

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

Table 7.6 Quantity of Purchased Energy Sources, 2018;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	HGL (excluding natural gasoline)(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
Total United States										
311	Food	1,122	91,916	*	D	649	2	2	D	64
3112	Grain and Oilseed Milling	246	14,689	*	*	144	*	1	0	26
311221	Wet Corn Milling	113	6,035	0	*	59	*	1	0	20
31131	Sugar Manufacturing	69	1,113	*	D	32	*	1	D	D
3114	Fruit and Vegetable Preserving and Specialty Food	130	9,945	*	*	90	*	0	0	1
3115	Dairy Product	124	11,509	*	*	78	*	0	0	1
3116	Animal Slaughtering and Processing	277	31,666	0	1	145	*	0	0	14
312	Beverage and Tobacco Products	106	14,184	*	*	52	*	*	0	1
3121	Beverages	98	13,418	*	*	47	*	*	0	1
3122	Tobacco	7	766	*	*	4	*	0	0	*
313	Textile Mills	64	10,879	*	*	22	*	*	0	1
314	Textile Product Mills	22	2,842	0	*	11	*	*	0	*
315	Apparel	4	722	0	*	2	*	*	0	*
316	Leather and Allied Products	2	226	0	*	1	*	0	0	*
321	Wood Products	241	21,761	*	2	65	1	*	0	82
321113	Sawmills	77	8,180	*	1	17	*	0	0	26
3212	Veneer, Plywood, and Engineered Woods	84	6,817	*	*	30	*	*	0	28
321219	Reconstituted Wood Products	53	4,289	*	*	20	*	0	0	18
3219	Other Wood Products	71	6,310	*	Q	15	*	*	0	27
322	Paper	1,094	55,952	1	1	554	1	3	0	259
322110	Pulp Mills	70	2,033	*	*	39	*	*	0	19
322121	Paper Mills, except Newsprint	403	17,888	1	*	218	*	2	0	71
322122	Newsprint Mills	38	4,946	0	*	5	*	0	0	16
322130	Paperboard Mills	466	18,401	*	*	227	*	1	0	150
323	Printing and Related Support	59	10,032	0	*	24	*	0	0	*
324	Petroleum and Coal Products	2,664	54,317	*	D	1,070	1	D	0	1,147
324110	Petroleum Refineries	1,557	50,007	0	0	988	*	0	0	361
324121	Asphalt Paving Mixture and Block	470	1,378	*	1	40	1	*	0	411
324122	Asphalt Shingle and Coating Materials	275	930	*	*	13	*	0	0	258
324191	Petroleum Lubricating Oil and Grease Products	27	1,393	0	*	20	*	0	0	1
324199	Other Petroleum and Coal Products	334	610	0	D	8	*	D	0	117
325	Chemicals	7,465	157,413	7	2	3,059	806	6	*	979
325110	Petrochemicals	1,684	7,416	0	*	278	337	0	0	323
325120	Industrial Gases	321	22,641	0	*	227	*	0	0	8
325180	Other Basic Inorganic Chemicals	562	28,642	7	*	254	16	2	*	67
325193	Ethyl Alcohol	453	10,628	0	*	347	*	2	0	11
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	248	3,515	0	*	116	19	*	0	34
325199	Other Basic Organic Chemicals	1,417	20,931	*	Q	575	110	2	0	341
325211	Plastics Materials and Resins	1,672	24,174	0	*	409	320	*	0	120
325212	Synthetic Rubber	38	1,417	0	*	19	1	*	0	9
325220	Artificial and Synthetic Fibers and Filaments	33	2,728	0	*	22	*	*	0	*
325311	Nitrogenous Fertilizers	D	5,137	0	*	560	*	0	0	D
325312	Phosphatic Fertilizers	38	2,085	*	D	D	*	D	0	D
3254	Pharmaceuticals and Medicines	115	10,447	0	*	61	*	0	0	15
325412	Pharmaceutical Preparation	66	6,115	0	*	30	*	0	0	14
325992	Photographic Film, Paper, Plate, and Chemicals	D	923	0	*	3	*	0	0	D
326	Plastics and Rubber Products	257	49,327	0	*	81	1	0	0	*
327	Nonmetallic Mineral Products	816	37,910	*	4	337	1	9	*	113
327120	Clay Building Material and Refractories	49	1,767	0	*	35	*	*	*	2
327211	Flat Glass	46	1,419	0	*	40	*	*	0	*
327212	Other Pressed and Blown Glass and Glassware	31	2,123	0	*	22	*	0	0	1
327213	Glass Containers	54	3,447	0	*	41	*	0	0	*
327215	Glass Products from Purchased Glass	22	3,670	0	*	9	*	0	0	*
327310	Cements	274	11,421	0	*	56	*	5	*	65
327410	Lime	107	1,398	0	*	18	*	3	*	17
327420	Gypsum	59	1,541	0	*	50	*	0	0	*
327993	Mineral Wool	33	3,110	0	*	21	*	*	*	*
331	Primary Metals	1,663	113,382	*	1	658	1	13	8	29
331110	Iron and Steel Mills and Ferroalloys	1,197	56,170	*	1	436	*	13	8	15
3312	Steel Products from Purchased Steel	53	6,914	0	*	25	*	*	*	1
3313	Alumina and Aluminum	218	26,260	0	*	113	*	0	0	10
331314	Secondary Smelting and Alloying of Aluminum	21	780	0	*	18	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	73	5,377	0	*	52	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	24	1,917	0	*	17	*	0	0	*
3314	Nonferrous Metals, except Aluminum	102	13,272	0	*	41	*	*	*	3
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	51	7,887	0	*	16	*	*	*	2
3315	Foundries	93	10,766	*	*	44	*	*	*	*
331511	Iron Foundries	41	5,196	0	*	12	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	22	2,078	*	*	14	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	9	788	0	*	6	*	0	0	*
332	Fabricated Metal Products	257	36,063	0	*	122	1	*	0	2
333	Machinery	148	23,569	*	*	59	1	*	0	1
334	Computer and Electronic Products	109	22,186	*	*	32	*	0	0	1
334413	Semiconductors and Related Devices	54	11,613	0	*	13	*	0	0	*
335	Electrical Equip., Appliances, and Components	114	11,037	0	*	35	*	0	0	39
336	Transportation Equipment	351	50,462	*	1	154	1	0	*	9
336111	Automobiles	34	4,024	0	*	18	*	0	0	2
336112	Light Trucks and Utility Vehicles	42	4,233	0	*	24	*	0	0	1
3364	Aerospace Product and Parts	66	9,699	0	*	27	*	0	0	4
336411	Aircraft	17	2,721	0	*	6	*	0	0	2
337	Furniture and Related Products	33	4,669	0	*	15	*	*	0	Q
339	Miscellaneous	62	9,547	0	*	25	*	*	0	2
	Total	16,655	778,396	9	D	7,023	817	D	D	2,730

Northeast Census Region

311	Food	81	7,833	*	Q	47	*	0	0	*
3112	Grain and Oilseed Milling	4	497	0	*	2	*	0	0	0
311221	Wet Corn Milling	*	15	0	0	*	*	0	0	0
31131	Sugar Manufacturing	2	4	0	*	2	*	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	12	787	*	*	8	*	0	0	*
3115	Dairy Product	17	1,467	*	*	11	*	0	0	*
3116	Animal Slaughtering and Processing	11	1,096	0	*	7	*	0	0	*
312	Beverage and Tobacco Products	13	1,674	*	*	6	*	0	0	*
3121	Beverages	12	1,647	0	*	6	*	0	0	*
3122	Tobacco	1	28	*	*	1	*	0	0	*
313	Textile Mills	6	568	0	*	4	*	0	0	*
314	Textile Product Mills	2	305	0	*	1	*	0	0	*
315	Apparel	1	151	0	0	1	*	0	0	0
316	Leather and Allied Products	1	49	0	*	*	*	0	0	0
321	Wood Products	23	1,488	*	*	5	*	0	0	11
321113	Sawmills	5	381	*	*	*	*	0	0	3
3212	Veneer, Plywood, and Engineered Woods	4	269	*	*	2	*	0	0	1
321219	Reconstituted Wood Products	3	196	*	*	2	*	0	0	1
3219	Other Wood Products	13	816	*	*	3	*	0	0	Q
322	Paper	131	5,879	*	*	77	*	0	0	20
322110	Pulp Mills	D	D	*	*	D	*	0	0	D
322121	Paper Mills, except Newsprint	82	2,392	*	*	49	*	0	0	13
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	D	D	*	*	D	*	0	0	D
323	Printing and Related Support	9	1,582	0	*	3	*	0	0	*
324	Petroleum and Coal Products	172	2,611	*	D	41	*	0	0	D
324110	Petroleum Refineries	D	2,119	0	0	29	0	0	0	D
324121	Asphalt Paving Mixture and Block	91	281	*	*	8	*	0	0	79
324122	Asphalt Shingle and Coating Materials	35	90	0	*	1	*	0	0	33
324191	Petroleum Lubricating Oil and Grease Products	D	45	0	*	*	*	0	0	D
324199	Other Petroleum and Coal Products	D	76	0	D	2	*	0	0	*
325	Chemicals	173	10,994	*	*	112	*	0	0	13
325110	Petrochemicals	*	17	0	*	*	*	0	0	*
325120	Industrial Gases	12	2,436	0	0	2	*	0	0	2
325180	Other Basic Inorganic Chemicals	13	1,619	0	*	6	*	0	0	2
325193	Ethyl Alcohol	7	170	0	*	7	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3	107	0	0	2	0	0	0	*
325199	Other Basic Organic Chemicals	58	1,502	*	*	44	*	0	0	2
325211	Plastics Materials and Resins	10	871	0	*	4	*	0	0	3
325212	Synthetic Rubber	*	18	0	*	*	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	35	0	*	*	*	0	0	*
325311	Nitrogenous Fertilizers	1	24	0	*	*	*	0	0	*
325312	Phosphatic Fertilizers	*	1	0	*	0	*	0	0	0
3254	Pharmaceuticals and Medicines	32	2,383	0	*	22	*	0	0	*
325412	Pharmaceutical Preparation	13	1,359	0	*	8	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	D	415	0	*	1	0	0	0	D
326	Plastics and Rubber Products	28	4,749	0	*	10	*	0	0	*
327	Nonmetallic Mineral Products	87	3,885	0	1	50	*	0	0	12
327120	Clay Building Material and Refractories	6	212	0	*	3	*	0	0	*
327211	Flat Glass	4	123	0	0	4	*	0	0	0
327212	Other Pressed and Blown Glass and Glassware	5	416	0	*	4	*	0	0	*
327213	Glass Containers	7	461	0	*	6	*	0	0	*
327215	Glass Products from Purchased Glass	3	285	0	*	2	*	0	0	*
327310	Cements	24	810	0	*	15	*	0	0	4
327410	Lime	5	69	0	*	3	0	0	0	0
327420	Gypsum	6	138	0	*	6	*	0	0	0
327993	Mineral Wool	3	129	0	*	2	*	0	0	0
331	Primary Metals	282	10,936	0	*	70	*	6	*	3
331110	Iron and Steel Mills and Ferroalloys	236	6,325	0	*	43	*	6	*	2
3312	Steel Products from Purchased Steel	4	480	0	*	2	*	*	*	*
3313	Alumina and Aluminum	20	1,547	0	*	14	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	24	0	*	*	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	9	579	0	*	7	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	5	281	0	*	4	*	0	0	*
3314	Nonferrous Metals, except Aluminum	14	1,571	0	*	7	*	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1	123	0	0	*	*	0	0	0
3315	Foundries	8	1,012	0	*	4	*	*	*	*
331511	Iron Foundries	3	464	0	*	1	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	1	93	0	0	1	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	82	0	*	*	*	0	0	*
332	Fabricated Metal Products	47	6,078	0	D	23	*	0	0	D
333	Machinery	14	2,222	*	*	5	*	0	0	*
334	Computer and Electronic Products	23	4,342	*	*	8	*	0	0	*
334413	Semiconductors and Related Devices	6	1,026	0	*	2	*	0	0	*
335	Electrical Equip., Appliances, and Components	12	1,524	0	*	6	*	0	0	*
336	Transportation Equipment	34	Q	*	*	16	*	0	0	*
336111	Automobiles	*	1	0	0	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	1	0	0	*	0	0	0	0
3364	Aerospace Product and Parts	9	843	0	*	6	*	0	0	*
336411	Aircraft	1	169	0	*	1	*	0	0	*
337	Furniture and Related Products	5	577	0	*	2	*	0	0	*
339	Miscellaneous	17	2,148	0	*	8	*	0	0	*
Total		1,162	74,291	1	3	495	3	7	*	178

Midwest Census Region

311	Food	486	33,123	*	D	295	*	2	D	21
3112	Grain and Oilseed Milling	189	10,528	0	*	112	*	1	0	17
311221	Wet Corn Milling	100	5,585	0	*	55	*	0	0	13
31131	Sugar Manufacturing	35	608	*	D	8	*	1	D	D
3114	Fruit and Vegetable Preserving and Specialty Food	33	3,656	0	*	19	*	0	0	*
3115	Dairy Product	48	4,353	0	*	31	*	0	0	1
3116	Animal Slaughtering and Processing	89	7,588	0	*	59	*	0	0	1
312	Beverage and Tobacco Products	17	1,480	*	*	11	*	0	0	*
3121	Beverages	17	1,479	*	*	11	*	0	0	*
3122	Tobacco	*	1	0	0	*	0	0	0	0
313	Textile Mills	2	301	0	*	1	*	0	0	*
314	Textile Product Mills	1	143	0	0	*	0	0	0	0
315	Apparel	*	70	0	0	*	0	0	0	0

316	Leather and Allied Products	1	107	0	*	1	*	0	0	*
321	Wood Products	27	2,988	*	Q	10	*	0	0	1
321113	Sawmills	3	448	*	*	1	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	7	771	0	*	4	*	0	0	*
321219	Reconstituted Wood Products	5	519	0	*	3	*	0	0	*
3219	Other Wood Products	16	1,729	0	Q	5	*	0	0	1
322	Paper	216	13,312	*	*	107	*	1	0	46
322110	Pulp Mills	2	249	0	*	1	*	0	0	*
322121	Paper Mills, except Newsprint	100	5,030	*	*	52	*	1	0	16
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	68	2,785	*	*	27	*	*	0	30
323	Printing and Related Support	26	3,786	0	*	13	*	0	0	*
324	Petroleum and Coal Products	593	10,942	*	D	137	*	0	0	D
324110	Petroleum Refineries	D	9,908	0	0	119	*	0	0	D
324121	Asphalt Paving Mixture and Block	136	257	*	*	10	*	0	0	123
324122	Asphalt Shingle and Coating Materials	93	275	*	*	4	*	0	0	88
324191	Petroleum Lubricating Oil and Grease Products	3	194	0	*	2	*	0	0	*
324199	Other Petroleum and Coal Products	D	307	0	D	2	*	0	0	D
325	Chemicals	998	38,192	1	*	619	29	2	0	72
325110	Petrochemicals	*	3	0	*	*	*	0	0	0
325120	Industrial Gases	30	6,549	0	0	6	*	0	0	2
325180	Other Basic Inorganic Chemicals	47	3,809	1	D	21	*	0	0	D
325193	Ethyl Alcohol	416	9,617	0	*	315	*	2	0	10
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	9	287	0	*	2	*	*	0	5
325199	Other Basic Organic Chemicals	72	3,764	0	*	40	1	*	0	15
325211	Plastics Materials and Resins	143	3,123	0	*	31	D	*	0	D
325212	Synthetic Rubber	2	178	0	*	1	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	1	74	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	D	1,776	0	*	116	*	0	0	D
325312	Phosphatic Fertilizers	*	8	0	*	*	*	0	0	0
3254	Pharmaceuticals and Medicines	35	3,304	0	*	20	*	0	0	2
325412	Pharmaceutical Preparation	23	2,130	0	*	14	*	0	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	*	52	0	*	*	*	0	0	*
326	Plastics and Rubber Products	110	21,718	0	*	34	*	0	0	*
327	Nonmetallic Mineral Products	233	11,435	0	1	87	*	3	*	35
327120	Clay Building Material and Refractories	12	285	0	*	7	*	*	*	Q
327211	Flat Glass	16	462	0	*	14	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	10	496	0	*	8	*	0	0	*
327213	Glass Containers	15	945	0	*	11	*	0	0	*
327215	Glass Products from Purchased Glass	9	1,721	0	*	3	*	0	0	*
327310	Cements	74	3,096	0	*	6	*	1	*	27
327410	Lime	47	467	0	*	9	*	1	*	7
327420	Gypsum	10	264	0	*	9	*	0	0	*
327993	Mineral Wool	13	1,292	0	*	8	*	0	*	*
331	Primary Metals	854	41,892	*	*	340	*	5	8	15
331110	Iron and Steel Mills and Ferroalloys	682	20,330	*	*	260	*	5	8	11
3312	Steel Products from Purchased Steel	22	2,294	0	*	13	*	*	0	*
3313	Alumina and Aluminum	62	8,608	0	*	28	*	0	0	3
331314	Secondary Smelting and Alloying of Aluminum	9	300	0	*	8	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	19	1,564	0	*	13	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	8	698	0	*	5	*	0	0	*
3314	Nonferrous Metals, except Aluminum	28	4,097	0	*	11	*	0	*	1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12	2,472	0	*	3	*	0	*	1
3315	Foundries	59	6,563	*	*	27	*	*	*	*
331511	Iron Foundries	28	3,252	0	*	8	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	14	1,348	*	*	9	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	5	458	0	*	3	*	0	0	*
332	Fabricated Metal Products	125	18,463	0	D	56	*	0	0	D
333	Machinery	73	9,712	0	*	35	1	0	0	*
334	Computer and Electronic Products	15	3,186	0	*	4	*	0	0	*
334413	Semiconductors and Related Devices	5	1,167	0	*	1	*	0	0	*
335	Electrical Equip., Appliances, and Components	27	3,786	0	*	12	*	0	0	*
336	Transportation Equipment	184	24,876	0	*	88	*	0	*	6
336111	Automobiles	21	2,024	0	*	12	*	0	0	1
336112	Light Trucks and Utility Vehicles	25	2,259	0	*	16	*	0	0	1
3364	Aerospace Product and Parts	18	2,405	0	*	8	*	0	0	2
336411	Aircraft	4	528	0	*	2	*	0	0	*
337	Furniture and Related Products	15	1,813	0	*	8	*	0	0	*
339	Miscellaneous	22	3,343	0	*	9	*	*	0	1
	Total	4,025	244,669	1	D	1,866	32	D	D	D

South Census Region

311	Food	270	23,324	*	1	157	1	*	0	23
3112	Grain and Oilseed Milling	43	2,809	*	*	24	*	*	0	9
311221	Wet Corn Milling	11	358	0	*	2	*	*	0	7
31131	Sugar Manufacturing	11	236	*	*	10	*	*	0	*
3114	Fruit and Vegetable Preserving and Specialty Food	23	1,906	0	*	16	*	0	0	*
3115	Dairy Product	19	2,365	0	*	10	*	0	0	*
3116	Animal Slaughtering and Processing	110	9,698	0	*	59	*	0	0	13
312	Beverage and Tobacco Products	52	7,630	*	*	23	*	*	0	1
3121	Beverages	45	6,894	0	*	19	*	*	0	1
3122	Tobacco	6	736	*	*	4	*	0	0	*
313	Textile Mills	53	9,776	*	*	16	*	*	0	1
314	Textile Product Mills	17	2,231	0	*	9	*	0	0	*
315	Apparel	3	451	0	0	1	*	0	0	*
316	Leather and Allied Products	*	53	0	0	*	*	0	0	*
321	Wood Products	127	12,784	*	1	38	*	0	0	38
321113	Sawmills	52	5,723	*	*	13	*	0	0	16
3212	Veneer, Plywood, and Engineered Woods	46	4,001	*	*	18	*	0	0	13
321219	Reconstituted Wood Products	34	2,734	*	*	12	*	0	0	11
3219	Other Wood Products	24	2,772	0	*	6	*	0	0	7
322	Paper	624	26,930	1	1	319	*	2	0	160
322110	Pulp Mills	D	D	D	*	D	*	*	0	D
322121	Paper Mills, except Newsprint	175	7,808	*	*	90	*	1	0	34
322122	Newsprint Mills	D	2,032	0	*	4	*	0	0	D
322130	Paperboard Mills	D	D	D	*	D	*	1	0	D
323	Printing and Related Support	21	3,883	0	*	7	*	0	0	*
324	Petroleum and Coal Products	1,415	31,326	*	1	619	*	D	0	D

324110	Petroleum Refineries	D	28,992	0	0	578	0	0	0	D
324121	Asphalt Paving Mixture and Block	155	561	*	1	14	*	*	0	133
324122	Asphalt Shingle and Coating Materials	115	440	0	*	6	*	0	0	108
324191	Petroleum Lubricating Oil and Grease Products	D	1,135	0	*	17	*	0	0	D
324199	Other Petroleum and Coal Products	D	198	0	*	3	*	D	0	D
325	Chemicals	6,131	96,122	6	1	2,246	776	2	*	889
325110	Petrochemicals	1,683	7,396	0	*	278	337	0	0	323
325120	Industrial Gases	246	9,750	0	*	200	*	0	0	5
325180	Other Basic Inorganic Chemicals	437	19,903	6	*	209	16	*	*	56
325193	Ethyl Alcohol	15	429	0	*	13	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	233	3,104	0	*	109	19	*	0	28
325199	Other Basic Organic Chemicals	1,280	14,926	0	Q	487	110	2	0	323
325211	Plastics Materials and Resins	1,518	19,888	0	*	373	D	*	0	D
325212	Synthetic Rubber	35	1,209	0	*	17	1	*	0	9
325220	Artificial and Synthetic Fibers and Filaments	32	2,610	0	*	22	*	*	0	*
325311	Nitrogenous Fertilizers	459	2,877	0	*	432	*	0	0	*
325312	Phosphatic Fertilizers	D	1,620	*	D	D	*	D	0	D
3254	Pharmaceuticals and Medicines	39	3,367	0	*	14	*	0	0	13
325412	Pharmaceutical Preparation	25	1,892	0	*	6	*	0	0	12
325992	Photographic Film, Paper, Plate, and Chemicals	2	283	0	*	1	*	0	0	*
326	Plastics and Rubber Products	102	19,490	0	*	31	*	0	0	*
327	Nonmetallic Mineral Products	329	16,416	*	1	151	*	4	*	31
327120	Clay Building Material and Refractories	29	1,192	0	*	23	*	0	0	1
327211	Flat Glass	20	667	0	*	17	*	*	0	*
327212	Other Pressed and Blown Glass and Glassware	15	1,132	0	*	10	*	0	0	1
327213	Glass Containers	19	1,159	0	*	15	*	0	0	*
327215	Glass Products from Purchased Glass	8	1,351	0	*	3	*	0	0	*
327310	Cements	121	5,251	0	*	26	*	2	*	22
327410	Lime	40	676	0	*	5	*	1	*	6
327420	Gypsum	31	890	0	*	27	*	0	0	*
327993	Mineral Wool	13	1,170	0	*	8	*	*	*	*
331	Primary Metals	438	48,571	0	*	207	*	2	*	7
331110	Iron and Steel Mills and Ferroalloys	250	26,176	0	*	117	*	1	*	1
3312	Steel Products from Purchased Steel	25	3,953	0	*	9	*	0	*	1
3313	Alumina and Aluminum	108	11,518	0	*	62	*	0	0	4
331314	Secondary Smelting and Alloying of Aluminum	10	225	0	*	8	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	40	2,789	0	*	29	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	9	691	0	*	6	*	0	0	*
3314	Nonferrous Metals, except Aluminum	36	4,521	0	*	10	*	*	*	2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	18	3,001	0	*	1	*	*	0	2
3315	Foundries	19	2,404	0	*	9	*	*	*	*
331511	Iron Foundries	8	1,348	0	*	2	*	0	*	*
331523	Nonferrous Metal Die-Casting Foundries	5	436	0	*	4	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	2	155	0	*	1	*	0	0	*
332	Fabricated Metal Products	59	7,388	0	*	31	*	*	0	*
333	Machinery	52	10,417	0	*	15	*	0	0	*
334	Computer and Electronic Products	33	6,895	0	*	9	*	0	0	*
334413	Semiconductors and Related Devices	18	4,022	0	*	4	*	0	0	*
335	Electrical Equip., Appliances, and Components	68	4,330	0	*	14	*	0	0	38
336	Transportation Equipment	107	16,687	*	1	39	*	0	0	2
336111	Automobiles	12	1,749	0	*	5	*	0	0	1
336112	Light Trucks and Utility Vehicles	16	1,970	0	*	9	*	0	0	*
3364	Aerospace Product and Parts	18	3,424	0	*	5	*	0	0	1
336411	Aircraft	7	1,344	0	*	1	*	0	0	1
337	Furniture and Related Products	11	1,764	0	*	4	*	*	0	Q
339	Miscellaneous	18	3,052	0	*	6	*	0	0	Q
	Total	9,929	349,522	7	6	3,942	780	D	*	D

West Census Region

311	Food	286	27,635	0	1	151	1	*	*	Q
3112	Grain and Oilseed Milling	10	855	0	*	6	*	0	0	*
311221	Wet Corn Milling	2	76	0	0	2	*	0	0	*
31131	Sugar Manufacturing	21	265	0	*	13	*	*	*	2
3114	Fruit and Vegetable Preserving and Specialty Food	62	3,596	0	*	47	*	0	0	1
3115	Dairy Product	40	3,324	0	*	26	*	0	0	1
3116	Animal Slaughtering and Processing	Q	Q	0	*	20	*	0	0	*
312	Beverage and Tobacco Products	24	3,400	0	*	11	*	0	0	*
3121	Beverages	24	3,398	0	*	11	*	0	0	*
3122	Tobacco	*	2	0	0	0	0	0	0	0
313	Textile Mills	2	234	0	0	1	*	0	0	*
314	Textile Product Mills	Q	163	0	0	Q	*	0	0	0
315	Apparel	*	50	0	0	*	*	0	0	0
316	Leather and Allied Products	*	17	0	0	*	*	0	0	*
321	Wood Products	64	4,501	*	*	12	*	0	0	32
321113	Sawmills	17	1,628	0	*	3	*	0	0	7
3212	Veneer, Plywood, and Engineered Woods	27	1,776	0	*	7	*	0	0	14
321219	Reconstituted Wood Products	12	840	0	*	3	*	0	0	6
3219	Other Wood Products	18	993	0	*	2	*	0	0	Q
322	Paper	123	9,830	*	*	52	*	0	0	34
322110	Pulp Mills	D	88	D	0	0	0	0	0	D
322121	Paper Mills, except Newsprint	45	2,658	0	*	27	*	0	0	8
322122	Newsprint Mills	D	2,915	0	*	1	*	0	0	D
322130	Paperboard Mills	40	3,028	D	*	17	*	0	0	D
323	Printing and Related Support	4	782	0	*	1	*	0	0	*
324	Petroleum and Coal Products	483	9,438	*	*	274	Q	0	0	163
324110	Petroleum Refineries	363	8,987	0	0	263	0	0	0	59
324121	Asphalt Paving Mixture and Block	88	279	*	*	8	*	0	0	76
324122	Asphalt Shingle and Coating Materials	31	124	0	*	2	*	0	0	28
324191	Petroleum Lubricating Oil and Grease Products	1	19	0	0	1	*	0	0	*
324199	Other Petroleum and Coal Products	1	30	0	*	*	*	0	0	*
325	Chemicals	163	12,105	0	*	81	*	2	0	5
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	33	3,906	0	0	19	*	0	0	*
325180	Other Basic Inorganic Chemicals	65	3,310	0	D	18	*	2	0	D
325193	Ethyl Alcohol	14	412	0	*	12	*	0	0	1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3	16	0	*	2	*	*	0	1
325199	Other Basic Organic Chemicals	7	738	0	*	4	*	0	0	1
325211	Plastics Materials and Resins	2	292	0	*	1	*	0	0	*

325212	Synthetic Rubber	*	12	0	0	*	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	9	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	13	459	0	*	11	*	0	0	*
325312	Phosphatic Fertilizers	D	456	0	D	8	*	0	0	*
3254	Pharmaceuticals and Medicines	9	1,393	0	*	4	*	0	0	*
325412	Pharmaceutical Preparation	5	734	0	*	2	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	D	173	0	*	1	*	0	0	D
326	Plastics and Rubber Products	17	3,370	0	*	Q	*	0	0	*
327	Nonmetallic Mineral Products	168	6,173	0	1	49	*	3	*	35
327120	Clay Building Material and Refractories	2	78	0	*	2	*	0	0	*
327211	Flat Glass	6	167	0	*	5	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	1	78	0	*	1	*	0	0	*
327213	Glass Containers	12	882	0	*	9	*	0	0	*
327215	Glass Products from Purchased Glass	2	313	0	*	1	*	0	0	*
327310	Cements	56	2,265	0	*	9	*	1	*	13
327410	Lime	14	185	0	*	*	*	*	*	3
327420	Gypsum	11	250	0	*	9	*	0	0	*
327993	Mineral Wool	4	519	0	*	2	*	0	0	*
331	Primary Metals	89	11,983	0	*	41	*	*	*	4
331110	Iron and Steel Mills and Ferroalloys	29	3,338	0	*	16	*	*	0	*
3312	Steel Products from Purchased Steel	1	187	0	*	*	*	0	0	*
3313	Alumina and Aluminum	27	4,587	0	*	8	*	0	0	3
331314	Secondary Smelting and Alloying of Aluminum	2	230	0	*	1	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	5	445	0	*	4	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	3	247	0	*	2	*	0	0	*
3314	Nonferrous Metals, except Aluminum	24	3,083	0	*	12	*	0	0	1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	19	2,292	0	*	11	*	0	0	*
3315	Foundries	8	787	0	*	4	*	0	*	*
331511	Iron Foundries	2	132	0	*	1	*	0	*	*
331523	Nonferrous Metal Die-Casting Foundries	2	200	0	*	1	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	93	0	*	1	*	0	0	*
332	Fabricated Metal Products	27	4,135	0	*	11	*	0	0	Q
333	Machinery	8	1,217	0	*	4	*	0	0	*
334	Computer and Electronic Products	38	7,762	0	*	11	*	0	0	*
334413	Semiconductors and Related Devices	25	5,397	0	*	7	*	0	0	*
335	Electrical Equip., Appliances, and Components	7	1,397	0	*	Q	*	0	0	*
336	Transportation Equipment	26	4,205	0	*	10	*	0	0	1
336111	Automobiles	1	250	0	*	*	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	3	0	0	*	*	0	0	0
3364	Aerospace Product and Parts	20	3,027	0	*	9	*	0	0	1
336411	Aircraft	5	680	0	*	2	*	0	0	1
337	Furniture and Related Products	3	514	0	0	1	*	0	0	*
339	Miscellaneous	5	1,004	0	*	1	*	0	0	*
	Total	1,539	109,914	*	3	720	2	4	*	296

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

(b) *Distillate Fuel Oil* includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(c) *Natural Gas* includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(d) *Hydrocarbon Gas Liquids (HGL)* include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).

(e) *Other energy sources* include such combustible energy sources as wood waste, hydrogen, and waste oils and tars.

* 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. *Purchases* exclude quantities that are transferred in from other establishments of the same company, quantities purchased by a central purchasing office offsite, and quantities for which payment is made in-kind.

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

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CDBRB-FY21-312).

Released: September 2021

Next MECS will be fielded in 2023.

RSE Table 7.6 Relative Standard Errors for Table 7.6;

Unit: Percents

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	HGL (excluding natural gasoline)(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
Total United States										
311	Food	5.2	11.4	0.6	D	4.5	18.2	0.0	D	23.0
3112	Grain and Oilseed Milling	2.4	1.9	16.7	6.8	3.5	15.0	0.0	X	3.3
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	D	0.0	0.0	0.0	D	D
3114	Fruit and Vegetable Preserving and Specialty Food	3.2	6.1	0.0	8.2	3.2	5.8	X	X	2.9
3115	Dairy Product	2.4	3.3	0.0	32.3	2.4	12.9	X	X	18.1
3116	Animal Slaughtering and Processing	14.9	31.0	X	13.2	6.1	22.0	X	X	38.5
312	Beverage and Tobacco Products	8.6	15.5	0.0	27.3	8.6	11.2	0.0	X	5.2
3121	Beverages	9.2	16.4	0.0	29.0	9.3	12.8	0.0	X	5.2
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
313	Textile Mills	6.4	6.1	88.0	21.0	12.7	25.0	16.7	X	3.9
314	Textile Product Mills	9.7	7.9	X	29.6	13.5	29.1	0.0	X	96.7
315	Apparel	10.0	11.3	X	51.8	14.0	41.7	99.4	X	98.2
316	Leather and Allied Products	7.7	5.1	X	4.0	11.5	31.0	X	X	18.1
321	Wood Products	5.7	2.9	0.5	29.4	10.1	6.0	63.3	X	12.2
321113	Sawmills	10.7	6.2	7.7	3.7	36.2	8.6	X	X	1.3
3212	Veneer, Plywood, and Engineered Woods	0.7	1.2	0.0	3.3	1.2	3.1	80.4	X	0.4
321219	Reconstituted Wood Products	0.8	1.5	0.0	2.6	0.9	5.8	X	X	0.2
3219	Other Wood Products	15.6	5.8	85.9	65.6	14.5	15.0	75.3	X	37.2
322	Paper	0.7	1.2	0.0	0.7	1.0	11.0	0.0	X	0.1
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
323	Printing and Related Support	7.7	7.8	X	40.9	9.9	16.1	X	X	59.0
324	Petroleum and Coal Products	0.8	0.5	28.3	D	0.4	29.3	D	X	1.7
324110	Petroleum Refineries	0.0	0.0	X	X	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	4.5	8.7	29.1	14.8	3.8	35.8	19.9	X	4.6
324122	Asphalt Shingle and Coating Materials	1.3	1.7	0.0	0.9	1.1	2.6	X	X	1.3
324191	Petroleum Lubricating Oil and Grease Products	20.0	18.4	X	60.4	21.2	40.2	X	X	5.9
324199	Other Petroleum and Coal Products	0.0	0.0	X	D	0.0	0.0	D	X	0.0
325	Chemicals	1.2	1.4	0.1	29.0	2.0	1.6	1.4	0.0	2.4
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	4.9	3.3	X	0.0	6.6	67.8	X	X	2.7
325180	Other Basic Inorganic Chemicals	7.0	2.1	0.1	3.0	13.8	0.1	0.0	0.0	5.5
325193	Ethyl Alcohol	1.2	1.9	X	2.8	1.5	9.1	0.0	X	2.1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325199	Other Basic Organic Chemicals	4.3	5.3	0.0	58.9	5.8	6.7	1.2	X	5.1
325211	Plastics Materials and Resins	2.1	2.4	X	2.8	1.1	3.2	0.0	X	5.4
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325311	Nitrogenous Fertilizers	D	12.5	X	2.7	3.8	37.4	X	X	D
325312	Phosphatic Fertilizers	0.0	0.0	0.0	D	D	0.0	D	X	D
3254	Pharmaceuticals and Medicines	5.9	2.9	X	2.4	5.1	24.9	X	X	36.2
325412	Pharmaceutical Preparation	9.7	1.7	X	2.9	9.5	29.5	X	X	40.0
325992	Photographic Film, Paper, Plate, and Chemicals	D	0.3	X	0.4	0.4	1.6	X	X	D
326	Plastics and Rubber Products	7.7	7.7	X	73.0	14.1	17.4	X	X	2.9
327	Nonmetallic Mineral Products	3.5	2.5	97.3	16.6	1.7	28.2	7.4	13.6	14.1
327120	Clay Building Material and Refractories	2.1	3.6	X	2.3	2.1	5.5	0.0	0.0	30.5
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.6	0.6	X	1.3	0.7	27.4	X	X	0.1
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	0.9	1.4	X	27.6	1.0	1.9	X	X	0.1
327310	Cements	0.4	0.4	X	0.3	1.2	1.1	0.3	9.3	0.1
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	1.0	2.0	X	47.3	0.5	1.4	X	X	0.0
327993	Mineral Wool	0.7	0.4	X	0.0	1.0	6.1	0.0	0.0	0.1
331	Primary Metals	0.3	1.1	0.3	0.9	0.2	2.2	0.1	0.4	0.9
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	9.4	17.6	X	11.8	3.8	15.3	0.0	0.0	27.4
3313	Alumina and Aluminum	0.2	0.1	X	0.7	0.4	1.0	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	2.1	1.5	X	2.8	2.3	1.1	X	X	3.4
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	0.6	1.2	X	0.3	0.4	2.2	X	X	11.1
3314	Nonferrous Metals, except Aluminum	1.0	0.9	X	5.2	1.3	2.0	0.0	10.8	1.3
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.7	0.6	X	0.0	1.2	3.1	0.0	0.0	0.1
3315	Foundries	0.9	0.9	89.7	1.6	0.9	1.7	0.3	4.2	1.9
331511	Iron Foundries	1.7	1.5	X	1.0	1.9	4.2	0.0	4.2	4.1
331523	Nonferrous Metal Die-Casting Foundries	1.3	1.2	89.7	5.9	1.6	1.4	X	X	0.6
331524	Aluminum Foundries, except Die-Casting	0.9	1.1	X	1.8	1.2	2.9	X	X	3.2
332	Fabricated Metal Products	11.3	10.0	X	59.0	16.0	19.0	70.3	X	39.7
333	Machinery	11.9	17.2	99.0	28.4	13.0	26.7	99.0	X	46.5
334	Computer and Electronic Products	7.2	6.8	0.0	55.3	11.4	48.2	X	X	29.8
334413	Semiconductors and Related Devices	3.3	3.3	X	1.0	3.7	13.8	X	X	11.2
335	Electrical Equip., Appliances, and Components	13.7	8.8	X	23.5	15.1	24.5	X	X	34.3
336	Transportation Equipment	7.8	9.2	10.2	28.8	8.4	12.1	X	30.3	6.1
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	2.9	4.2	X	3.5	2.6	10.3	X	X	0.9
336411	Aircraft	5.6	10.0	X	5.4	1.6	52.7	X	X	0.1
337	Furniture and Related Products	9.2	8.6	X	55.1	12.4	24.4	75.8	X	58.2
339	Miscellaneous	12.2	11.2	X	59.6	17.5	40.7	99.0	X	43.7
	Total	0.8	1.8	0.6	D	1.1	1.5	D	D	1.5
Northeast Census Region										
311	Food	10.2	11.7	0.0	88.3	9.8	15.3	X	X	20.6

324121	Asphalt Paving Mixture and Block	8.9	20.4	19.8	33.7	9.7	34.6	19.9	X	8.3
324122	Asphalt Shingle and Coating Materials	2.7	2.8	X	1.2	2.3	7.7	X	X	2.7
324191	Petroleum Lubricating Oil and Grease Products	D	22.5	X	71.8	24.9	42.7	X	X	D
324199	Other Petroleum and Coal Products	D	0.0	X	0.0	0.0	0.0	D	X	D
325	Chemicals	1.4	2.1	0.1	34.5	2.5	1.6	4.0	0.0	2.5
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	6.3	7.1	X	0.0	7.5	65.0	X	X	0.1
325180	Other Basic Inorganic Chemicals	9.0	3.0	0.1	4.7	16.8	0.1	0.0	0.0	5.8
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325199	Other Basic Organic Chemicals	4.7	7.3	X	61.0	6.7	6.7	0.0	X	5.3
325211	Plastics Materials and Resins	2.4	2.9	X	2.5	1.1	D	0.0	X	D
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325311	Nitrogenous Fertilizers	5.3	22.3	X	5.7	4.9	52.1	X	X	31.4
325312	Phosphatic Fertilizers	D	0.0	0.0	D	D	0.0	D	X	D
3254	Pharmaceuticals and Medicines	14.7	2.0	X	0.6	2.0	1.4	X	X	44.0
325412	Pharmaceutical Preparation	22.4	2.5	X	1.0	3.8	2.1	X	X	45.0
325992	Photographic Film, Paper, Plate, and Chemicals	0.9	0.9	X	29.0	1.4	1.8	X	X	0.0
326	Plastics and Rubber Products	14.5	15.0	X	79.1	21.8	22.7	X	X	1.8
327	Nonmetallic Mineral Products	1.4	2.7	97.3	21.1	2.1	28.5	0.3	6.4	1.1
327120	Clay Building Material and Refractories	2.9	5.3	X	3.2	3.0	7.2	X	X	25.8
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.9	0.6	X	0.0	1.2	33.6	X	X	0.1
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	1.2	1.8	X	37.6	0.9	1.7	X	X	0.1
327310	Cements	0.8	0.7	X	0.0	2.6	0.0	0.4	10.1	0.0
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	1.0	3.3	X	1.7	0.9	2.2	X	X	0.0
327993	Mineral Wool	0.3	0.7	X	0.0	0.2	11.9	0.0	0.0	0.7
331	Primary Metals	1.1	2.5	X	2.1	0.4	6.8	0.0	9.4	3.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	19.7	30.7	X	17.3	9.0	42.8	X	0.0	38.4
3313	Alumina and Aluminum	0.4	0.1	X	1.3	0.6	0.9	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	3.9	2.5	X	6.3	4.2	1.0	X	X	4.2
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	0.5	1.4	X	1.3	0.4	2.7	X	X	0.0
3314	Nonferrous Metals, except Aluminum	1.9	1.6	X	0.0	2.3	8.9	0.0	18.4	1.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
3315	Foundries	0.9	1.4	X	3.4	0.8	4.2	0.0	0.0	8.1
331511	Iron Foundries	1.6	2.3	X	1.5	1.4	7.6	X	0.0	0.0
331523	Nonferrous Metal Die-Casting Foundries	1.4	1.3	X	0.0	1.6	1.9	X	X	0.8
331524	Aluminum Foundries, except Die-Casting	0.7	2.2	X	0.0	0.1	20.9	X	X	0.0
332	Fabricated Metal Products	26.1	21.4	X	46.4	34.7	37.1	70.3	X	69.1
333	Machinery	28.3	37.4	X	73.0	29.2	41.1	X	X	68.8
334	Computer and Electronic Products	21.0	19.2	X	1.6	33.9	41.4	X	X	11.1
334413	Semiconductors and Related Devices	2.3	2.9	X	0.0	0.0	0.0	X	X	12.3
335	Electrical Equip., Appliances, and Components	20.7	13.7	X	36.9	16.9	28.3	X	X	35.0
336	Transportation Equipment	10.6	9.4	3.5	39.2	15.5	18.2	X	X	5.1
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	10.4	11.4	X	27.5	14.0	5.2	X	X	3.2
336411	Aircraft	13.3	19.9	X	0.0	5.4	26.1	X	X	0.0
337	Furniture and Related Products	20.1	17.0	X	42.9	30.3	24.7	75.8	X	76.7
339	Miscellaneous	21.4	18.2	X	70.4	33.4	67.6	X	X	93.5
	Total	1.0	1.9	0.2	10.2	1.5	1.6	D	5.7	D

West Census Region

311	Food	18.5	37.2	X	34.4	13.2	44.8	0.0	0.0	66.3
3112	Grain and Oilseed Milling	4.6	7.6	X	0.0	6.1	42.8	X	X	7.3
311221	Wet Corn Milling	0.0	0.0	X	X	0.0	0.0	X	X	0.0
31131	Sugar Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	3.5	5.0	X	17.5	3.8	7.4	X	X	4.1
3115	Dairy Product	2.5	3.0	X	35.2	2.7	27.1	X	X	41.4
3116	Animal Slaughtering and Processing	60.3	73.8	X	10.8	32.4	59.2	X	X	82.5
312	Beverage and Tobacco Products	6.3	10.6	X	26.4	5.6	20.6	X	X	35.5
3121	Beverages	6.3	10.6	X	26.4	5.6	20.6	X	X	35.5
3122	Tobacco	0.0	0.0	X	X	X	X	X	X	X
313	Textile Mills	9.8	15.7	X	X	12.5	73.6	X	X	0.0
314	Textile Product Mills	50.3	42.1	X	X	57.0	92.5	X	X	X
315	Apparel	23.3	26.1	X	X	31.1	32.2	X	X	X
316	Leather and Allied Products	7.9	7.6	X	X	10.6	33.4	X	X	0.0
321	Wood Products	13.7	3.6	0.0	3.4	4.4	10.7	X	X	26.6
321113	Sawmills	1.0	2.7	X	1.5	1.4	18.4	X	X	0.2
3212	Veneer, Plywood, and Engineered Woods	1.2	2.5	X	6.7	3.2	6.1	X	X	0.5
321219	Reconstituted Wood Products	0.6	1.0	X	0.0	0.1	7.7	X	X	0.6
3219	Other Wood Products	49.8	15.0	X	27.4	20.8	25.0	X	X	72.3
322	Paper	1.7	3.1	0.0	4.4	2.5	26.4	X	X	0.0
322110	Pulp Mills	D	0.0	D	X	X	X	X	X	D
322121	Paper Mills, except Newsprint	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
322122	Newsprint Mills	D	0.0	X	0.0	0.0	0.0	X	X	D
322130	Paperboard Mills	0.0	0.0	D	0.0	0.0	0.0	X	X	D
323	Printing and Related Support	23.2	23.8	X	99.0	31.4	44.5	X	X	70.1
324	Petroleum and Coal Products	2.0	0.3	58.9	8.8	0.1	52.7	X	X	5.4
324110	Petroleum Refineries	0.0	0.0	X	X	0.0	X	X	X	0.0
324121	Asphalt Paving Mixture and Block	10.9	10.4	58.9	9.1	4.2	53.7	X	X	11.6
324122	Asphalt Shingle and Coating Materials	1.8	3.1	X	19.9	0.5	1.5	X	X	1.9
324191	Petroleum Lubricating Oil and Grease Products	0.0	0.0	X	X	0.0	0.0	X	X	0.0
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	2.1	5.1	X	1.4	1.2	39.1	0.0	X	32.3
325110	Petrochemicals	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	1.8	4.6	X	X	0.1	95.1	X	X	0.0
325180	Other Basic Inorganic Chemicals	3.2	1.3	X	D	2.6	12.3	0.0	X	D
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325199	Other Basic Organic Chemicals	3.6	4.2	X	4.3	4.0	13.6	X	X	0.1
325211	Plastics Materials and Resins	1.5	0.8	X	15.5	2.9	4.8	X	X	0.1
325212	Synthetic Rubber	0.0	0.0	X	X	0.0	0.0	X	X	0.0

325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	X
325311	Nitrogenous Fertilizers	6.9	8.6	X	7.9	6.2	37.8	X	X	0.0
325312	Phosphatic Fertilizers	D	0.0	X	D	0.0	0.0	X	X	0.0
3254	Pharmaceuticals and Medicines	6.4	6.5	X	14.1	6.9	41.8	X	X	96.2
325412	Pharmaceutical Preparation	9.2	8.3	X	17.9	11.9	46.1	X	X	50.5
325992	Photographic Film, Paper, Plate, and Chemicals	D	0.1	X	0.0	0.1	0.0	X	X	D
326	Plastics and Rubber Products	32.1	32.6	X	99.0	62.0	40.8	X	X	87.6
327	Nonmetallic Mineral Products	16.4	9.0	X	31.7	8.7	66.4	27.2	59.9	44.3
327120	Clay Building Material and Refractories	1.2	2.0	X	2.8	1.3	3.9	X	X	0.0
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	2.7	11.1	X	84.4	2.1	12.0	X	X	8.7
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	1.8	1.8	X	0.0	2.8	3.7	X	X	0.3
327310	Cements	0.5	0.8	X	1.6	0.2	23.2	0.7	30.1	0.1
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	4.6	2.5	X	78.4	0.1	0.1	X	X	0.0
327993	Mineral Wool	5.3	1.3	X	0.0	8.3	4.1	X	X	0.0
331	Primary Metals	0.6	0.6	X	4.3	0.8	3.6	0.0	0.0	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
3312	Steel Products from Purchased Steel	7.0	7.8	X	8.2	15.9	1.5	X	X	27.8
3313	Alumina and Aluminum	0.3	0.2	X	0.0	0.4	3.6	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	2.5	4.4	X	0.0	1.7	5.6	X	X	0.0
3314	Nonferrous Metals, except Aluminum	2.0	2.1	X	22.0	2.4	4.6	X	X	0.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1.8	1.9	X	0.0	1.8	23.5	X	X	0.3
3315	Foundries	1.4	1.8	X	5.3	1.6	11.6	X	0.0	0.1
331511	Iron Foundries	0.7	0.5	X	0.0	0.3	48.0	X	0.0	0.0
331523	Nonferrous Metal Die-Casting Foundries	3.1	1.3	X	0.0	4.1	9.8	X	X	0.0
331524	Aluminum Foundries, except Die-Casting	5.0	2.5	X	64.2	6.5	0.4	X	X	0.0
332	Fabricated Metal Products	29.8	27.5	X	70.3	37.4	42.3	X	X	84.1
333	Machinery	31.3	24.0	X	73.8	47.4	57.8	X	X	68.9
334	Computer and Electronic Products	7.5	6.7	X	9.0	12.1	68.8	X	X	33.0
334413	Semiconductors and Related Devices	6.3	6.3	X	4.3	7.3	5.3	X	X	1.2
335	Electrical Equip., Appliances, and Components	29.4	22.5	X	96.8	53.3	80.5	X	X	95.6
336	Transportation Equipment	7.4	11.0	X	1.4	5.0	23.0	X	X	0.5
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	X	0.0	0.0	X	X	X
3364	Aerospace Product and Parts	1.6	2.3	X	1.6	1.7	2.5	X	X	0.2
336411	Aircraft	4.0	6.7	X	7.5	2.7	12.1	X	X	0.1
337	Furniture and Related Products	28.4	26.7	X	X	44.0	52.5	X	X	99.0
339	Miscellaneous	22.7	23.6	X	74.5	32.6	48.5	X	X	93.5
	Total	4.0	9.5	14.0	18.0	3.0	18.4	15.8	42.9	8.1

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

(b) *Distillate Fuel Oil* includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(c) *Natural Gas* includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(d) Hydrocarbon Gas Liquids (HGL) include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).

(e) *Other* energy sources include such combustible energy sources as wood waste, hydrogen, and waste oils and tars.

* 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. *Purchases* exclude quantities that are transferred in from other establishments of the same company, quantities purchased by a central purchasing office offsite, and quantities for which payment is made in-kind.

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

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY21-312).