

Released: February 2021
 Next MECS will be fielded in 2023.

Table 10.6 Capability to Switch Electricity to Alternative Energy Sources, 2018;

Level: National Data and Regional Data;
 Row: NAICS Codes
 Column: Energy Sources;
 Unit: Million Kilowatt-hours.

NAICS Code(a)	Subsector and Industry	Electricity Receipts				Alternative Energy Sources(b)						
		Total Receipts(c)	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	HGL (excluding natural gasoline)	Coal Coke and Breeze	Other(d)	
Total United States												
311	Food	92,018	1,219	90,799	234	994	27	0	Q	0	Q	
3112	Grain and Oilseed Milling	14,717	95	14,622	90	Q	0	0	0	0	0	
311221	Wet Corn Milling	6,035	56	5,979	56	0	0	0	0	0	0	
31131	Sugar Manufacturing	1,179	0	1,179	0	0	0	0	0	0	0	
3114	Fruit and Vegetable Preserving and Specialty Food	9,945	38	9,907	34	Q	0	0	0	0	0	
3115	Dairy Product	11,509	608	10,901	52	515	20	0	38	0	0	
3116	Animal Slaughtering and Processing	31,674	424	31,249	Q	423	Q	0	Q	0	Q	
312	Beverage and Tobacco Products	14,184	119	14,065	65	Q	0	0	Q	0	0	
3121	Beverages	13,418	119	13,299	65	Q	0	0	Q	0	0	
3122	Tobacco	766	*	766	0	0	0	0	*	0	0	
313	Textile Mills	10,882	347	10,535	21	324	299	Q	1	Q	0	
314	Textile Product Mills	2,842	Q	2,839	0	0	Q	0	0	0	0	
315	Apparel	722	Q	705	*	0	0	0	0	0	Q	
316	Leather and Allied Products	226	*	226	*	0	0	0	0	0	0	
321	Wood Products	21,764	260	21,503	20	219	Q	*	Q	0	16	
321113	Sawmills	8,180	35	8,144	15	20	0	*	4	0	10	
3212	Veneer, Plywood, and Engineered Woods	6,817	17	6,800	3	14	0	0	0	0	0	
321219	Reconstituted Wood Products	4,289	0	4,289	0	0	0	0	0	0	0	
3219	Other Wood Products	6,313	204	6,108	Q	182	Q	0	Q	0	Q	
322	Paper	55,961	D	D	2,000	71	213	219	1	*	756	
322110	Pulp Mills	2,033	D	D	216	*	213	0	0	0	140	
322121	Paper Mills, except Newsprint	17,898	1,314	16,583	1,060	59	*	207	1	*	103	
322122	Newsprint Mills	4,946	0	4,946	0	0	0	0	0	0	0	
322130	Paperboard Mills	18,401	1,162	17,240	724	12	0	12	0	0	513	
323	Printing and Related Support	10,032	Q	10,014	Q	0	0	Q	0	Q	0	
324	Petroleum and Coal Products	58,130	942	57,188	790	105	5	29	56	0	72	
324110	Petroleum Refineries	53,819	798	53,021	729	6	0	0	56	0	72	
324121	Asphalt Paving Mixture and Block	1,378	97	1,282	31	82	5	1	0	0	0	
324122	Asphalt Shingle and Coating Materials	930	3	926	1	3	0	0	0	0	0	
324191	Petroleum Lubricating Oil and Grease Products	1,393	42	1,351	28	14	0	28	0	0	0	

324199	Other Petroleum and Coal Products	610	2	608	2	0	0	0	0	0	0
325	Chemicals	160,480	2,059	158,421	1,194	1,106	23	0	4	0	6
325110	Petrochemicals	7,903	52	7,851	49	*	0	0	2	0	0
325120	Industrial Gases	23,068	310	22,758	310	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	30,356	86	30,270	53	33	0	0	0	0	0
325193	Ethyl Alcohol	10,819	0	10,819	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3,515	2	3,513	2	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	21,178	207	20,971	151	56	Q	0	0	0	0
325211	Plastics Materials and Resins	24,174	Q	24,014	Q	Q	0	0	*	0	0
325212	Synthetic Rubber	1,417	8	1,409	0	8	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	2,728	382	2,346	253	202	16	0	0	0	0
325311	Nitrogenous Fertilizers	5,137	93	5,044	93	0	0	0	0	0	0
325312	Phosphatic Fertilizers	2,085	33	2,052	33	*	0	0	*	0	0
3254	Pharmaceuticals and Medicines	10,447	211	10,236	98	187	0	0	2	0	6
325412	Pharmaceutical Preparation	6,115	132	5,984	Q	131	0	0	0	0	6
325992	Photographic Film, Paper, Plate, and Chemicals	923	14	910	1	13	0	0	0	0	*
326	Plastics and Rubber Products	49,327	Q	48,945	Q	Q	0	0	0	0	0
327	Nonmetallic Mineral Products	37,923	621	37,301	433	284	Q	0	206	0	3
327120	Clay Building Material and Refractories	1,767	3	1,764	3	3	3	0	3	0	3
327211	Flat Glass	1,419	98	1,322	0	98	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	2,123	204	1,919	204	0	0	0	0	0	0
327213	Glass Containers	3,447	14	3,433	14	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	3,670	8	3,663	8	0	0	0	0	0	0
327310	Cements	11,421	0	11,421	0	0	0	0	0	0	0
327410	Lime	1,398	0	1,398	0	0	0	0	0	0	0
327420	Gypsum	1,541	0	1,541	0	0	0	0	0	0	0
327993	Mineral Wool	3,110	99	3,011	88	99	0	0	88	0	*
331	Primary Metals	113,382	346	113,036	121	142	1	0	114	0	0
331110	Iron and Steel Mills and Ferroalloys	56,170	133	56,037	78	55	0	0	0	0	0
3312	Steel Products from Purchased Steel	6,914	Q	6,900	Q	Q	0	0	0	0	0
3313	Alumina and Aluminum	26,260	9	26,251	8	1	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	780	1	779	0	1	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	5,377	0	5,377	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	1,917	8	1,909	8	*	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	13,272	38	13,235	6	36	0	0	4	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	7,887	24	7,863	5	23	0	0	4	0	0
3315	Foundries	10,766	152	10,613	28	36	1	0	110	0	0
331511	Iron Foundries	5,196	108	5,088	11	12	0	0	107	0	0
331523	Nonferrous Metal Die-Casting Foundries	2,078	22	2,056	15	6	1	0	1	0	0
331524	Aluminum Foundries, except Die-Casting	788	6	782	0	5	0	0	1	0	0
332	Fabricated Metal Products	36,063	Q	34,995	Q	Q	Q	0	Q	0	0
333	Machinery	23,569	Q	23,307	Q	Q	0	Q	Q	0	0
334	Computer and Electronic Products	22,194	157	22,037	2	44	0	0	*	0	0
334413	Semiconductors and Related Devices	11,613	44	11,569	0	44	0	0	0	0	0

335	Electrical Equip., Appliances, and Components	11,037	Q	11,033	0	0	0	Q	0	0	0
336	Transportation Equipment	50,462	592	49,870	Q	257	11	0	Q	0	6
336111	Automobiles	4,024	6	4,017	0	0	0	0	0	0	6
336112	Light Trucks and Utility Vehicles	4,233	*	4,233	*	0	0	0	0	0	0
3364	Aerospace Product and Parts	9,699	180	9,519	91	168	11	0	0	0	0
336411	Aircraft	2,721	148	2,573	79	148	0	0	0	0	0
337	Furniture and Related Products	4,669	Q	4,561	Q	Q	0	*	Q	*	0
339	Miscellaneous	9,547	Q	9,418	Q	Q	Q	Q	Q	Q	Q
	Total	785,414	D	D	6,197	4,756	1,047	489	1,055	Q	888

Northeast Census Region

311	Food	7,836	144	7,692	Q	105	21	0	Q	0	Q
3112	Grain and Oilseed Milling	497	0	497	0	0	0	0	0	0	0
311221	Wet Corn Milling	15	0	15	0	0	0	0	0	0	0
31131	Sugar Manufacturing	4	0	4	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	787	33	754	31	Q	0	0	0	0	0
3115	Dairy Product	1,467	45	1,422	0	45	20	0	0	0	0
3116	Animal Slaughtering and Processing	1,098	12	1,086	0	11	0	0	0	0	Q
312	Beverage and Tobacco Products	1,674	8	1,667	8	0	0	0	0	0	0
3121	Beverages	1,647	8	1,639	8	0	0	0	0	0	0
3122	Tobacco	28	0	28	0	0	0	0	0	0	0
313	Textile Mills	571	18	553	16	0	0	0	1	0	0
314	Textile Product Mills	305	Q	303	0	0	Q	0	0	0	0
315	Apparel	151	0	151	0	0	0	0	0	0	0
316	Leather and Allied Products	49	*	49	*	0	0	0	0	0	0
321	Wood Products	1,488	18	1,470	Q	16	0	0	4	0	*
321113	Sawmills	381	9	372	*	9	0	0	4	0	*
3212	Veneer, Plywood, and Engineered Woods	269	7	263	0	7	0	0	0	0	0
321219	Reconstituted Wood Products	196	0	196	0	0	0	0	0	0	0
3219	Other Wood Products	816	Q	814	Q	0	0	0	0	0	0
322	Paper	5,889	D	D	215	*	213	1	0	0	159
322110	Pulp Mills	D	D	65	213	*	213	0	0	0	136
322121	Paper Mills, except Newsprint	2,401	36	2,366	1	0	0	1	0	0	24
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	1,459	0	1,459	0	0	0	0	0	0	0
323	Printing and Related Support	1,582	0	1,582	0	0	0	0	0	0	0
324	Petroleum and Coal Products	2,611	36	2,575	0	9	5	0	0	0	22
324110	Petroleum Refineries	2,119	22	2,097	0	0	0	0	0	0	22
324121	Asphalt Paving Mixture and Block	281	14	267	0	9	5	0	0	0	0
324122	Asphalt Shingle and Coating Materials	90	0	90	0	0	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	45	0	45	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	76	0	76	0	0	0	0	0	0	0
325	Chemicals	11,336	50	11,286	2	48	0	0	0	0	0
325110	Petrochemicals	17	*	17	0	*	0	0	0	0	0

325120	Industrial Gases	2,777	0	2,777	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	1,619	0	1,619	0	0	0	0	0	0	0
325193	Ethyl Alcohol	170	0	170	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	107	0	107	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	1,502	2	1,501	2	0	0	0	0	0	0
325211	Plastics Materials and Resins	871	5	866	0	5	0	0	0	0	0
325212	Synthetic Rubber	18	0	18	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	35	0	35	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	24	0	24	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	1	0	1	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	2,383	43	2,340	0	43	0	0	0	0	0
325412	Pharmaceutical Preparation	1,359	43	1,317	0	43	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	415	0	415	0	0	0	0	0	0	0
326	Plastics and Rubber Products	4,749	Q	4,614	0	Q	0	0	0	0	0
327	Nonmetallic Mineral Products	3,885	Q	3,845	7	Q	0	0	0	0	0
327120	Clay Building Material and Refractories	212	0	212	0	0	0	0	0	0	0
327211	Flat Glass	123	0	123	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	416	0	416	0	0	0	0	0	0	0
327213	Glass Containers	461	0	461	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	285	7	279	7	0	0	0	0	0	0
327310	Cements	810	0	810	0	0	0	0	0	0	0
327410	Lime	69	0	69	0	0	0	0	0	0	0
327420	Gypsum	138	0	138	0	0	0	0	0	0	0
327993	Mineral Wool	129	0	129	0	0	0	0	0	0	0
331	Primary Metals	10,936	4	10,932	3	1	0	0	1	0	0
331110	Iron and Steel Mills and Ferroalloys	6,325	0	6,325	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	480	Q	480	Q	0	0	0	0	0	0
3313	Alumina and Aluminum	1,547	0	1,547	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	24	0	24	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	579	0	579	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	281	0	281	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	1,571	Q	1,571	Q	0	0	0	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	123	0	123	0	0	0	0	0	0	0
3315	Foundries	1,012	2	1,010	1	1	0	0	1	0	0
331511	Iron Foundries	464	1	463	0	1	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	93	0	93	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	82	0	82	0	0	0	0	0	0	0
332	Fabricated Metal Products	6,078	Q	6,074	*	0	0	0	0	0	0
333	Machinery	2,222	0	2,222	0	0	0	0	0	0	0
334	Computer and Electronic Products	4,346	0	4,346	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	1,026	0	1,026	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	1,524	0	1,524	0	0	0	0	0	0	0
336	Transportation Equipment	Q	14	Q	11	Q	11	0	0	0	0
336111	Automobiles	1	0	1	0	0	0	0	0	0	0

336112	Light Trucks and Utility Vehicles	1	0	1	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	843	14	829	11	Q	11	0	0	0	0
336411	Aircraft	169	0	169	0	0	0	0	0	0	0
337	Furniture and Related Products	577	Q	574	Q	0	0	0	0	0	0
339	Miscellaneous	2,148	Q	2,135	Q	Q	Q	Q	Q	Q	0
	Total	74,652	D	D	360	364	267	Q	Q	Q	183

Midwest Census Region

311	Food	33,123	717	32,407	48	657	Q	0	Q	0	0
3112	Grain and Oilseed Milling	10,528	39	10,489	34	Q	0	0	0	0	0
311221	Wet Corn Milling	5,585	0	5,585	0	0	0	0	0	0	0
31131	Sugar Manufacturing	608	0	608	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	3,656	Q	3,655	0	Q	0	0	0	0	0
3115	Dairy Product	4,353	373	3,980	Q	347	0	0	0	0	0
3116	Animal Slaughtering and Processing	7,588	304	7,284	Q	304	Q	0	Q	0	0
312	Beverage and Tobacco Products	1,480	Q	1,427	0	Q	0	0	0	0	0
3121	Beverages	1,479	Q	1,426	0	Q	0	0	0	0	0
3122	Tobacco	1	0	1	0	0	0	0	0	0	0
313	Textile Mills	301	0	301	0	0	0	0	0	0	0
314	Textile Product Mills	143	0	143	0	0	0	0	0	0	0
315	Apparel	70	0	70	0	0	0	0	0	0	0
316	Leather and Allied Products	107	0	107	0	0	0	0	0	0	0
321	Wood Products	2,991	Q	2,943	0	Q	Q	0	0	0	0
321113	Sawmills	448	Q	446	0	Q	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	771	0	771	0	0	0	0	0	0	0
321219	Reconstituted Wood Products	519	0	519	0	0	0	0	0	0	0
3219	Other Wood Products	1,731	Q	1,685	0	Q	Q	0	0	0	0
322	Paper	13,312	611	12,702	470	59	*	157	1	0	80
322110	Pulp Mills	D	0	D	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	5,030	530	4,500	389	59	*	157	1	0	80
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	2,785	80	2,704	80	0	0	0	0	0	0
323	Printing and Related Support	3,786	Q	3,776	Q	0	0	0	0	0	0
324	Petroleum and Coal Products	10,942	193	10,749	172	18	0	1	34	0	0
324110	Petroleum Refineries	9,908	169	9,739	169	0	0	0	34	0	0
324121	Asphalt Paving Mixture and Block	257	7	250	1	3	0	1	0	0	0
324122	Asphalt Shingle and Coating Materials	275	*	275	*	0	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	194	14	180	0	14	0	0	0	0	0
324199	Other Petroleum and Coal Products	307	2	305	2	0	0	0	0	0	0
325	Chemicals	38,630	162	38,468	108	87	Q	0	2	0	0
325110	Petrochemicals	3	0	3	0	0	0	0	0	0	0
325120	Industrial Gases	6,549	0	6,549	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	3,809	59	3,750	53	6	0	0	0	0	0
325193	Ethyl Alcohol	9,808	0	9,808	0	0	0	0	0	0	0

325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	287	0	287	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	4,011	Q	4,005	0	Q	Q	0	0	0	0
325211	Plastics Materials and Resins	3,123	Q	3,118	*	Q	0	0	*	0	0
325212	Synthetic Rubber	178	0	178	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	74	0	74	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	1,776	0	1,776	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	8	0	8	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	3,304	85	3,219	54	64	0	0	2	0	0
325412	Pharmaceutical Preparation	2,130	10	2,121	*	9	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	52	1	52	1	0	0	0	0	0	0
326	Plastics and Rubber Products	21,718	Q	21,698	Q	0	0	0	0	0	0
327	Nonmetallic Mineral Products	11,435	205	11,230	199	97	3	0	199	0	3
327120	Clay Building Material and Refractories	285	3	282	3	3	3	0	3	0	3
327211	Flat Glass	462	0	462	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	496	0	496	0	0	0	0	0	0	0
327213	Glass Containers	945	0	945	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	1,721	0	1,721	0	0	0	0	0	0	0
327310	Cements	3,096	0	3,096	0	0	0	0	0	0	0
327410	Lime	467	0	467	0	0	0	0	0	0	0
327420	Gypsum	264	0	264	0	0	0	0	0	0	0
327993	Mineral Wool	1,292	88	1,204	88	88	0	0	88	0	0
331	Primary Metals	41,892	76	41,817	51	40	0	0	16	0	0
331110	Iron and Steel Mills and Ferroalloys	20,330	32	20,298	32	*	0	0	0	0	0
3312	Steel Products from Purchased Steel	2,294	Q	2,281	0	Q	0	0	0	0	0
3313	Alumina and Aluminum	8,608	0	8,608	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	300	0	300	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	1,564	0	1,564	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	698	0	698	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	4,097	4	4,093	4	4	0	0	4	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2,472	4	2,467	4	4	0	0	4	0	0
3315	Foundries	6,563	27	6,536	15	23	0	0	11	0	0
331511	Iron Foundries	3,252	11	3,241	11	11	0	0	11	0	0
331523	Nonferrous Metal Die-Casting Foundries	1,348	10	1,339	3	6	0	0	1	0	0
331524	Aluminum Foundries, except Die-Casting	458	5	453	0	5	0	0	0	0	0
332	Fabricated Metal Products	18,463	Q	17,728	Q	Q	Q	0	Q	0	0
333	Machinery	9,712	Q	9,477	0	Q	0	Q	Q	0	0
334	Computer and Electronic Products	3,186	Q	3,154	Q	0	0	0	*	0	0
334413	Semiconductors and Related Devices	1,167	0	1,167	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	3,786	0	3,786	0	0	0	0	0	0	0
336	Transportation Equipment	24,876	36	24,840	*	30	0	0	0	0	6
336111	Automobiles	2,024	6	2,017	0	0	0	0	0	0	6
336112	Light Trucks and Utility Vehicles	2,259	*	2,259	*	0	0	0	0	0	0
3364	Aerospace Product and Parts	2,405	Q	2,391	0	Q	0	0	0	0	0
336411	Aircraft	528	0	528	0	0	0	0	0	0	0

337	Furniture and Related Products	1,813	Q	1,709	Q	Q	0	0	Q	0	0
339	Miscellaneous	3,343	Q	3,267	Q	0	0	0	0	0	0
	Total	245,110	3,313	241,797	1,696	1,655	Q	Q	Q	0	89

South Census Region

311	Food	23,422	Q	23,354	3	Q	0	0	0	0	0
3112	Grain and Oilseed Milling	2,835	0	2,835	0	0	0	0	0	0	0
311221	Wet Corn Milling	358	0	358	0	0	0	0	0	0	0
31131	Sugar Manufacturing	302	0	302	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	1,906	0	1,906	0	0	0	0	0	0	0
3115	Dairy Product	2,365	14	2,351	0	14	0	0	0	0	0
3116	Animal Slaughtering and Processing	9,704	Q	9,650	3	Q	0	0	0	0	0
312	Beverage and Tobacco Products	7,630	*	7,630	0	*	0	0	*	0	0
3121	Beverages	6,894	*	6,894	0	*	0	0	0	0	0
3122	Tobacco	736	*	736	0	0	0	0	*	0	0
313	Textile Mills	9,776	329	9,447	Q	324	299	Q	0	Q	0
314	Textile Product Mills	2,231	0	2,231	0	0	0	0	0	0	0
315	Apparel	451	Q	435	0	0	0	0	0	0	Q
316	Leather and Allied Products	53	0	53	0	0	0	0	0	0	0
321	Wood Products	12,784	158	12,627	14	152	0	*	0	0	0
321113	Sawmills	5,723	15	5,708	14	9	0	*	0	0	0
3212	Veneer, Plywood, and Engineered Woods	4,001	0	4,001	0	0	0	0	0	0	0
321219	Reconstituted Wood Products	2,734	0	2,734	0	0	0	0	0	0	0
3219	Other Wood Products	2,772	140	2,632	0	140	0	0	0	0	0
322	Paper	26,930	2,006	24,924	1,316	12	0	61	0	*	517
322110	Pulp Mills	1,417	4	1,413	2	0	0	0	0	0	4
322121	Paper Mills, except Newsprint	7,808	748	7,060	669	0	0	49	0	*	0
322122	Newsprint Mills	2,032	0	2,032	0	0	0	0	0	0	0
322130	Paperboard Mills	11,130	1,081	10,048	644	12	0	12	0	0	513
323	Printing and Related Support	3,883	Q	3,875	Q	0	0	Q	0	Q	0
324	Petroleum and Coal Products	34,099	300	33,799	234	54	0	28	0	0	12
324110	Petroleum Refineries	31,765	220	31,545	202	6	0	0	0	0	12
324121	Asphalt Paving Mixture and Block	561	50	511	4	46	0	0	0	0	0
324122	Asphalt Shingle and Coating Materials	440	3	437	*	3	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	1,135	28	1,107	28	0	0	28	0	0	0
324199	Other Petroleum and Coal Products	198	0	198	0	0	0	0	0	0	0
325	Chemicals	98,324	1,429	96,894	681	956	16	0	2	0	6
325110	Petrochemicals	7,883	52	7,831	49	0	0	0	2	0	0
325120	Industrial Gases	9,750	0	9,750	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	21,617	27	21,590	0	27	0	0	0	0	0
325193	Ethyl Alcohol	429	0	429	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3,104	2	3,102	2	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	14,926	199	14,728	149	50	0	0	0	0	0
325211	Plastics Materials and Resins	19,888	Q	19,738	Q	Q	0	0	0	0	0

325212	Synthetic Rubber	1,209	8	1,201	0	8	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	2,610	381	2,229	253	201	16	0	0	0	0
325311	Nitrogenous Fertilizers	2,877	0	2,877	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	1,620	33	1,587	33	*	0	0	*	0	0
3254	Pharmaceuticals and Medicines	3,367	81	3,285	Q	79	0	0	0	0	6
325412	Pharmaceutical Preparation	1,892	79	1,812	Q	79	0	0	0	0	6
325992	Photographic Film, Paper, Plate, and Chemicals	283	*	283	0	0	0	0	0	0	*
326	Plastics and Rubber Products	19,490	Q	19,410	0	Q	0	0	0	0	0
327	Nonmetallic Mineral Products	16,429	342	16,086	219	123	0	0	Q	0	0
327120	Clay Building Material and Refractories	1,192	0	1,192	0	0	0	0	0	0	0
327211	Flat Glass	667	98	570	0	98	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	1,132	204	928	204	0	0	0	0	0	0
327213	Glass Containers	1,159	13	1,146	13	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	1,351	0	1,351	0	0	0	0	0	0	0
327310	Cements	5,251	0	5,251	0	0	0	0	0	0	0
327410	Lime	676	0	676	0	0	0	0	0	0	0
327420	Gypsum	890	0	890	0	0	0	0	0	0	0
327993	Mineral Wool	1,170	Q	1,170	0	Q	0	0	0	0	0
331	Primary Metals	48,571	232	48,339	67	68	1	0	96	0	0
331110	Iron and Steel Mills and Ferroalloys	26,176	102	26,075	47	55	0	0	0	0	0
3312	Steel Products from Purchased Steel	3,953	0	3,953	0	0	0	0	0	0	0
3313	Alumina and Aluminum	11,518	8	11,510	8	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	225	0	225	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	2,789	0	2,789	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	691	8	683	8	*	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	4,521	14	4,507	1	13	0	0	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	3,001	*	3,000	*	0	0	0	0	0	0
3315	Foundries	2,404	109	2,295	11	0	1	0	96	0	0
331511	Iron Foundries	1,348	96	1,252	0	0	0	0	96	0	0
331523	Nonferrous Metal Die-Casting Foundries	436	12	423	11	0	1	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	155	0	155	0	0	0	0	0	0	0
332	Fabricated Metal Products	7,388	0	7,388	0	0	0	0	0	0	0
333	Machinery	10,417	Q	10,391	Q	0	0	0	0	0	0
334	Computer and Electronic Products	6,895	116	6,779	2	37	0	0	0	0	0
334413	Semiconductors and Related Devices	4,022	37	3,985	0	37	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	4,330	Q	4,326	0	0	0	Q	0	0	0
336	Transportation Equipment	16,687	Q	16,226	Q	144	0	0	Q	0	*
336111	Automobiles	1,749	0	1,749	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	1,970	0	1,970	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	3,424	71	3,353	0	71	0	0	0	0	0
336411	Aircraft	1,344	69	1,275	0	69	0	0	0	0	0
337	Furniture and Related Products	1,764	*	1,764	*	0	0	*	0	*	0
339	Miscellaneous	3,052	0	3,052	0	0	0	0	0	0	0
	Total	354,606	5,578	349,028	2,953	2,019	317	101	105	Q	552

West Census Region

311	Food	27,637	291	27,346	103	164	0	0	38	0	0
3112	Grain and Oilseed Milling	857	56	801	56	0	0	0	0	0	0
311221	Wet Corn Milling	76	56	20	56	0	0	0	0	0	0
31131	Sugar Manufacturing	265	0	265	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	3,596	4	3,592	4	0	0	0	0	0	0
3115	Dairy Product	3,324	177	3,147	43	109	0	0	38	0	0
3116	Animal Slaughtering and Processing	Q	Q	Q	0	Q	0	0	0	0	0
312	Beverage and Tobacco Products	3,400	59	3,341	57	0	0	0	Q	0	0
3121	Beverages	3,398	59	3,339	57	0	0	0	Q	0	0
3122	Tobacco	2	0	2	0	0	0	0	0	0	0
313	Textile Mills	234	0	234	0	0	0	0	0	0	0
314	Textile Product Mills	163	0	163	0	0	0	0	0	0	0
315	Apparel	50	*	49	*	0	0	0	0	0	0
316	Leather and Allied Products	17	0	17	0	0	0	0	0	0	0
321	Wood Products	4,501	37	4,464	4	Q	0	0	Q	0	15
321113	Sawmills	1,628	10	1,618	*	*	0	0	0	0	10
3212	Veneer, Plywood, and Engineered Woods	1,776	Q	1,766	3	Q	0	0	0	0	0
321219	Reconstituted Wood Products	840	0	840	0	0	0	0	0	0	0
3219	Other Wood Products	993	Q	977	0	0	0	0	Q	0	Q
322	Paper	9,830	0	9,830	0	0	0	0	0	0	0
322110	Pulp Mills	88	0	88	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	2,658	0	2,658	0	0	0	0	0	0	0
322122	Newsprint Mills	2,915	0	2,915	0	0	0	0	0	0	0
322130	Paperboard Mills	3,028	0	3,028	0	0	0	0	0	0	0
323	Printing and Related Support	782	0	782	0	0	0	0	0	0	0
324	Petroleum and Coal Products	10,478	412	10,066	383	24	0	0	22	0	38
324110	Petroleum Refineries	10,026	387	9,640	358	0	0	0	22	0	38
324121	Asphalt Paving Mixture and Block	280	25	254	25	24	0	0	0	0	0
324122	Asphalt Shingle and Coating Materials	124	*	124	*	0	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	19	0	19	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	30	0	30	0	0	0	0	0	0	0
325	Chemicals	12,190	418	11,773	403	14	0	0	0	0	*
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	3,991	310	3,681	310	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	3,310	0	3,310	0	0	0	0	0	0	0
325193	Ethyl Alcohol	412	0	412	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	16	0	16	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	738	0	738	0	0	0	0	0	0	0
325211	Plastics Materials and Resins	292	0	292	0	0	0	0	0	0	0
325212	Synthetic Rubber	12	0	12	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	9	*	9	0	*	0	0	0	0	0
325311	Nitrogenous Fertilizers	459	93	366	93	0	0	0	0	0	0

325312	Phosphatic Fertilizers	456	0	456	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	1,393	Q	1,392	*	Q	0	0	0	0	*
325412	Pharmaceutical Preparation	734	*	734	*	0	0	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	173	13	160	0	13	0	0	0	0	0
326	Plastics and Rubber Products	3,370	Q	3,224	Q	0	0	0	0	0	0
327	Nonmetallic Mineral Products	6,173	34	6,140	Q	Q	Q	0	Q	0	*
327120	Clay Building Material and Refractories	78	0	78	0	0	0	0	0	0	0
327211	Flat Glass	167	0	167	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	78	0	78	0	0	0	0	0	0	0
327213	Glass Containers	882	1	881	1	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	313	1	311	1	0	0	0	0	0	0
327310	Cements	2,265	0	2,265	0	0	0	0	0	0	0
327410	Lime	185	0	185	0	0	0	0	0	0	0
327420	Gypsum	250	0	250	0	0	0	0	0	0	0
327993	Mineral Wool	519	11	509	0	10	0	0	0	0	*
331	Primary Metals	11,983	35	11,948	1	33	0	0	1	0	0
331110	Iron and Steel Mills and Ferroalloys	3,338	0	3,338	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	187	0	187	0	0	0	0	0	0	0
3313	Alumina and Aluminum	4,587	1	4,586	0	1	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	230	1	229	0	1	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	445	0	445	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	247	0	247	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	3,083	19	3,064	0	19	0	0	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2,292	19	2,273	0	19	0	0	0	0	0
3315	Foundries	787	15	773	1	13	0	0	1	0	0
331511	Iron Foundries	132	*	132	*	*	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	200	0	200	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	93	1	92	0	0	0	0	1	0	0
332	Fabricated Metal Products	4,135	Q	3,806	0	Q	0	0	0	0	0
333	Machinery	1,217	0	1,217	0	0	0	0	0	0	0
334	Computer and Electronic Products	7,767	9	7,758	*	7	0	0	0	0	0
334413	Semiconductors and Related Devices	5,397	7	5,391	0	7	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	1,397	0	1,397	0	0	0	0	0	0	0
336	Transportation Equipment	4,205	80	4,126	80	80	0	0	0	0	0
336111	Automobiles	250	0	250	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	3	0	3	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	3,027	80	2,947	80	80	0	0	0	0	0
336411	Aircraft	680	79	600	79	79	0	0	0	0	0
337	Furniture and Related Products	514	*	514	*	0	0	0	0	0	0
339	Miscellaneous	1,004	Q	964	0	Q	0	0	0	0	Q
	Total	111,046	1,889	109,157	1,187	718	Q	0	80	0	64

Economic Characteristic (f)

Value of Shipments and Receipts**(million dollars)**

Under 20	95,245	1,079	94,165	270	Q	35	Q	43	Q	Q
20-49	78,657	D	D	Q	659	D	1	Q	0	Q
50-99	118,214	1,307	116,907	926	997	Q	Q	Q	Q	15
100-249	151,436	2,011	149,425	700	1,295	186	59	316	0	27
250-499	102,908	1,708	101,200	1,039	351	11	51	0	*	352
500 and Over	238,954	3,817	235,137	2,692	835	D	134	103	0	458
Total	785,414	D	D	6,197	4,756	1,047	489	1,055	Q	888

Employment Size

Under 50	94,301	1,071	93,230	270	816	36	Q	31	Q	Q
50-99	81,725	D	D	385	541	Q	Q	146	Q	1
100-249	190,391	2,383	188,008	1,150	849	Q	28	Q	0	87
250-499	174,422	2,760	171,663	1,929	1,376	Q	68	Q	*	181
500-999	137,773	3,129	134,644	1,787	698	377	140	171	*	595
1000 and Over	106,801	1,197	105,605	676	477	11	11	Q	0	6
Total	785,414	D	D	6,197	4,756	1,047	489	1,055	Q	888

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

(b) *Alternative Energy Sources* consist of those energy sources that could have been substituted for electricity receipts during 2018. The quantities are expressed in millions of kilowatt-hours, and therefore represent the quantity of electricity that could have been displaced by the given alternative type of energy.

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

(d) *Other* includes all other types of energy not already identified that respondents indicated could have been consumed in place of electricity.

(e) *Value of Shipments and Receipts* and *Employment Size* categories were supplied by the Bureau of the Census.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

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

NA=Not available.

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

Sources: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2018 Annual Survey of Manufactures*.

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) and (Approval ID: CBDRB-FY21-312).

Released: February 2021
 Next MECS will be fielded in 2023.

RSE Table 10.6 Relative Standard Errors for Table 10.6;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Electricity Receipts			Alternative Energy Sources(b)						
		Total Receipts(c)	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	HGL (excluding natural gasoline)	Coal Coke and Breeze	Other(d)
Total United States											
311	Food	11.4	12.5	11.5	20.3	15.3	32.5	X	51.6	X	96.4
3112	Grain and Oilseed Milling	1.9	4.0	1.9	0.0	83.5	X	X	X	X	X
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	6.1	5.4	6.1	0.0	56.0	X	X	X	X	X
3115	Dairy Product	3.3	11.6	3.4	16.5	13.7	36.0	X	0.0	X	X
3116	Animal Slaughtering and Processing	31.0	29.9	31.4	56.8	30.0	90.0	X	90.0	X	96.4
312	Beverage and Tobacco Products	15.5	27.2	15.7	15.1	58.2	X	X	85.9	X	X
3121	Beverages	16.4	27.2	16.6	15.1	58.2	X	X	89.7	X	X
3122	Tobacco	0.0	0.0	0.0	X	X	X	X	0.0	X	X
313	Textile Mills	6.1	35.3	6.3	25.4	37.7	40.3	87.3	20.0	87.3	X
314	Textile Product Mills	7.9	95.8	7.9	X	X	95.8	X	X	X	X
315	Apparel	11.3	71.0	11.5	39.1	X	X	X	X	X	72.6
316	Leather and Allied Products	5.1	38.1	5.1	38.1	X	X	X	X	X	X
321	Wood Products	2.9	14.1	2.9	7.8	16.0	77.6	84.0	65.6	X	36.4
321113	Sawmills	6.2	6.4	6.2	0.1	11.2	X	84.0	0.0	X	3.9
3212	Veneer, Plywood, and Engineered Woods	1.2	39.8	1.2	0.0	49.1	X	X	X	X	X
321219	Reconstituted Wood Products	1.5	X	1.5	X	X	X	X	X	X	X
3219	Other Wood Products	5.8	17.6	5.9	64.7	18.8	77.6	X	88.6	X	99.0
322	Paper	1.2	D	D	0.1	0.0	0.0	0.0	0.0	0.0	0.0
322110	Pulp Mills	0.0	D	D	0.0	0.0	0.0	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
322122	Newsprint Mills	0.0	X	0.0	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X	0.0
323	Printing and Related Support	7.8	61.7	7.9	61.7	X	X	99.0	X	99.0	X
324	Petroleum and Coal Products	0.5	1.1	0.5	0.3	7.4	42.0	2.5	0.0	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	8.7	10.3	9.4	6.6	9.6	42.0	0.0	X	X	X
324122	Asphalt Shingle and Coating Materials	1.7	0.1	1.7	0.4	0.0	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	18.4	1.7	18.9	2.6	0.0	X	2.6	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325	Chemicals	1.4	16.4	1.4	8.8	30.4	18.6	X	0.6	X	0.4
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
325120	Industrial Gases	3.5	0.0	3.6	0.0	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	2.0	12.8	2.0	0.0	33.2	X	X	X	X	X
325193	Ethyl Alcohol	1.9	X	1.9	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	5.2	2.0	5.3	0.0	7.5	69.0	X	X	X	X

325211	Plastics Materials and Resins	2.4	60.8	2.5	65.0	85.4	X	X	93.1	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
325311	Nitrogenous Fertilizers	12.5	0.0	12.8	0.0	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
3254	Pharmaceuticals and Medicines	2.9	20.7	3.0	40.6	22.8	X	X	0.0	X	0.1
325412	Pharmaceutical Preparation	1.7	31.0	1.7	91.6	31.2	X	X	X	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.3	0.2	0.3	0.0	0.0	X	X	X	X	30.7
326	Plastics and Rubber Products	7.7	53.4	7.7	87.8	66.3	X	X	X	X	X
327	Nonmetallic Mineral Products	2.5	14.1	2.6	17.7	15.3	67.8	X	37.1	X	0.0
327120	Clay Building Material and Refractories	3.6	0.0	3.6	0.0	0.0	0.0	X	0.0	X	0.0
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.6	0.0	0.7	0.0	X	X	X	X	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	1.4	0.0	1.4	0.0	X	X	X	X	X	X
327310	Cements	0.4	X	0.4	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	2.0	X	2.0	X	X	X	X	X	X	X
327993	Mineral Wool	0.4	0.5	0.4	0.0	0.5	X	X	0.0	X	0.0
331	Primary Metals	1.1	2.9	1.1	0.7	7.1	0.0	X	0.0	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
3312	Steel Products from Purchased Steel	17.6	70.0	17.6	69.4	73.8	X	X	X	X	X
3313	Alumina and Aluminum	0.1	2.2	0.1	2.4	16.7	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	1.5	0.0	1.5	X	0.0	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.2	2.4	1.2	2.4	43.5	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	0.9	1.4	0.9	9.3	0.0	X	X	0.0	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.6	0.0	0.6	0.0	0.0	X	X	0.0	X	X
3315	Foundries	0.9	2.0	0.9	1.2	8.4	0.0	X	0.0	X	X
331511	Iron Foundries	1.5	0.2	1.6	0.6	0.3	X	X	0.0	X	X
331523	Nonferrous Metal Die-Casting Foundries	1.2	12.1	1.2	0.0	47.6	0.0	X	0.0	X	X
331524	Aluminum Foundries, except Die-Casting	1.1	21.8	1.1	X	25.8	X	X	0.0	X	X
332	Fabricated Metal Products	10.0	57.4	10.3	99.1	69.9	99.2	X	99.2	X	X
333	Machinery	17.2	82.2	17.4	99.0	77.7	X	98.8	99.0	X	X
334	Computer and Electronic Products	6.8	14.5	6.8	29.0	0.0	X	X	99.0	X	X
334413	Semiconductors and Related Devices	3.3	0.0	3.3	X	0.0	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	8.8	84.6	8.8	X	X	X	84.6	X	X	X
336	Transportation Equipment	9.2	44.3	9.3	55.3	26.8	0.0	X	89.7	X	0.1
336111	Automobiles	0.0	0.0	0.0	X	X	X	X	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3364	Aerospace Product and Parts	4.2	6.5	4.2	0.0	7.0	0.0	X	X	X	X
336411	Aircraft	10.0	0.0	10.5	0.0	0.0	X	X	X	X	X
337	Furniture and Related Products	8.6	89.5	8.7	89.5	92.6	X	92.1	92.6	92.1	X
339	Miscellaneous	11.2	59.9	11.3	82.1	60.0	99.0	99.0	99.0	99.0	99.0
	Total	1.8	D	D	9.0	14.6	43.0	43.6	43.0	64.6	1.9

Northeast Census Region

311	Food	11.7	33.7	12.0	58.6	45.5	34.1	X	99.0	X	96.4
3112	Grain and Oilseed Milling	5.2	X	5.2	X	X	X	X	X	X	X
311221	Wet Corn Milling	0.0	X	0.0	X	X	X	X	X	X	X

31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	6.5	5.5	6.8	0.0	70.8	X	X	X	X	X	X
3115	Dairy Product	4.7	25.0	4.9	X	25.0	36.0	X	X	X	X	X
3116	Animal Slaughtering and Processing	2.9	8.8	3.0	X	0.0	X	X	X	X	X	96.4
312	Beverage and Tobacco Products	7.1	0.0	7.1	0.0	X	X	X	X	X	X	X
3121	Beverages	7.2	0.0	7.2	0.0	X	X	X	X	X	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X	X
313	Textile Mills	6.3	20.0	6.5	20.0	X	X	X	20.0	X	X	X
314	Textile Product Mills	32.3	95.8	32.6	X	X	95.8	X	X	X	X	X
315	Apparel	30.5	X	30.5	X	X	X	X	X	X	X	X
316	Leather and Allied Products	8.7	38.1	8.7	38.1	X	X	X	X	X	X	X
321	Wood Products	8.5	13.4	8.5	54.6	11.7	X	X	0.0	X	X	0.0
321113	Sawmills	1.9	20.8	1.9	0.0	20.8	X	X	0.0	X	X	0.0
3212	Veneer, Plywood, and Engineered Woods	1.4	0.0	1.4	X	0.0	X	X	X	X	X	X
321219	Reconstituted Wood Products	0.0	X	0.0	X	X	X	X	X	X	X	X
3219	Other Wood Products	15.4	64.7	15.4	64.7	X	X	X	X	X	X	X
322	Paper	6.7	D	D	0.0	0.0	0.0	0.0	X	X	X	0.0
322110	Pulp Mills	D	D	0.0	0.0	0.0	0.0	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	X	X	0.0	X	X	X	0.0
322122	Newsprint Mills	X	X	X	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	X	X	X	X	X	X	X	X
323	Printing and Related Support	21.9	X	21.9	X	X	X	X	X	X	X	X
324	Petroleum and Coal Products	0.6	17.0	0.6	X	27.0	42.0	X	X	X	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	X	X	X	X	X	X	X	0.0
324121	Asphalt Paving Mixture and Block	5.9	43.6	6.0	X	27.0	42.0	X	X	X	X	X
324122	Asphalt Shingle and Coating Materials	0.0	X	0.0	X	X	X	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	3.8	X	3.8	X	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X	X
325	Chemicals	4.4	22.2	4.4	0.0	22.9	X	X	X	X	X	X
325110	Petrochemicals	0.0	0.0	0.0	X	0.0	X	X	X	X	X	X
325120	Industrial Gases	11.4	X	11.4	X	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	1.8	X	1.8	X	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	0.7	0.0	0.7	0.0	X	X	X	X	X	X	X
325211	Plastics Materials and Resins	1.8	49.6	1.7	X	49.6	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	2.8	25.1	2.9	X	25.1	X	X	X	X	X	X
325412	Pharmaceutical Preparation	4.0	25.4	4.1	X	25.4	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0	X	X	X	X	X	X	X	X
326	Plastics and Rubber Products	32.1	96.7	32.7	X	96.7	X	X	X	X	X	X
327	Nonmetallic Mineral Products	14.7	80.6	14.8	0.0	96.4	X	X	X	X	X	X
327120	Clay Building Material and Refractories	4.1	X	4.1	X	X	X	X	X	X	X	X
327211	Flat Glass	0.0	X	0.0	X	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	1.6	X	1.6	X	X	X	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	1.3	0.0	1.3	0.0	X	X	X	X	X	X	X

327310	Cements	0.0	X	0.0	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	0.0	X	0.0	X	X	X	X	X	X	X
331	Primary Metals	0.6	20.2	0.6	27.6	0.0	X	X	0.0	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	7.9	69.4	7.9	69.4	X	X	X	X	X	X
3313	Alumina and Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	X	0.0	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	2.9	62.9	2.9	62.9	X	X	X	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	0.0	X	X	X	X	X	X	X
3315	Foundries	2.1	0.0	2.1	0.0	0.0	X	X	0.0	X	X
331511	Iron Foundries	1.1	0.0	1.1	X	0.0	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	12.4	X	12.4	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	3.1	X	3.1	X	X	X	X	X	X	X
332	Fabricated Metal Products	27.0	99.5	27.0	99.5	X	X	X	X	X	X
333	Machinery	21.2	X	21.2	X	X	X	X	X	X	X
334	Computer and Electronic Products	12.3	X	12.3	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	2.2	X	2.2	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	25.1	X	25.1	X	X	X	X	X	X	X
336	Transportation Equipment	53.8	13.0	54.0	0.0	59.3	0.0	X	X	X	X
336111	Automobiles	0.0	X	0.0	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	5.3	13.0	5.4	0.0	59.3	0.0	X	X	X	X
336411	Aircraft	0.0	X	0.0	X	X	X	X	X	X	X
337	Furniture and Related Products	25.0	70.1	25.1	70.1	X	X	X	X	X	X
339	Miscellaneous	37.0	99.0	37.2	99.0	99.0	99.0	99.0	99.0	99.0	X
	Total	5.1	D	D	13.5	39.5	5.8	90.0	72.8	99.0	0.6

Midwest Census Region

311	Food	4.2	17.8	4.3	20.3	19.4	90.0	X	90.0	X	X
3112	Grain and Oilseed Milling	1.9	9.8	1.9	0.0	83.5	X	X	X	X	X
311221	Wet Corn Milling	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	15.6	86.5	15.6	X	86.5	X	X	X	X	X
3115	Dairy Product	4.5	16.7	4.9	96.8	17.8	X	X	X	X	X
3116	Animal Slaughtering and Processing	3.5	36.7	3.6	90.0	36.7	90.0	X	90.0	X	X
312	Beverage and Tobacco Products	4.7	58.4	4.6	X	58.4	X	X	X	X	X
3121	Beverages	4.7	58.4	4.6	X	58.4	X	X	X	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	12.7	X	12.7	X	X	X	X	X	X	X
314	Textile Product Mills	41.4	X	41.4	X	X	X	X	X	X	X
315	Apparel	40.9	X	40.9	X	X	X	X	X	X	X
316	Leather and Allied Products	7.8	X	7.8	X	X	X	X	X	X	X
321	Wood Products	6.9	72.3	6.9	X	78.7	77.6	X	X	X	X
321113	Sawmills	9.7	87.9	9.7	X	87.9	X	X	X	X	X
3212	Veneer, Plywood, and Engineered Woods	1.1	X	1.1	X	X	X	X	X	X	X
321219	Reconstituted Wood Products	0.8	X	0.8	X	X	X	X	X	X	X

3219	Other Wood Products	11.6	74.5	11.8	X	81.3	77.6	X	X	X	X
322	Paper	4.7	0.0	4.9	0.0	0.0	0.0	0.0	0.0	X	0.0
322110	Pulp Mills	D	X	D	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	X	X	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	X	X	X	X	X	X
323	Printing and Related Support	12.5	99.0	12.6	99.0	X	X	X	X	X	X
324	Petroleum and Coal Products	0.1	0.8	0.1	0.1	8.2	X	0.0	0.0	X	X
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	X	X	X	0.0	X	X
324121	Asphalt Paving Mixture and Block	2.6	20.6	2.7	0.0	44.2	X	0.0	X	X	X
324122	Asphalt Shingle and Coating Materials	3.4	3.5	3.4	3.5	X	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	3.6	0.0	3.9	X	0.0	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325	Chemicals	2.5	11.1	2.6	8.3	18.0	69.0	X	1.5	X	X
325110	Petrochemicals	0.0	X	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	3.2	X	3.2	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	0.7	0.0	0.7	0.0	0.0	X	X	X	X	X
325193	Ethyl Alcohol	2.1	X	2.1	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	5.5	64.5	5.5	X	64.5	69.0	X	X	X	X
325211	Plastics Materials and Resins	2.3	90.8	2.3	93.1	91.2	X	X	93.1	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.1	X	0.1	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	8.4	18.7	8.6	16.6	20.9	X	X	0.0	X	X
325412	Pharmaceutical Preparation	1.9	39.3	1.9	0.0	41.4	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	0.0	0.0	X	X	X	X	X	X
326	Plastics and Rubber Products	12.8	97.8	12.8	97.8	X	X	X	X	X	X
327	Nonmetallic Mineral Products	4.0	37.3	3.9	38.3	6.1	0.0	X	38.3	X	0.0
327120	Clay Building Material and Refractories	3.6	0.0	3.7	0.0	0.0	0.0	X	0.0	X	0.0
327211	Flat Glass	0.0	X	0.0	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.9	X	0.9	X	X	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	2.6	X	2.6	X	X	X	X	X	X	X
327310	Cements	0.1	X	0.1	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	2.2	X	2.2	X	X	X	X	X	X	X
327993	Mineral Wool	0.7	0.0	0.7	0.0	0.0	X	X	0.0	X	X
331	Primary Metals	0.2	13.3	0.2	0.6	25.2	X	X	0.0	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
3312	Steel Products from Purchased Steel	1.8	73.8	1.8	X	73.8	X	X	X	X	X
3313	Alumina and Aluminum	0.2	X	0.2	X	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	3.3	X	3.3	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	2.5	X	2.5	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	0.9	0.0	0.9	0.0	0.0	X	X	0.0	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
3315	Foundries	1.3	11.4	1.3	2.2	13.5	X	X	0.0	X	X
331511	Iron Foundries	2.2	0.0	2.3	0.0	0.0	X	X	0.0	X	X

331523	Nonferrous Metal Die-Casting Foundries	1.5	27.8	1.6	0.0	47.6	X	X	0.0	X	X
331524	Aluminum Foundries, except Die-Casting	1.5	25.8	1.5	X	25.8	X	X	X	X	X
332	Fabricated Metal Products	15.6	70.6	16.0	99.2	97.0	99.2	X	99.2	X	X
333	Machinery	13.8	90.7	14.0	X	77.7	X	98.8	99.0	X	X
334	Computer and Electronic Products	16.0	69.8	16.2	99.0	X	X	X	99.0	X	X
334413	Semiconductors and Related Devices	11.6	X	11.6	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	21.7	X	21.7	X	X	X	X	X	X	X
336	Transportation Equipment	15.5	31.8	15.5	6.7	38.5	X	X	X	X	0.0
336111	Automobiles	0.0	0.0	0.0	X	X	X	X	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3364	Aerospace Product and Parts	2.5	80.5	2.6	X	80.5	X	X	X	X	X
336411	Aircraft	1.6	X	1.6	X	X	X	X	X	X	X
337	Furniture and Related Products	15.5	92.6	15.6	92.6	92.6	X	X	92.6	X	X
339	Miscellaneous	15.4	95.0	15.6	95.0	X	X	X	X	X	X
	Total	2.5	18.0	2.5	27.0	28.1	95.2	57.0	56.1	X	0.0

South Census Region

311	Food	5.7	58.4	5.8	0.0	58.4	X	X	X	X	X
3112	Grain and Oilseed Milling	6.1	X	6.1	X	X	X	X	X	X	X
311221	Wet Corn Milling	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	5.4	X	5.4	X	X	X	X	X	X	X
3115	Dairy Product	12.5	0.0	12.6	X	0.0	X	X	X	X	X
3116	Animal Slaughtering and Processing	4.2	73.7	4.3	0.0	73.7	X	X	X	X	X
312	Beverage and Tobacco Products	28.4	0.0	28.4	X	0.0	X	X	0.0	X	X
3121	Beverages	31.5	0.0	31.5	X	0.0	X	X	X	X	X
3122	Tobacco	0.0	0.0	0.0	X	X	X	X	0.0	X	X
313	Textile Mills	6.7	37.2	7.0	87.3	37.7	40.3	87.3	X	87.3	X
314	Textile Product Mills	9.4	X	9.4	X	X	X	X	X	X	X
315	Apparel	15.6	72.6	16.0	X	X	X	X	X	X	72.6
316	Leather and Allied Products	12.6	X	12.6	X	X	X	X	X	X	X
321	Wood Products	4.6	1.4	4.7	0.1	1.4	X	84.0	X	X	X
321113	Sawmills	8.8	1.3	8.8	0.1	0.8	X	84.0	X	X	X
3212	Veneer, Plywood, and Engineered Woods	1.7	X	1.7	X	X	X	X	X	X	X
321219	Reconstituted Wood Products	2.3	X	2.3	X	X	X	X	X	X	X
3219	Other Wood Products	11.0	0.0	11.6	X	0.0	X	X	X	X	X
322	Paper	2.4	8.4	2.5	0.1	0.0	X	0.0	X	0.0	0.0
322110	Pulp Mills	0.0	0.0	0.0	0.0	X	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0	X
322122	Newsprint Mills	0.0	X	0.0	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X	0.0
323	Printing and Related Support	16.0	69.9	16.0	69.9	X	X	99.0	X	99.0	X
324	Petroleum and Coal Products	0.8	2.6	0.8	0.8	13.5	X	2.6	X	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	X	X	X	X	0.0
324121	Asphalt Paving Mixture and Block	20.4	15.3	22.5	41.0	16.1	X	X	X	X	X
324122	Asphalt Shingle and Coating Materials	2.8	0.0	2.9	0.0	0.0	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	22.5	2.6	23.1	2.6	X	X	2.6	X	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	2.0	23.6	2.0	15.4	35.1	0.0	X	0.0	X	0.4
325110	Petrochemicals	0.0	0.0	0.0	0.0	X	X	X	0.0	X	X

325120	Industrial Gases	7.1	X	7.1	X	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	2.8	41.1	2.8	X	41.1	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	7.3	0.0	7.4	0.0	0.0	X	X	X	X	X	X
325211	Plastics Materials and Resins	2.9	65.0	3.0	65.0	94.7	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	X	0.0	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325311	Nitrogenous Fertilizers	22.3	X	22.3	X	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X	X
3254	Pharmaceuticals and Medicines	2.0	48.3	1.9	88.8	49.5	X	X	X	X	0.0	0.0
325412	Pharmaceutical Preparation	2.5	49.5	2.1	93.0	49.5	X	X	X	X	0.0	0.0
325992	Photographic Film, Paper, Plate, and Chemicals	0.9	30.7	0.9	X	X	X	X	X	X	30.7	30.7
326	Plastics and Rubber Products	15.0	72.4	15.1	X	72.4	X	X	X	X	X	X
327	Nonmetallic Mineral Products	2.7	6.9	2.7	0.5	19.4	X	X	99.0	X	X	X
327120	Clay Building Material and Refractories	5.3	X	5.3	X	X	X	X	X	X	X	X
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.6	0.0	0.7	0.0	X	X	X	X	X	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	1.8	X	1.8	X	X	X	X	X	X	X	X
327310	Cements	0.7	X	0.7	X	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X	X
327420	Gypsum	3.3	X	3.3	X	X	X	X	X	X	X	X
327993	Mineral Wool	0.7	59.0	0.7	X	59.0	X	X	X	X	X	X
331	Primary Metals	2.5	0.1	2.5	0.3	0.3	0.0	X	0.0	X	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	30.7	X	30.7	X	X	X	X	X	X	X	X
3313	Alumina and Aluminum	0.1	2.4	0.1	2.4	43.5	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	2.5	X	2.5	X	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.4	2.4	1.4	2.4	43.5	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	1.6	0.7	1.6	15.2	0.0	X	X	X	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	0.0	0.0	X	X	X	X	X	X	X
3315	Foundries	1.4	0.0	1.5	0.0	X	0.0	X	0.0	X	X	X
331511	Iron Foundries	2.3	0.0	2.5	X	X	X	X	0.0	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	1.3	0.0	1.3	0.0	X	0.0	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	2.2	X	2.2	X	X	X	X	X	X	X	X
332	Fabricated Metal Products	21.4	X	21.4	X	X	X	X	X	X	X	X
333	Machinery	37.4	99.0	37.5	99.0	X	X	X	X	X	X	X
334	Computer and Electronic Products	19.2	0.0	19.5	0.0	0.0	X	X	X	X	X	X
334413	Semiconductors and Related Devices	2.9	0.0	2.9	X	0.0	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	13.7	84.6	13.7	X	X	X	84.6	X	X	X	X
336	Transportation Equipment	9.4	56.7	9.5	68.6	46.9	X	X	89.7	X	99.0	99.0
336111	Automobiles	0.0	X	0.0	X	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	11.4	1.8	11.7	X	1.8	X	X	X	X	X	X
336411	Aircraft	19.9	0.0	21.0	X	0.0	X	X	X	X	X	X
337	Furniture and Related Products	17.0	92.1	17.0	92.1	X	X	92.1	X	92.1	X	X
339	Miscellaneous	18.2	X	18.2	X	X	X	X	X	X	X	X
	Total	1.9	8.6	1.9	9.5	18.4	38.0	6.7	4.5	65.5	2.2	2.2

West Census Region

311	Food	37.2	19.0	37.6	0.0	33.8	X	X	0.0	X	X
3112	Grain and Oilseed Milling	7.6	0.0	8.1	0.0	X	X	X	X	X	X
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	5.0	0.0	5.0	0.0	X	X	X	X	X	X
3115	Dairy Product	3.0	17.8	3.2	0.0	28.9	X	X	0.0	X	X
3116	Animal Slaughtering and Processing	73.8	83.2	74.1	X	83.2	X	X	X	X	X
312	Beverage and Tobacco Products	10.6	17.7	10.7	17.2	X	X	X	89.7	X	X
3121	Beverages	10.6	17.7	10.8	17.2	X	X	X	89.7	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	15.7	X	15.7	X	X	X	X	X	X	X
314	Textile Product Mills	42.1	X	42.1	X	X	X	X	X	X	X
315	Apparel	26.1	39.1	26.2	39.1	X	X	X	X	X	X
316	Leather and Allied Products	7.6	X	7.6	X	X	X	X	X	X	X
321	Wood Products	3.6	34.6	3.6	0.0	90.6	X	X	88.6	X	37.5
321113	Sawmills	2.7	4.8	2.7	0.0	22.3	X	X	X	X	4.1
3212	Veneer, Plywood, and Engineered Woods	2.5	66.4	2.5	0.0	96.9	X	X	X	X	X
321219	Reconstituted Wood Products	1.0	X	1.0	X	X	X	X	X	X	X
3219	Other Wood Products	15.0	66.8	15.2	X	X	X	X	88.6	X	99.0
322	Paper	3.1	X	3.1	X	X	X	X	X	X	X
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	X	0.0	X	X	X	X	X	X	X
322122	Newsprint Mills	0.0	X	0.0	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	X	X	X	X	X	X	X
323	Printing and Related Support	23.8	X	23.8	X	X	X	X	X	X	X
324	Petroleum and Coal Products	0.3	0.2	0.3	0.3	0.0	X	X	0.0	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	X	X	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	10.4	4.0	11.4	4.1	0.0	X	X	X	X	X
324122	Asphalt Shingle and Coating Materials	3.1	0.0	3.1	0.0	X	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Products	0.0	X	0.0	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	5.1	0.3	5.3	0.1	8.6	X	X	X	X	96.4
325110	Petrochemicals	X	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	4.7	0.0	5.1	0.0	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	1.3	X	1.3	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	4.2	X	4.2	X	X	X	X	X	X	X
325211	Plastics Materials and Resins	0.8	X	0.8	X	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325311	Nitrogenous Fertilizers	8.6	0.0	10.8	0.0	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	6.5	84.1	6.5	86.7	93.2	X	X	X	X	96.4
325412	Pharmaceutical Preparation	8.3	85.1	8.3	86.7	X	X	X	X	X	96.4
325992	Photographic Film, Paper, Plate, and Chemicals	0.1	0.0	0.1	X	0.0	X	X	X	X	X
326	Plastics and Rubber Products	32.6	99.0	33.8	99.0	X	X	X	X	X	X
327	Nonmetallic Mineral Products	9.0	46.7	9.0	75.7	50.4	99.0	X	99.0	X	0.0

327120	Clay Building Material and Refractories	2.0	X	2.0	X	X	X	X	X	X	X	X
327211	Flat Glass	0.0	X	0.0	X	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	11.1	X	11.1	X	X	X	X	X	X	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	1.8	0.0	1.8	0.0	X	X	X	X	X	X	X
327310	Cements	0.8	X	0.8	X	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X	X
327420	Gypsum	2.5	X	2.5	X	X	X	X	X	X	X	X
327993	Mineral Wool	1.3	0.0	1.3	X	0.0	X	X	X	X	X	0.0
331	Primary Metals	0.6	0.6	0.6	5.8	0.1	X	X	X	0.0	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	7.8	X	7.8	X	X	X	X	X	X	X	X
3313	Alumina and Aluminum	0.2	0.0	0.2	X	0.0	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	0.0	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	4.4	X	4.4	X	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	2.1	0.0	2.1	X	0.0	X	X	X	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1.9	0.0	1.9	X	0.0	X	X	X	X	X	X
3315	Foundries	1.8	1.4	1.8	5.8	0.3	X	X	X	0.0	X	X
331511	Iron Foundries	0.5	91.9	0.5	91.9	91.9	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	1.3	X	1.3	X	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	2.5	0.0	2.5	X	X	X	X	X	0.0	X	X
332	Fabricated Metal Products	27.5	99.5	28.7	X	99.5	X	X	X	X	X	X
333	Machinery	24.0	X	24.0	X	X	X	X	X	X	X	X
334	Computer and Electronic Products	6.7	24.3	6.7	99.0	0.0	X	X	X	X	X	X
334413	Semiconductors and Related Devices	6.3	0.0	6.3	X	0.0	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	22.5	X	22.5	X	X	X	X	X	X	X	X
336	Transportation Equipment	11.0	0.0	11.2	0.0	0.0	X	X	X	X	X	X
336111	Automobiles	0.0	X	0.0	X	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	2.3	0.0	2.4	0.0	0.0	X	X	X	X	X	X
336411	Aircraft	6.7	0.0	7.5	0.0	0.0	X	X	X	X	X	X
337	Furniture and Related Products	26.7	99.0	26.7	99.0	X	X	X	X	X	X	X
339	Miscellaneous	23.6	60.9	24.0	X	75.1	X	X	X	X	X	99.0
	Total	9.4	19.3	9.6	12.3	46.4	99.0	X	X	14.0	X	18.8

Economic Characteristic (f)

Value of Shipments and Receipts (million dollars)

Under 20	6.2	37.1	6.2	28.4	54.4	45.7	88.8	37.9	79.1	63.5
20-49	4.9	D	D	51.3	31.1	D	0.0	98.7	X	72.6
50-99	9.2	35.3	9.3	48.5	45.7	95.6	87.2	79.4	87.3	0.0
100-249	3.2	17.3	3.2	17.5	26.1	3.8	0.0	38.9	X	0.0
250-499	3.7	4.1	3.7	0.0	20.0	0.0	0.0	X	0.0	0.0
500 and Over	1.0	2.5	1.0	2.5	7.4	D	0.0	4.5	X	0.0
Total	1.8	D	D	9.0	14.6	43.0	43.6	43.0	64.6	1.9

Employment Size										
Under 50	5.0	37.2	5.1	17.0	48.7	44.2	74.3	48.0	79.1	66.6
50-99	5.8	D	D	31.7	24.9	89.4	95.1	32.2	87.3	46.0
100-249	6.0	18.7	6.1	25.2	21.2	68.2	11.7	55.1	X	14.0
250-499	2.7	18.7	2.7	23.7	36.8	98.5	0.1	65.7	92.1	0.0
500-999	2.2	4.4	2.3	0.1	19.6	0.0	0.0	0.0	0.0	0.0
1000 and Over	2.1	7.3	2.1	7.8	13.0	0.0	0.0	89.7	X	0.0
Total	1.8	D	D	9.0	14.6	43.0	43.6	43.0	64.6	1.9

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

(b) *Alternative Energy Sources* consist of those energy sources that could have been substituted for electricity receipts during 2018. The quantities are expressed in millions of kilowatt-hours, and therefore represent the quantity of electricity that could have been displaced by the given alternative type of energy.

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

(d) *Other* includes all other types of energy not already identified that respondents indicated could have been consumed in place of electricity.

(e) *Value of Shipments and Receipts* and *Employment Size* categories were supplied by the Bureau of the Census.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error 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.

Sources: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2018 Annual Survey of Manufactures*.

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) and (Approval ID: CBDRB-FY21-312).