.0	X	X	X	0.0
325312	Phosphatic Fertilizers	0.0	X	X	X	0.0
3254	Pharmaceuticals and Medicines	17.2	X	0.1	0.0	16.1
325412	Pharmaceutical Preparation	17.3	X	0.1	0.0	16.9
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	0.0	0.0
326	Plastics and Rubber Products	26.6	X	51.4	83.5	25.2
327	Nonmetallic Mineral Products	7.1	X	3.2	21.3	6.9
327120	Clay Building Material and Refractories	1.9	X	0.0	X	1.9
327211	Flat Glass	0.0	X	0.0	0.0	0.0

327212	Other Pressed and Blown Glass and Glassware	1.6	X	73.5	33.4	1.7
327213	Glass Containers	0.1	X	X	X	0.1
327215	Glass Products from Purchased Glass	2.9	X	7.4	10.1	2.9
327310	Cements	0.0	X	X	X	0.0
327410	Lime	0.0	X	X	X	0.0
327420	Gypsum	0.0	X	0.0	0.0	0.0
327993	Mineral Wool	0.0	X	0.0	0.0	0.0
331	Primary Metals	0.7	X	2.2	32.8	0.6
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	5.5	X	44.2	51.2	5.5
3313	Alumina and Aluminum Production and Processing	0.0	X	0.0	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	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 Metal (except Aluminum) Production and Processing	2.4	X	2.3	92.6	2.4
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.4	X	X	X	0.4
3315	Foundries	3.5	X	0.0	X	3.4
331511	Iron Foundries	2.9	X	0.0	X	2.7
331523	Nonferrous Metal Die-Casting Foundries	3.8	X	X	X	3.8
331524	Aluminum Foundries, except Die-Casting	1.8	X	0.0	X	1.8
332	Fabricated Metal Products	24.8	X	60.1	99.5	24.5
333	Machinery	31.2	X	73.0	92.6	31.5
334	Computer and Electronic Products	10.2	X	6.6	97.2	9.4
334413	Semiconductors and Related Devices	3.0	X	0.0	X	2.6
335	Electrical Equip., Appliances, and Components	22.1	X	0.8	X	22.0
336	Transportation Equipment	22.5	X	1.6	47.4	21.0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	X	X	X	0.0
3364	Aerospace Product and Parts	11.2	X	0.1	0.0	8.9
336411	Aircraft	36.4	X	0.0	0.0	27.1
337	Furniture and Related Products	30.8	X	X	X	30.8
339	Miscellaneous	25.9	X	69.5	99.0	25.1
	Total	6.7	98.6	2.4	3.3	5.6

Midwest Census Region

311	Food	5.4	46.2	0.3	2.5	4.9
3112	Grain and Oilseed Milling	2.8	X	0.0	0.0	2.2
311221	Wet Corn Milling and Starch Manufacturing	0.0	X	0.0	X	0.0
31131	Sugar Manufacturing	0.0	X	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	4.4	46.2	5.5	46.9	4.4
3115	Dairy Product Manufacturing	6.6	X	26.0	X	6.6
3116	Animal Slaughtering and Processing	9.1	X	11.5	97.2	9.1
312	Beverage and Tobacco Products	9.2	84.0	16.7	X	9.2
3121	Beverages	9.2	84.0	16.7	X	9.2
3122	Tobacco	0.0	X	X	X	0.0
313	Textile Mills	7.7	X	X	X	7.7
314	Textile Product Mills	32.4	X	X	X	32.4
315	Apparel	42.6	X	X	X	42.6
316	Leather and Allied Products	8.2	X	X	X	8.2
321	Wood Products	4.6	82.7	47.7	73.3	5.0
321113	Sawmills	7.1	85.6	82.7	X	7.2
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	2.7	X	26.9	X	2.7
321219	Reconstituted Wood Products	0.6	X	0.0	X	0.6
3219	Other Wood Products	8.6	86.6	56.3	73.3	9.3
322	Paper	6.0	X	3.7	1.1	4.6
322110	Pulp Mills	0.0	X	D	0.0	D
322120	Paper Mills	0.0	X	0.0	0.0	0.0
322130	Paperboard Mills	0.0	X	0.0	X	0.0
323	Printing and Related Support	24.4	X	92.6	X	24.4
324	Petroleum and Coal Products	0.4	X	0.7	0.1	0.4
324110	Petroleum Refineries	0.0	X	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	17.2	X	12.1	75.6	12.7
324122	Asphalt Shingle and Coating Materials	1.7	X	0.0	X	1.7
324191	Petroleum Lubricating Oil and Grease Manufacturing	1.5	X	16.3	X	1.5
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	0.0	0.0
325	Chemicals	3.8	21.7	13.8	11.9	3.8
325110	Petrochemicals	0.0	X	X	X	0.0
325120	Industrial Gases	5.2	X	X	X	5.2
325180	Other Basic Inorganic Chemical Manufacturing	5.4	18.4	0.0	0.0	5.4
325193	Ethyl Alcohol	2.8	X	6.8	56.8	2.5
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	0.0	0.0
325199	All Other Basic Organic Chemical Manufacturing	2.5	X	0.0	X	2.5

325211	Plastics Materials and Resins	3.1	X	4.5	0.0	2.8
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	0.0	0.0	0.0	0.0
325312	Phosphatic Fertilizers	0.0	X	X	X	0.0
3254	Pharmaceuticals and Medicines	6.9	X	1.7	0.0	6.8
325412	Pharmaceutical Preparation	6.7	X	22.9	X	6.7
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	X	X	0.0
326	Plastics and Rubber Products	40.4	X	91.7	X	40.4
327	Nonmetallic Mineral Products	4.6	0.0	76.4	1.8	5.1
327120	Clay Building Material and Refractories	7.2	X	0.0	X	7.2
327211	Flat Glass	2.3	X	0.0	X	2.3
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	2.2	X	0.0	X	2.2
327310	Cements	5.0	X	X	X	5.0
327410	Lime	0.0	X	X	X	0.0
327420	Gypsum	0.0	X	0.0	X	0.0
327993	Mineral Wool	26.9	X	X	X	26.9
331	Primary Metals	0.3	X	0.2	0.0	0.3
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	1.7	X	0.0	X	1.7
3313	Alumina and Aluminum Production and Processing	0.2	X	4.3	0.0	0.2
331314	Secondary Smelting and Alloying of Aluminum	D	X	0.0	0.0	D
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	1.5	X	78.3	X	1.5
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.7	X	X	X	1.7
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	0.0
3315	Foundries	1.8	X	21.0	X	1.8
331511	Iron Foundries	3.2	X	5.6	X	3.2
331523	Nonferrous Metal Die-Casting Foundries	3.3	X	X	X	3.3
331524	Aluminum Foundries, except Die-Casting	5.1	X	7.7	X	5.1
332	Fabricated Metal Products	14.0	X	45.5	78.6	13.8
333	Machinery	17.7	X	42.2	92.1	17.6
334	Computer and Electronic Products	55.4	X	91.3	X	53.3
334413	Semiconductors and Related Devices	2.2	X	X	X	2.2
335	Electrical Equip., Appliances, and Components	22.8	X	89.9	X	22.8
336	Transportation Equipment	10.6	99.0	79.9	0.0	11.1
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.1	X	0.0	0.0	0.1
3364	Aerospace Product and Parts	7.9	X	81.2	X	7.8
336411	Aircraft	4.4	X	X	X	4.4
337	Furniture and Related Products	20.1	X	43.6	X	19.8
339	Miscellaneous	31.2	X	89.8	X	31.2
	Total	5.3	75.3	4.4	17.3	5.0

South Census Region

311	Food	4.6	0.0	2.0	30.1	4.2
3112	Grain and Oilseed Milling	11.1	0.0	6.6	X	9.8
311221	Wet Corn Milling and Starch Manufacturing	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	4.9	X	0.1	0.3	3.9
3115	Dairy Product Manufacturing	11.1	X	12.1	0.0	10.3
3116	Animal Slaughtering and Processing	3.5	X	54.3	58.6	3.5
312	Beverage and Tobacco Products	34.9	X	30.5	51.6	34.6
3121	Beverages	38.5	X	41.8	51.6	38.2
3122	Tobacco	0.0	X	0.0	X	0.0
313	Textile Mills	7.2	X	35.3	35.3	7.2
314	Textile Product Mills	16.3	X	96.1	X	17.4
315	Apparel	14.0	X	69.4	X	13.9
316	Leather and Allied Products	8.0	X	83.1	X	8.1
321	Wood Products	11.1	X	2.9	0.0	10.8
321113	Sawmills	2.7	X	14.6	0.0	2.7
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	3.1	X	0.3	0.0	2.9
321219	Reconstituted Wood Products	4.8	X	0.0	X	4.5
3219	Other Wood Products	39.5	X	5.6	0.0	37.9
322	Paper	4.5	X	0.0	0.0	2.4
322110	Pulp Mills	0.0	X	D	0.0	D
322120	Paper Mills	0.0	X	0.0	0.0	0.0
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	19.9	X	78.7	X	20.0
324	Petroleum and Coal Products	0.1	0.0	0.1	0.0	0.1

324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	3.8	X	0.1	X	3.6
324122	Asphalt Shingle and Coating Materials	1.9	X	0.0	X	1.9
324191	Petroleum Lubricating Oil and Grease Manufacturing	2.3	X	X	0.0	2.7
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	0.0	0.0
325	Chemicals	2.1	8.9	0.2	1.4	1.4
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0
325120	Industrial Gases	5.3	X	0.0	0.0	4.7
325180	Other Basic Inorganic Chemical Manufacturing	3.7	73.6	0.0	8.2	2.3
325193	Ethyl Alcohol	0.0	X	X	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	0.0	0.0
325199	All Other Basic Organic Chemical Manufacturing	3.1	X	1.9	3.1	2.4
325211	Plastics Materials and Resins	5.0	X	0.1	0.1	2.4
325212	Synthetic Rubber	0.0	X	0.0	0.0	0.0
325220	Artificial and Synthetic Fibers and Filaments	2.3	X	0.0	X	2.1
325311	Nitrogenous Fertilizers	0.0	X	0.0	0.0	0.0
325312	Phosphatic Fertilizers	0.0	X	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	5.3	96.1	40.7	9.2	5.7
325412	Pharmaceutical Preparation	3.6	X	0.0	0.0	3.6
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	X	0.0
326	Plastics and Rubber Products	20.0	99.0	54.6	X	19.9
327	Nonmetallic Mineral Products	48.7	X	2.2	0.0	48.6
327120	Clay Building Material and Refractories	3.3	X	X	X	3.3
327211	Flat Glass	2.2	X	83.4	X	2.3
327212	Other Pressed and Blown Glass and Glassware	0.4	X	X	X	0.4
327213	Glass Containers	0.0	X	X	X	0.0
327215	Glass Products from Purchased Glass	4.1	X	X	X	4.1
327310	Cements	3.3	X	X	X	3.3
327410	Lime	0.0	X	0.0	X	0.0
327420	Gypsum	6.9	X	0.0	X	6.6
327993	Mineral Wool	1.6	X	0.0	0.0	1.5
331	Primary Metals	0.4	X	7.3	32.6	0.4
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	8.2	X	6.5	70.9	8.1
3313	Alumina and Aluminum Production and Processing	0.3	X	0.0	X	0.3
331314	Secondary Smelting and Alloying of Aluminum	D	X	0.0	X	D
331315	Aluminum Sheet, Plate and Foils	1.1	X	0.0	X	1.0
331318	Other Aluminum Rolling, Drawing and Extruding	3.1	X	X	X	3.1
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.7	X	34.3	X	2.2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.2	X	0.0	X	0.2
3315	Foundries	2.1	X	23.4	X	2.1
331511	Iron Foundries	3.7	X	27.9	X	3.7
331523	Nonferrous Metal Die-Casting Foundries	3.2	X	0.0	X	3.2
331524	Aluminum Foundries, except Die-Casting	6.3	X	58.8	X	6.3
332	Fabricated Metal Products	42.7	X	59.6	99.5	42.6
333	Machinery	19.2	X	48.5	94.4	19.0
334	Computer and Electronic Products	9.0	X	85.4	X	9.1
334413	Semiconductors and Related Devices	1.4	X	86.4	X	2.8
335	Electrical Equip., Appliances, and Components	16.6	X	96.5	X	16.6
336	Transportation Equipment	11.6	X	14.1	4.5	11.5
336110	Automobile and Light Duty Motor Vehicle Manufacturing	1.7	X	11.8	4.5	2.0
3364	Aerospace Product and Parts	13.7	X	1.4	0.0	13.6
336411	Aircraft	2.3	X	0.0	0.0	2.3
337	Furniture and Related Products	71.0	X	66.9	X	70.9
339	Miscellaneous	23.1	X	66.7	X	23.1
	Total	5.1	2.5	0.3	1.1	4.2

West Census Region

311	Food	7.7	X	25.2	61.4	7.4
3112	Grain and Oilseed Milling	8.4	X	18.0	X	8.3
311221	Wet Corn Milling and Starch Manufacturing	0.0	X	X	X	0.0
31131	Sugar Manufacturing	0.0	X	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	6.0	X	72.5	61.8	6.7
3115	Dairy Product Manufacturing	7.9	X	0.4	X	7.7
3116	Animal Slaughtering and Processing	7.6	X	79.2	97.0	8.8
312	Beverage and Tobacco Products	6.3	72.3	11.6	41.0	6.1
3121	Beverages	6.3	72.3	11.6	41.0	6.1
3122	Tobacco	0.0	X	X	X	0.0
313	Textile Mills	37.8	X	96.2	96.2	37.7
314	Textile Product Mills	49.9	X	X	X	49.9
315	Apparel	33.9	X	59.4	59.4	32.1

316	Leather and Allied Products	21.0	X	0.0	X	20.5
321	Wood Products	4.2	X	0.5	0.1	4.0
321113	Sawmills	2.9	X	0.1	0.0	2.6
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	7.3	X	0.1	0.0	7.3
321219	Reconstituted Wood Products	0.0	X	X	X	0.0
3219	Other Wood Products	23.0	X	68.1	99.0	22.7
322	Paper	4.1	0.0	9.7	5.7	4.1
322110	Pulp Mills	0.0	X	0.0	X	0.0
322120	Paper Mills	0.0	X	0.0	0.0	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	28.2	X	86.2	99.0	27.6
324	Petroleum and Coal Products	0.1	X	0.1	0.1	0.1
324110	Petroleum Refineries	0.0	X	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	3.3	X	15.7	30.8	3.3
324122	Asphalt Shingle and Coating Materials	1.0	X	0.0	X	1.0
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	X	0.0	X	0.0
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	X	0.0	0.0
325	Chemicals	2.9	0.0	3.5	0.1	2.7
325110	Petrochemicals	0.0	X	X	X	0.0
325120	Industrial Gases	2.7	X	0.0	X	1.8
325180	Other Basic Inorganic Chemical Manufacturing	1.3	X	3.3	0.3	1.3
325193	Ethyl Alcohol	0.0	X	0.0	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	X	0.0
325199	All Other Basic Organic Chemical Manufacturing	2.2	0.0	26.0	0.0	2.0
325211	Plastics Materials and Resins	39.5	X	0.0	X	39.4
325212	Synthetic Rubber	0.0	X	0.0	0.0	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	0.0	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	8.1	X	36.1	0.0	10.2
325412	Pharmaceutical Preparation	11.5	X	42.5	X	15.6
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	X	X	0.0
326	Plastics and Rubber Products	31.5	X	82.3	X	31.4
327	Nonmetallic Mineral Products	34.9	X	10.3	83.0	34.5
327120	Clay Building Material and Refractories	4.1	X	0.0	X	4.1
327211	Flat Glass	0.0	X	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	14.6	X	X	X	14.6
327213	Glass Containers	0.0	X	0.0	X	0.0
327215	Glass Products from Purchased Glass	5.0	X	24.5	93.0	5.0
327310	Cements	23.8	X	0.0	X	23.6
327410	Lime	0.0	X	0.0	X	0.0
327420	Gypsum	2.9	X	0.0	X	2.7
327993	Mineral Wool	0.0	X	0.0	0.0	0.0
331	Primary Metals	1.3	87.7	1.5	20.7	1.3
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	0.0
3312	Steel Products from Purchased Steel	14.3	X	73.7	X	14.6
3313	Alumina and Aluminum Production and Processing	0.6	87.7	3.0	87.7	0.6
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	2.1	87.7	3.0	87.7	2.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	0.3	X	0.0	X	0.3
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.2	X	0.0	X	0.2
3315	Foundries	1.5	X	4.8	0.0	1.5
331511	Iron Foundries	0.9	X	0.0	X	0.9
331523	Nonferrous Metal Die-Casting Foundries	5.5	X	58.5	X	5.4
331524	Aluminum Foundries, except Die-Casting	3.4	X	0.0	X	3.3
332	Fabricated Metal Products	25.0	X	53.2	99.5	24.6
333	Machinery	32.9	X	69.9	99.0	32.2
334	Computer and Electronic Products	9.7	X	49.4	99.0	9.6
334413	Semiconductors and Related Devices	5.1	X	88.2	X	5.6
335	Electrical Equip., Appliances, and Components	36.8	X	81.4	X	36.8
336	Transportation Equipment	6.7	0.0	84.2	X	6.8
336110	Automobile and Light Duty Motor Vehicle Manufacturing	14.6	X	0.0	X	14.5
3364	Aerospace Product and Parts	5.0	0.0	0.0	X	5.0
336411	Aircraft	14.9	X	X	X	14.9
337	Furniture and Related Products	30.4	X	73.4	90.2	30.1
339	Miscellaneous	21.7	99.0	77.4	54.7	22.2
	Total	5.1	0.1	2.4	1.9	4.6

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey
Note: Totals may not equal sum of components because of independent rounding.

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

^b *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 (RSE) is greater than 50%.

NA=Not available.

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

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).