

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

Table 4.2 Offsite-Produced Fuel Consumption, 2018;

Level: National and Regional Data;
 Row: NAICS Codes; Column: Energy Sources;
 Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	Coal	Coke and Breeze	Other(f)
Total United States										
311	Food	1,100	314	*	14	669	7	47	1	48
3112	Grain and Oilseed Milling	243	50	*	1	149	*	19	0	24
311221	Wet Corn Milling	110	21	0	*	61	*	10	0	18
31131	Sugar Manufacturing	70	4	*	*	33	*	29	1	2
3114	Fruit and Vegetable Preserving and Specialty Food	128	34	*	*	91	1	0	0	1
3115	Dairy Product	122	39	*	1	79	2	0	0	1
3116	Animal Slaughtering and Processing	276	108	*	3	149	2	0	0	14
312	Beverage and Tobacco Products	106	48	*	*	54	1	*	0	1
3121	Beverages	99	46	*	*	50	1	*	0	1
3122	Tobacco	7	3	*	*	4	*	0	0	*
313	Textile Mills	64	37	*	*	23	1	1	0	1
314	Textile Product Mills	22	10	0	*	11	*	*	0	*
315	Apparel	4	2	0	*	2	*	*	0	*
316	Leather and Allied Products	2	1	0	*	1	*	0	0	*
321	Wood Products	191	74	*	11	67	4	*	0	34
321113	Sawmills	65	28	*	5	18	*	0	0	14
3212	Veneer, Plywood, and Engineered Woods	68	23	*	1	32	1	*	0	12
321219	Reconstituted Wood Products	39	15	*	*	20	*	0	0	4
3219	Other Wood Products	50	22	*	Q	15	1	*	0	Q
322	Paper	1,069	191	9	4	572	3	54	0	237
322110	Pulp Mills	72	7	3	1	40	*	*	0	21
322121	Paper Mills, except Newsprint	403	61	3	2	224	1	39	0	74
322122	Newsprint Mills	25	17	0	*	5	*	0	0	3
322130	Paperboard Mills	452	63	3	2	235	*	13	0	136
323	Printing and Related Support	59	34	*	*	24	1	0	0	*
324	Petroleum and Coal Products	1,640	198	3	11	D	7	*	0	D
324110	Petroleum Refineries	1,510	184	2	2	D	4	0	0	D
324121	Asphalt Paving Mixture and Block	63	5	1	8	41	3	*	0	5
324122	Asphalt Shingle and Coating Materials	18	3	0	*	14	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	25	5	0	*	19	*	0	0	1
324199	Other Petroleum and Coal Products	25	2	0	*	8	*	0	0	14
325	Chemicals	3,456	548	*	5	D	7	113	2	D

325110	Petrochemicals	383	27	0	*	D	1	0	0	D
325120	Industrial Gases	158	79	0	*	D	*	0	0	D
325180	Other Basic Inorganic Chemicals	397	104	0	*	218	*	33	2	41
325193	Ethyl Alcohol	451	37	0	*	359	*	44	0	11
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	87	12	0	*	51	*	0	0	24
325199	Other Basic Organic Chemicals	666	72	*	1	401	*	30	0	161
325211	Plastics Materials and Resins	609	82	0	D	418	D	D	0	103
325212	Synthetic Rubber	35	5	0	*	19	*	2	0	9
325220	Artificial and Synthetic Fibers and Filaments	33	9	0	*	23	*	*	0	*
325311	Nitrogenous Fertilizers	232	18	0	*	213	*	0	0	1
325312	Phosphatic Fertilizers	D	7	*	D	24	*	D	0	*
3254	Pharmaceuticals and Medicines	114	36	0	1	62	*	*	0	15
325412	Pharmaceutical Preparation	66	21	0	*	30	*	*	0	14
325992	Photographic Film, Paper, Plate, and Chemicals	8	3	*	*	3	*	0	0	2
326	Plastics and Rubber Products	256	168	*	Q	83	3	0	0	*
327	Nonmetallic Mineral Products	820	129	*	20	348	2	189	6	124
327120	Clay Building Material and Refractories	47	6	0	*	36	*	3	0	1
327211	Flat Glass	47	5	0	*	41	*	0	0	1
327212	Other Pressed and Blown Glass and Glassware	31	7	0	*	22	*	0	0	1
327213	Glass Containers	54	12	0	*	42	*	0	0	*
327215	Glass Products from Purchased Glass	21	13	0	*	8	*	0	0	*
327310	Cements	295	39	0	1	58	*	106	2	89
327410	Lime	106	5	0	1	18	*	63	2	17
327420	Gypsum	59	5	0	1	52	*	0	0	*
327993	Mineral Wool	33	11	0	*	22	*	*	*	*
331	Primary Metals	1,331	387	*	6	639	3	26	252	17
331110	Iron and Steel Mills and Ferroalloys	885	192	*	4	411	*	26	237	14
3312	Steel Products from Purchased Steel	51	24	0	*	25	*	*	1	1
3313	Alumina and Aluminum	207	90	0	1	116	1	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	21	3	0	*	18	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	73	18	0	*	54	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	24	7	0	*	17	*	0	0	*
3314	Nonferrous Metals, except Aluminum	95	45	0	*	42	1	0	5	2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	44	27	0	*	16	*	0	*	1
3315	Foundries	92	37	*	*	44	1	*	10	*
331511	Iron Foundries	40	18	0	*	12	*	*	10	*
331523	Nonferrous Metal Die-Casting Foundries	22	7	*	*	15	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	9	3	0	*	6	*	0	0	*
332	Fabricated Metal Products	253	123	0	Q	124	3	*	0	2
333	Machinery	146	80	*	2	59	3	*	0	1
334	Computer and Electronic Products	107	76	*	*	30	*	0	0	*
334413	Semiconductors and Related Devices	53	40	*	*	14	*	0	0	*
335	Electrical Equip., Appliances, and Components	77	38	*	*	37	1	0	0	Q
336	Transportation Equipment	345	172	2	4	157	3	0	*	7
336111	Automobiles	34	14	0	*	18	*	0	0	2

336112	Light Trucks and Utility Vehicles	41	14	0	*	25	*	0	0	1
3364	Aerospace Product and Parts	64	33	*	*	27	*	0	0	4
336411	Aircraft	17	9	0	*	6	*	0	0	2
337	Furniture and Related Products	33	16	0	*	15	1	*	0	Q
339	Miscellaneous	61	33	0	*	25	1	*	0	1
	Total	11,142	2,680	14	82	6,312	52	432	262	1,308

Northeast Census Region

311	Food	81	27	*	Q	48	1	0	0	*
3112	Grain and Oilseed Milling	4	2	0	*	2	*	0	0	0
311221	Wet Corn Milling	*	*	0	0	*	*	0	0	0
31131	Sugar Manufacturing	2	*	0	*	2	*	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	12	3	*	*	9	*	0	0	*
3115	Dairy Product	17	5	*	*	11	*	0	0	*
3116	Animal Slaughtering and Processing	11	4	0	*	7	*	0	0	*
312	Beverage and Tobacco Products	13	6	*	*	7	*	0	0	*
3121	Beverages	12	6	*	*	6	*	0	0	*
3122	Tobacco	1	*	*	*	1	*	0	0	*
313	Textile Mills	6	2	0	*	4	1	0	0	*
314	Textile Product Mills	2	1	0	*	1	*	*	0	*
315	Apparel	1	1	0	0	1	*	*	0	0
316	Leather and Allied Products	1	*	0	*	*	*	0	0	0
321	Wood Products	20	5	*	1	5	1	*	0	Q
321113	Sawmills	5	1	*	1	*	*	0	0	3
3212	Veneer, Plywood, and Engineered Woods	3	1	*	*	2	*	*	0	*
321219	Reconstituted Wood Products	2	1	*	*	2	*	0	0	*
3219	Other Wood Products	11	3	*	*	3	*	*	0	Q
322	Paper	134	20	3	*	77	1	8	0	25
322110	Pulp Mills	D	D	*	*	4	*	0	0	5
322121	Paper Mills, except Newsprint	84	8	2	*	49	*	7	0	17
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	23	5	*	*	15	*	0	0	3
323	Printing and Related Support	9	5	*	*	3	*	0	0	*
324	Petroleum and Coal Products	67	9	*	2	42	*	0	0	13
324110	Petroleum Refineries	48	7	*	*	30	*	0	0	11
324121	Asphalt Paving Mixture and Block	14	1	*	2	9	*	0	0	2
324122	Asphalt Shingle and Coating Materials	2	*	0	*	2	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	1	*	0	*	1	*	0	0	*
324199	Other Petroleum and Coal Products	2	*	0	*	2	*	0	0	*
325	Chemicals	151	39	*	1	95	*	5	0	12
325110	Petrochemicals	*	*	0	*	*	*	0	0	*
325120	Industrial Gases	12	9	0	0	1	*	0	0	1
325180	Other Basic Inorganic Chemicals	13	6	0	*	6	*	0	0	2
325193	Ethyl Alcohol	7	1	0	*	7	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3	*	0	0	2	0	0	0	*

325199	Other Basic Organic Chemicals	37	5	*	*	25	*	5	0	2
325211	Plastics Materials and Resins	10	3	0	*	5	*	0	0	2
325212	Synthetic Rubber	*	*	0	*	*	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	*	0	*	*	*	0	0	*
325311	Nitrogenous Fertilizers	1	*	0	*	*	*	0	0	*
325312	Phosphatic Fertilizers	*	*	0	*	0	*	0	0	0
3254	Pharmaceuticals and Medicines	32	8	0	*	23	*	0	0	1
325412	Pharmaceutical Preparation	13	5	0	*	8	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	4	1	*	*	1	*	0	0	2
326	Plastics and Rubber Products	28	16	0	*	11	Q	0	0	*
327	Nonmetallic Mineral Products	81	13	0	4	52	*	5	0	7
327120	Clay Building Material and Refractories	6	1	0	*	3	*	2	0	*
327211	Flat Glass	4	*	0	0	4	*	0	0	0
327212	Other Pressed and Blown Glass and Glassware	5	1	0	*	4	*	0	0	*
327213	Glass Containers	7	2	0	*	6	*	0	0	*
327215	Glass Products from Purchased Glass	3	1	0	*	2	*	0	0	*
327310	Cements	24	3	0	*	15	*	2	0	4
327410	Lime	5	*	0	*	3	0	2	0	*
327420	Gypsum	6	*	0	*	6	*	0	0	0
327993	Mineral Wool	3	*	0	*	3	*	0	0	0
331	Primary Metals	114	37	0	1	72	*	*	1	2
331110	Iron and Steel Mills and Ferroalloys	69	22	0	*	44	*	*	*	2
3312	Steel Products from Purchased Steel	4	2	0	*	2	*	*	*	*
3313	Alumina and Aluminum	20	5	0	*	15	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	*	0	*	*	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	9	2	0	*	7	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	5	1	0	*	4	*	0	0	*
3314	Nonferrous Metals, except Aluminum	14	5	0	*	7	*	0	1	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1	*	0	0	*	*	0	0	0
3315	Foundries	8	3	0	*	4	*	*	*	*
331511	Iron Foundries	3	2	0	*	1	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	1	*	0	0	1	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	*	*	0	0	*
332	Fabricated Metal Products	46	21	0	*	24	Q	0	0	*
333	Machinery	14	8	*	*	5	1	*	0	*
334	Computer and Electronic Products	23	15	*	*	8	*	0	0	*
334413	Semiconductors and Related Devices	6	4	*	*	2	*	0	0	*
335	Electrical Equip., Appliances, and Components	12	5	0	*	7	*	0	0	*
336	Transportation Equipment	34	Q	*	*	17	*	0	0	*
336111	Automobiles	*	*	0	0	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	*	0	0	*	0	0	0	0
3364	Aerospace Product and Parts	9	3	*	*	6	*	0	0	*
336411	Aircraft	1	1	0	*	1	*	0	0	*
337	Furniture and Related Products	5	2	0	*	2	*	0	0	*
339	Miscellaneous	17	7	0	*	9	*	0	0	*

	Total	859	255	4	15	489	9	19	1	67
Midwest Census Region										
311	Food	483	113	*	2	304	1	42	1	20
3112	Grain and Oilseed Milling	188	36	*	1	116	*	18	0	17
311221	Wet Corn Milling	99	19	0	*	57	*	10	0	13
31131	Sugar Manufacturing	35	2	*	*	8	*	23	1	*
3114	Fruit and Vegetable Preserving and Specialty Food	32	12	0	*	19	*	0	0	*
3115	Dairy Product	47	15	*	*	31	*	0	0	1
3116	Animal Slaughtering and Processing	88	26	*	1	61	*	0	0	1
312	Beverage and Tobacco Products	17	5	*	*	12	*	0	0	*
3121	Beverages	17	5	*	*	12	*	0	0	*
3122	Tobacco	*	*	0	0	*	0	0	0	0
313	Textile Mills	2	1	0	*	1	*	0	0	*
314	Textile Product Mills	1	*	0	0	*	0	0	0	0
315	Apparel	*	*	0	0	*	0	0	0	0
316	Leather and Allied Products	1	*	0	*	1	*	0	0	*
321	Wood Products	27	10	*	Q	10	1	0	0	Q
321113	Sawmills	3	2	*	*	1	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	8	3	0	*	4	*	0	0	Q
321219	Reconstituted Wood Products	5	2	0	*	3	*	0	0	*
3219	Other Wood Products	15	6	0	Q	5	*	0	0	*
322	Paper	199	45	*	*	110	1	13	0	29
322110	Pulp Mills	D	D	0	*	1	*	0	0	*
322121	Paper Mills, except Newsprint	100	17	*	*	54	*	12	0	16
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	51	10	*	*	29	*	1	0	12
323	Printing and Related Support	26	13	0	*	13	*	0	0	*
324	Petroleum and Coal Products	212	37	*	2	136	1	0	0	35
324110	Petroleum Refineries	184	34	0	*	117	1	0	0	32
324121	Asphalt Paving Mixture and Block	13	1	*	2	10	*	0	0	*
324122	Asphalt Shingle and Coating Materials	5	1	0	*	4	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	3	1	0	*	2	*	0	0	*
324199	Other Petroleum and Coal Products	6	1	0	*	2	*	0	0	2
325	Chemicals	791	132	0	1	559	D	D	0	52
325110	Petrochemicals	*	*	0	*	*	*	0	0	0
325120	Industrial Gases	23	22	0	0	*	*	0	0	0
325180	Other Basic Inorganic Chemicals	39	13	0	*	21	*	0	0	5
325193	Ethyl Alcohol	415	33	0	*	327	*	44	0	10
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	7	1	0	*	2	*	0	0	3
325199	Other Basic Organic Chemicals	70	14	0	*	41	*	Q	0	15
325211	Plastics Materials and Resins	48	11	0	*	32	*	D	0	D
325212	Synthetic Rubber	2	1	0	*	1	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	1	*	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	52	6	0	*	45	*	0	0	1

325312	Phosphatic Fertilizers	*	*	0	*	*	*	0	0	0
3254	Pharmaceuticals and Medicines	35	11	0	*	21	*	*	0	2
325412	Pharmaceutical Preparation	24	7	0	*	14	*	*	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	0	*	*	*	0	0	*
326	Plastics and Rubber Products	110	74	0	*	35	1	0	0	*
327	Nonmetallic Mineral Products	237	39	0	5	89	*	58	1	44
327120	Clay Building Material and Refractories	9	1	0	*	8	*	1	0	*
327211	Flat Glass	16	2	0	*	14	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	10	2	0	*	8	*	0	0	*
327213	Glass Containers	15	3	0	*	12	*	0	0	*
327215	Glass Products from Purchased Glass	8	6	0	*	2	*	0	0	*
327310	Cements	76	11	0	*	6	*	30	*	29
327410	Lime	46	2	0	*	10	*	27	1	7
327420	Gypsum	10	1	0	*	9	*	0	0	*
327993	Mineral Wool	13	4	0	*	8	*	0	*	*
331	Primary Metals	760	143	*	D	334	2	D	244	11
331110	Iron and Steel Mills and Ferroalloys	594	69	*	D	253	*	D	236	10
3312	Steel Products from Purchased Steel	21	8	0	*	13	*	0	0	*
3313	Alumina and Aluminum	59	29	0	*	29	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	9	1	0	*	8	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	19	5	0	*	13	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	8	2	0	*	5	*	0	0	*
3314	Nonferrous Metals, except Aluminum	28	14	0	*	12	1	0	1	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12	8	0	*	3	*	0	*	*
3315	Foundries	58	22	*	*	27	*	*	8	*
331511	Iron Foundries	27	11	0	*	8	*	*	8	*
331523	Nonferrous Metal Die-Casting Foundries	14	5	*	*	9	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	5	2	0	*	4	*	0	0	*
332	Fabricated Metal Products	124	63	0	Q	58	1	0	0	*
333	Machinery	73	33	0	1	36	2	0	0	*
334	Computer and Electronic Products	14	11	0	*	4	*	0	0	*
334413	Semiconductors and Related Devices	5	4	0	*	1	*	0	0	*
335	Electrical Equip., Appliances, and Components	27	13	*	*	13	1	0	0	*
336	Transportation Equipment	182	85	0	D	90	D	0	*	5
336111	Automobiles	21	7	0	*	13	*	0	0	1
336112	Light Trucks and Utility Vehicles	25	8	0	*	16	*	0	0	1
3364	Aerospace Product and Parts	18	8	0	*	8	*	0	0	2
336411	Aircraft	4	2	0	*	2	*	0	0	*
337	Furniture and Related Products	15	6	0	*	9	*	0	0	*
339	Miscellaneous	22	11	0	*	9	*	*	0	1
	Total	3,322	836	*	20	1,823	14	182	247	200
South Census Region										
311	Food	268	80	*	3	162	2	1	0	21
3112	Grain and Oilseed Milling	42	10	*	*	25	*	*	0	7

311221	Wet Corn Milling	9	1	0	*	2	*	*	0	5
31131	Sugar Manufacturing	12	1	*	*	10	*	*	0	*
3114	Fruit and Vegetable Preserving and Specialty Food	23	7	0	*	16	*	0	0	*
3115	Dairy Product	19	8	0	*	10	*	0	0	*
3116	Animal Slaughtering and Processing	110	33	0	2	60	1	0	0	13
312	Beverage and Tobacco Products	52	26	*	*	24	*	*	0	1
3121	Beverages	46	24	0	*	20	*	*	0	1
3122	Tobacco	6	3	*	*	4	*	0	0	*
313	Textile Mills	53	33	*	*	16	Q	1	0	1
314	Textile Product Mills	17	8	0	*	9	*	0	0	*
315	Apparel	3	2	0	*	1	*	0	0	*
316	Leather and Allied Products	*	*	0	0	*	*	0	0	*
321	Wood Products	100	44	0	4	40	1	0	0	11
321113	Sawmills	40	20	0	2	14	*	0	0	4
3212	Veneer, Plywood, and Engineered Woods	38	14	0	*	19	*	0	0	5
321219	Reconstituted Wood Products	26	9	0	*	13	*	0	0	3
3219	Other Wood Products	18	9	0	1	6	1	0	0	1
322	Paper	629	92	4	3	331	1	33	0	165
322110	Pulp Mills	58	5	2	1	35	*	*	0	14
322121	Paper Mills, except Newsprint	176	27	1	1	93	*	20	0	35
322122	Newsprint Mills	14	7	0	*	4	*	0	0	3
322130	Paperboard Mills	338	38	1	1	175	*	13	0	110
323	Printing and Related Support	21	13	0	*	7	*	0	0	*
324	Petroleum and Coal Products	993	116	*	4	D	1	*	0	D
324110	Petroleum Refineries	930	108	0	1	D	*	0	0	D
324121	Asphalt Paving Mixture and Block	22	2	*	3	15	1	*	0	1
324122	Asphalt Shingle and Coating Materials	8	2	0	*	6	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	21	4	0	*	16	*	0	0	1
324199	Other Petroleum and Coal Products	12	1	0	*	3	*	0	0	8
325	Chemicals	D	335	*	4	D	D	D	2	D
325110	Petrochemicals	383	27	0	*	D	1	0	0	D
325120	Industrial Gases	D	33	0	*	D	*	0	0	D
325180	Other Basic Inorganic Chemicals	280	74	0	*	173	*	0	2	31
325193	Ethyl Alcohol	15	1	0	*	14	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	75	11	0	*	44	*	0	0	20
325199	Other Basic Organic Chemicals	552	51	*	1	331	*	24	0	143
325211	Plastics Materials and Resins	549	68	0	D	380	D	D	0	D
325212	Synthetic Rubber	32	4	0	*	18	*	2	0	9
325220	Artificial and Synthetic Fibers and Filaments	32	9	0	*	23	*	*	0	*
325311	Nitrogenous Fertilizers	172	10	0	*	162	*	0	0	*
325312	Phosphatic Fertilizers	D	6	*	D	D	*	D	0	*
3254	Pharmaceuticals and Medicines	38	11	0	*	14	*	0	0	13
325412	Pharmaceutical Preparation	25	6	0	*	6	*	0	0	12
325992	Photographic Film, Paper, Plate, and Chemicals	2	1	0	*	1	*	0	0	*
326	Plastics and Rubber Products	102	66	*	Q	33	2	0	0	*

327	Nonmetallic Mineral Products	342	56	*	5	156	1	73	3	46
327120	Clay Building Material and Refractories	29	4	0	*	24	*	0	0	1
327211	Flat Glass	21	2	0	*	17	*	0	0	1
327212	Other Pressed and Blown Glass and Glassware	15	4	0	*	10	*	0	0	1
327213	Glass Containers	19	4	0	*	15	*	0	0	*
327215	Glass Products from Purchased Glass	8	5	0	*	3	*	0	0	*
327310	Cements	132	18	0	1	27	*	48	2	36
327410	Lime	40	2	0	1	5	*	25	1	6
327420	Gypsum	31	3	0	*	28	*	0	0	*
327993	Mineral Wool	13	4	0	*	9	*	*	*	*
331	Primary Metals	372	166	0	D	190	1	D	6	4
331110	Iron and Steel Mills and Ferroalloys	194	89	0	D	97	*	D	1	2
3312	Steel Products from Purchased Steel	25	13	0	*	9	*	0	1	*
3313	Alumina and Aluminum	104	39	0	*	64	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	10	1	0	*	9	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	40	10	0	*	30	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	9	2	0	*	6	*	0	0	*
3314	Nonferrous Metals, except Aluminum	30	15	0	*	10	*	0	3	1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	13	10	0	*	1	*	0	0	1
3315	Foundries	19	8	0	*	9	*	0	1	*
331511	Iron Foundries	8	5	0	*	2	*	0	1	*
331523	Nonferrous Metal Die-Casting Foundries	5	1	0	*	4	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	2	1	0	*	1	*	0	0	*
332	Fabricated Metal Products	57	25	0	*	30	1	*	0	*
333	Machinery	51	36	0	Q	15	*	0	0	*
334	Computer and Electronic Products	31	24	0	*	7	*	0	0	*
334413	Semiconductors and Related Devices	18	14	0	*	4	*	0	0	*
335	Electrical Equip., Appliances, and Components	32	15	0	*	15	*	0	0	Q
336	Transportation Equipment	104	57	2	D	40	D	0	0	2
336111	Automobiles	12	6	0	*	5	*	0	0	*
336112	Light Trucks and Utility Vehicles	16	7	0	*	9	*	0	0	*
3364	Aerospace Product and Parts	17	12	0	*	5	*	0	0	1
336411	Aircraft	7	5	0	*	1	*	0	0	1
337	Furniture and Related Products	11	6	0	*	4	*	*	0	Q
339	Miscellaneous	17	10	0	*	6	Q	0	0	*
	Total	D	1,210	7	30	D	18	141	11	899

West Census Region

311	Food	269	94	0	6	155	2	5	*	6
3112	Grain and Oilseed Milling	10	3	0	*	7	*	0	0	*
311221	Wet Corn Milling	2	*	0	*	2	*	0	0	*
31131	Sugar Manufacturing	21	1	0	*	13	*	5	*	2
3114	Fruit and Vegetable Preserving and Specialty Food	61	12	0	*	47	*	0	0	1
3115	Dairy Product	39	11	0	*	26	1	0	0	1
3116	Animal Slaughtering and Processing	Q	Q	0	*	21	*	0	0	*

312	Beverage and Tobacco Products	24	12	0	*	11	1	0	0	*
3121	Beverages	24	12	0	*	11	1	0	0	*
3122	Tobacco	*	*	0	0	0	0	0	0	0
313	Textile Mills	2	1	0	0	1	*	0	0	*
314	Textile Product Mills	Q	1	0	0	Q	*	0	0	0
315	Apparel	*	*	0	0	*	*	0	0	0
316	Leather and Allied Products	*	*	0	0	*	*	0	0	*
321	Wood Products	44	15	0	2	13	1	0	0	13
321113	Sawmills	18	6	0	1	3	*	0	0	8
3212	Veneer, Plywood, and Engineered Woods	19	6	0	*	7	*	0	0	6
321219	Reconstituted Wood Products	6	3	0	*	3	*	0	0	*
3219	Other Wood Products	6	3	0	*	2	*	0	0	*
322	Paper	108	34	1	*	54	*	0	0	18
322110	Pulp Mills	2	*	*	0	0	0	0	0	1
322121	Paper Mills, except Newsprint	43	9	0	*	28	*	0	0	6
322122	Newsprint Mills	11	10	0	*	1	*	0	0	*
322130	Paperboard Mills	40	10	1	*	17	*	0	0	11
323	Printing and Related Support	4	3	0	*	1	*	0	0	*
324	Petroleum and Coal Products	369	36	2	1	256	4	0	0	70
324110	Petroleum Refineries	347	34	2	1	244	2	0	0	63
324121	Asphalt Paving Mixture and Block	14	1	*	*	8	Q	0	0	2
324122	Asphalt Shingle and Coating Materials	3	*	0	*	2	*	0	0	*
324191	Petroleum Lubricating Oil and Grease Products	1	*	0	0	1	*	0	0	0
324199	Other Petroleum and Coal Products	5	*	0	*	*	*	0	0	4
325	Chemicals	D	42	0	*	D	*	33	0	5
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	D	14	0	0	D	*	0	0	0
325180	Other Basic Inorganic Chemicals	65	11	0	*	18	*	33	0	Q
325193	Ethyl Alcohol	14	1	0	*	11	*	0	0	1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	2	*	0	*	2	*	0	0	*
325199	Other Basic Organic Chemicals	7	3	0	*	4	*	0	0	1
325211	Plastics Materials and Resins	2	1	0	*	1	*	0	0	*
325212	Synthetic Rubber	*	*	0	0	*	*	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	*	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	6	2	0	*	5	*	0	0	*
325312	Phosphatic Fertilizers	D	2	0	*	D	*	0	0	*
3254	Pharmaceuticals and Medicines	9	5	0	*	4	*	0	0	*
325412	Pharmaceutical Preparation	5	3	0	*	2	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	2	1	0	*	1	*	0	0	*
326	Plastics and Rubber Products	17	11	0	*	Q	*	0	0	*
327	Nonmetallic Mineral Products	160	21	0	6	50	Q	53	Q	28
327120	Clay Building Material and Refractories	2	*	0	*	2	*	0	0	*
327211	Flat Glass	6	1	0	*	5	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	1	*	0	*	1	*	0	0	*
327213	Glass Containers	12	3	0	*	9	*	0	0	*

327215	Glass Products from Purchased Glass	2	1	0	*	*	*	0	0	*
327310	Cements	64	8	0	*	9	*	25	*	21
327410	Lime	14	1	0	*	*	*	9	*	3
327420	Gypsum	11	1	0	Q	10	*	0	0	*
327993	Mineral Wool	4	2	0	*	2	*	0	0	*
331	Primary Metals	85	41	0	*	42	*	0	1	*
331110	Iron and Steel Mills and Ferroalloys	28	11	0	*	17	*	0	0	*
3312	Steel Products from Purchased Steel	1	1	0	*	*	*	0	0	*
3313	Alumina and Aluminum	24	16	0	*	9	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	2	1	0	*	1	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	5	2	0	*	4	*	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	3	1	0	*	2	*	0	0	*
3314	Nonferrous Metals, except Aluminum	23	11	0	*	13	*	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	19	8	0	*	11	*	0	0	*
3315	Foundries	8	3	0	*	4	*	0	1	*
331511	Iron Foundries	2	*	0	*	1	*	0	1	*
331523	Nonferrous Metal Die-Casting Foundries	2	1	0	*	1	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	1	*	0	0	*
332	Fabricated Metal Products	27	14	0	*	11	*	0	0	Q
333	Machinery	8	4	0	*	3	*	0	0	*
334	Computer and Electronic Products	38	27	0	*	12	*	0	0	*
334413	Semiconductors and Related Devices	25	18	0	*	7	*	0	0	*
335	Electrical Equip., Appliances, and Components	7	5	0	*	Q	*	0	0	*
336	Transportation Equipment	25	14	0	*	10	*	0	0	1
336111	Automobiles	1	1	0	*	*	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	*	0	0	*	*	0	0	0
3364	Aerospace Product and Parts	19	10	0	*	8	*	0	0	1
336411	Aircraft	5	2	0	*	2	*	0	0	1
337	Furniture and Related Products	3	2	0	0	1	*	0	0	*
339	Miscellaneous	5	3	0	*	1	*	0	0	*
	Total	D	379	4	17	D	11	90	3	143

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

(b) *Electricity* consists of quantities of electricity that were purchased or transferred in, and is equivalent to *purchased electricity* as defined in the *Annual Survey of Manufactures*.

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

(d) *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.

(e) 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).

(f) *Other* includes all other energy that was purchased or transferred in and not shown elsewhere.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

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

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of *purchased* fuels and electric energy used by the Bureau of the Census in

the preparation of *Fuels and Electric Energy Consumed*, of the *Annual Survey of Manufactures*.

Sources: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*, and Office of Energy Production, Conversion & Delivery, Form EIA-810, *Monthly Refinery Report* for 2018.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).

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

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	Coal	Coke and Breeze	Other(f)
Total United States										
311	Food	5.2	11.4	2.2	29.3	4.5	18.4	0.0	0.0	13.1
3112	Grain and Oilseed Milling	2.4	1.9	15.8	15.6	3.6	15.0	0.0	X	3.6
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	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	3.2	6.1	0.0	6.9	3.3	5.8	X	X	2.6
3115	Dairy Product	2.2	3.3	28.5	32.4	2.3	12.9	X	X	18.1
3116	Animal Slaughtering and Processing	14.9	31.0	0.0	13.8	6.2	22.0	X	X	38.1
312	Beverage and Tobacco Products	8.5	15.5	0.0	29.3	8.5	11.3	0.0	X	5.2
3121	Beverages	9.1	16.4	0.0	31.3	9.3	12.9	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	78.4	21.0	12.7	25.7	16.2	X	3.9
314	Textile Product Mills	9.7	7.9	X	28.1	13.5	29.1	0.0	X	76.5
315	Apparel	10.1	11.3	X	51.8	14.3	42.3	99.4	X	98.2
316	Leather and Allied Products	7.7	5.1	X	4.0	11.6	31.1	X	X	21.5
321	Wood Products	5.4	2.9	3.5	31.5	10.2	5.6	63.3	X	12.2
321113	Sawmills	12.6	6.2	3.6	3.6	36.2	8.6	X	X	2.2
3212	Veneer, Plywood, and Engineered Woods	2.0	1.2	0.0	3.2	1.2	3.1	80.4	X	10.1
321219	Reconstituted Wood Products	1.1	1.5	0.0	2.7	0.9	5.9	X	X	0.1
3219	Other Wood Products	12.3	5.8	85.9	65.7	14.7	14.7	75.3	X	61.0
322	Paper	0.7	1.2	0.0	0.7	1.0	11.1	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	50.9	43.0	10.0	21.4	X	X	59.2
324	Petroleum and Coal Products	0.3	0.5	10.0	11.4	D	15.4	19.9	X	D
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	D	0.0	X	X	D
324121	Asphalt Paving Mixture and Block	5.4	8.7	30.1	15.2	3.9	36.8	19.9	X	20.4
324122	Asphalt Shingle and Coating Materials	1.1	1.7	X	0.9	1.1	2.6	X	X	0.1
324191	Petroleum Lubricating Oil and Grease Products	16.7	18.4	X	60.7	17.4	19.5	X	X	0.2

324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	1.4	1.4	0.0	2.5	D	13.9	0.4	0.0	D
325110	Petrochemicals	0.0	0.0	X	0.0	D	0.0	X	X	D
325120	Industrial Gases	2.0	3.5	X	0.0	D	70.3	X	X	D
325180	Other Basic Inorganic Chemicals	2.9	2.0	X	3.2	4.0	9.2	0.0	0.0	5.6
325193	Ethyl Alcohol	1.2	1.9	X	2.8	1.5	8.6	0.0	X	2.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325199	Other Basic Organic Chemicals	4.6	5.2	0.0	9.2	6.0	8.3	1.6	X	9.5
325211	Plastics Materials and Resins	1.5	2.4	X	D	1.1	D	D	X	6.2
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	3.9	12.5	X	2.7	3.2	86.5	X	X	1.8
325312	Phosphatic Fertilizers	D	0.0	0.0	D	0.0	0.0	D	X	0.0
3254	Pharmaceuticals and Medicines	6.0	2.9	X	2.6	5.2	25.5	0.0	X	36.4
325412	Pharmaceutical Preparation	9.7	1.7	X	2.9	9.6	30.1	0.0	X	40.2
325992	Photographic Film, Paper, Plate, and Chemicals	0.2	0.3	0.0	0.1	0.4	1.5	X	X	0.0
326	Plastics and Rubber Products	7.8	7.7	72.4	64.9	14.3	17.3	X	X	35.2
327	Nonmetallic Mineral Products	2.9	2.5	97.3	16.7	1.7	27.5	7.5	18.7	2.7
327120	Clay Building Material and Refractories	2.0	3.6	X	2.2	2.1	5.5	0.0	X	24.9
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	0.6	0.6	X	0.7	0.7	27.7	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	1.0	1.4	X	26.8	1.1	1.9	X	X	0.2
327310	Cements	0.4	0.4	X	0.3	1.2	1.1	0.3	11.3	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	0.1	1.0	6.3	0.0	0.0	0.1
331	Primary Metals	0.4	1.1	0.3	0.9	0.2	2.2	0.1	0.3	1.3
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	9.7	17.6	X	11.1	3.9	15.4	0.0	0.0	41.2
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	2.8
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	2.3	X	X	0.8
3314	Nonferrous Metals, except Aluminum	1.0	0.9	X	5.2	1.3	1.9	X	11.1	1.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.8	0.6	X	0.2	1.3	3.1	X	0.0	0.1
3315	Foundries	0.9	0.9	89.7	1.6	0.9	1.8	0.9	4.2	1.9
331511	Iron Foundries	1.7	1.5	X	0.8	2.0	4.5	0.0	4.2	4.4
331523	Nonferrous Metal Die-Casting Foundries	1.3	1.2	89.7	5.6	1.6	1.4	X	X	0.5
331524	Aluminum Foundries, except Die-Casting	1.0	1.1	X	1.6	1.3	2.9	X	X	3.3
332	Fabricated Metal Products	11.4	10.0	X	69.1	16.1	18.3	70.3	X	47.4

333	Machinery	12.0	17.2	99.0	29.7	13.0	28.0	99.0	X	47.9
334	Computer and Electronic Products	6.0	6.8	0.0	57.2	10.4	48.0	X	X	35.1
334413	Semiconductors and Related Devices	3.3	3.3	0.0	1.2	3.6	13.2	X	X	6.0
335	Electrical Equip., Appliances, and Components	10.7	8.8	47.2	23.6	15.1	24.5	X	X	51.4
336	Transportation Equipment	7.9	9.2	10.2	26.4	8.5	13.5	X	30.3	6.9
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	3.0	4.2	0.0	3.9	2.8	18.5	X	X	0.9
336411	Aircraft	5.6	10.0	X	8.0	1.6	52.7	X	X	0.1
337	Furniture and Related Products	9.3	8.6	X	60.4	12.4	24.6	75.8	X	58.2
339	Miscellaneous	12.2	11.2	X	59.8	17.6	45.0	99.0	X	6.7
	Total	0.8	1.8	2.5	8.3	0.9	4.8	3.3	0.5	1.6

Northeast Census Region

311	Food	10.2	11.7	0.0	88.2	9.9	15.0	X	X	10.4
3112	Grain and Oilseed Milling	2.3	5.2	X	71.1	0.9	0.0	X	X	X
311221	Wet Corn Milling	0.0	0.0	X	X	0.0	0.0	X	X	X
31131	Sugar Manufacturing	0.0	0.0	X	0.0	0.0	0.0	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	10.5	6.5	0.0	16.0	13.6	14.9	X	X	8.9
3115	Dairy Product	5.2	4.7	0.0	14.6	6.6	10.2	X	X	24.6
3116	Animal Slaughtering and Processing	2.5	2.9	X	2.3	2.2	35.1	X	X	0.3
312	Beverage and Tobacco Products	5.0	7.1	0.0	50.3	4.3	29.5	X	X	0.0
3121	Beverages	5.3	7.2	0.0	50.9	4.8	29.7	X	X	0.0
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
313	Textile Mills	8.6	6.3	X	59.3	13.1	3.7	X	X	83.5
314	Textile Product Mills	30.8	32.3	X	62.8	41.4	54.9	0.0	X	84.7
315	Apparel	27.8	30.5	X	X	36.6	68.3	99.4	X	X
316	Leather and Allied Products	11.0	8.7	X	2.4	15.1	9.1	X	X	X
321	Wood Products	20.7	8.5	1.1	18.6	16.6	3.1	63.3	X	50.7
321113	Sawmills	1.0	1.9	0.0	4.0	9.7	7.1	X	X	0.5
3212	Veneer, Plywood, and Engineered Woods	1.0	1.4	0.0	7.1	1.2	9.3	80.4	X	5.8
321219	Reconstituted Wood Products	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
3219	Other Wood Products	39.2	15.4	85.9	44.2	30.2	29.1	75.3	X	85.2
322	Paper	3.4	6.7	0.0	8.1	4.5	30.1	0.0	X	0.1
322110	Pulp Mills	D	D	0.0	0.0	0.0	0.0	X	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	X	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
323	Printing and Related Support	21.1	21.9	50.9	53.9	28.9	61.4	X	X	98.9
324	Petroleum and Coal Products	1.3	0.6	3.5	16.2	1.2	2.4	X	X	3.9
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0

324121	Asphalt Paving Mixture and Block	6.0	5.9	3.7	17.0	5.7	5.0	X	X	25.4
324122	Asphalt Shingle and Coating Materials	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
324191	Petroleum Lubricating Oil and Grease Products	1.2	3.8	X	25.5	1.6	4.3	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	8.9	4.4	0.0	3.0	13.0	18.3	0.0	X	8.9
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	9.0	11.4	X	X	5.8	85.5	X	X	21.6
325180	Other Basic Inorganic Chemicals	8.8	1.8	X	5.1	17.8	16.7	X	X	4.3
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	X	0.0	X	X	X	0.0
325199	Other Basic Organic Chemicals	0.4	0.7	0.0	0.0	0.5	19.5	0.0	X	0.0
325211	Plastics Materials and Resins	1.3	1.8	X	55.5	2.4	8.1	X	X	0.0
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	X	0.0	X	X	X
3254	Pharmaceuticals and Medicines	1.3	2.8	X	3.6	1.2	46.2	X	X	0.0
325412	Pharmaceutical Preparation	2.3	4.0	X	3.8	1.7	50.1	X	X	0.0
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
326	Plastics and Rubber Products	31.0	32.1	X	87.7	46.5	63.8	X	X	81.4
327	Nonmetallic Mineral Products	5.7	14.7	X	47.5	3.1	30.3	0.0	X	33.3
327120	Clay Building Material and Refractories	3.5	4.1	X	0.1	5.9	8.2	0.0	X	0.1
327211	Flat Glass	0.0	0.0	X	X	0.0	0.0	X	X	X
327212	Other Pressed and Blown Glass and Glassware	1.5	1.6	X	2.7	1.8	65.7	X	X	0.0
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	0.7	1.3	X	53.7	0.7	2.9	X	X	0.1
327310	Cements	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
327410	Lime	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0
327420	Gypsum	0.0	0.0	X	0.0	0.0	0.0	X	X	X
327993	Mineral Wool	0.0	0.0	X	0.0	0.0	0.0	X	X	X
331	Primary Metals	0.3	0.6	X	0.4	0.3	5.8	0.0	1.3	0.1
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	3.5	7.9	X	6.6	2.5	38.9	0.0	0.0	0.5
3313	Alumina and Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	X
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	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3314	Nonferrous Metals, except Aluminum	1.7	2.9	X	0.0	2.2	12.4	X	0.0	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	X	0.0	0.0	X	X	X
3315	Foundries	1.8	2.1	X	6.2	1.9	2.8	0.0	49.2	40.6
331511	Iron Foundries	1.4	1.1	X	2.1	1.4	1.2	0.0	49.2	66.1

323	Printing and Related Support	12.7	12.5	X	18.7	14.7	35.9	X	X	49.7
324	Petroleum and Coal Products	0.2	0.1	0.0	3.5	0.3	5.0	X	X	0.1
324110	Petroleum Refineries	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	3.0	2.6	0.0	4.2	3.8	30.3	X	X	52.3
324122	Asphalt Shingle and Coating Materials	1.3	3.4	X	0.0	1.3	1.8	X	X	0.0
324191	Petroleum Lubricating Oil and Grease Products	3.3	3.6	X	0.2	3.8	9.3	X	X	76.5
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	3.9	2.5	X	4.4	4.9	D	D	X	16.7
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	X
325120	Industrial Gases	3.2	3.2	X	X	3.5	25.8	X	X	X
325180	Other Basic Inorganic Chemicals	1.2	0.7	X	7.0	1.9	4.6	X	X	2.6
325193	Ethyl Alcohol	1.4	2.1	X	2.9	1.6	14.6	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	X	X	0.0
325199	Other Basic Organic Chemicals	13.2	5.5	X	10.0	20.6	10.6	87.5	X	0.2
325211	Plastics Materials and Resins	4.4	2.3	X	10.9	6.1	8.1	D	X	D
325212	Synthetic Rubber	0.0	0.0	X	0.0	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	0.1	0.1	X	2.5	0.1	39.4	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	X
3254	Pharmaceuticals and Medicines	10.6	8.4	X	13.7	15.0	37.8	0.0	X	0.1
325412	Pharmaceutical Preparation	12.5	1.9	X	16.5	20.1	40.1	0.0	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
326	Plastics and Rubber Products	13.6	12.8	X	59.1	24.1	25.8	X	X	62.3
327	Nonmetallic Mineral Products	1.9	4.0	X	38.4	2.6	33.0	0.0	0.0	1.8
327120	Clay Building Material and Refractories	2.9	3.6	X	5.0	3.4	13.8	0.0	X	10.7
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	0.9	0.9	X	0.8	1.0	8.6	X	X	0.0
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	2.1	2.6	X	0.5	3.2	8.5	X	X	0.0
327310	Cements	0.1	0.1	X	0.1	0.1	0.0	0.0	0.0	0.1
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.3	2.2	X	0.0	0.2	1.5	X	X	0.0
327993	Mineral Wool	0.5	0.7	X	0.0	0.5	3.2	X	0.0	0.0
331	Primary Metals	0.1	0.2	0.3	D	0.2	2.1	D	0.2	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	D	0.0	0.0	D	0.0	0.0
3312	Steel Products from Purchased Steel	2.6	1.8	X	5.3	3.7	17.8	X	X	2.4
3313	Alumina and Aluminum	0.5	0.2	X	1.1	0.8	3.8	X	X	0.4
331314	Secondary Smelting and Alloying of Aluminum	2.6	3.3	X	2.6	2.7	6.8	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	1.7	2.5	X	0.4	1.2	4.6	X	X	1.2
3314	Nonferrous Metals, except Aluminum	1.6	0.9	X	13.0	3.1	0.6	X	0.0	2.0

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	15.3	16.0	X	46.1	19.7	28.0	X	X	88.0
324	Petroleum and Coal Products	0.5	0.8	20.3	25.8	D	21.2	19.9	X	D
324110	Petroleum Refineries	0.0	0.0	X	0.0	D	0.0	X	X	D
324121	Asphalt Paving Mixture and Block	13.6	20.4	20.3	34.2	9.7	34.5	19.9	X	3.7
324122	Asphalt Shingle and Coating Materials	2.3	2.8	X	1.2	2.3	7.7	X	X	11.6
324191	Petroleum Lubricating Oil and Grease Products	20.1	22.5	X	72.2	20.9	22.3	X	X	0.1
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	D	2.0	0.0	3.3	D	D	D	0.0	D
325110	Petrochemicals	0.0	0.0	X	0.0	D	0.0	X	X	D
325120	Industrial Gases	D	7.1	X	0.0	D	66.4	X	X	D
325180	Other Basic Inorganic Chemicals	4.1	2.8	X	5.2	5.0	10.6	X	0.0	4.8
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	X	X	0.0
325199	Other Basic Organic Chemicals	5.3	7.3	0.0	10.6	6.8	10.2	0.0	X	10.6
325211	Plastics Materials and Resins	1.6	2.9	X	D	1.1	D	D	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	5.2	22.3	X	5.7	4.1	52.1	X	X	44.2
325312	Phosphatic Fertilizers	D	0.0	0.0	D	D	0.0	D	X	0.0
3254	Pharmaceuticals and Medicines	15.0	2.0	X	0.7	2.0	1.4	X	X	44.6
325412	Pharmaceutical Preparation	22.9	2.5	X	1.0	3.6	2.0	X	X	45.6
325992	Photographic Film, Paper, Plate, and Chemicals	0.9	0.9	X	7.0	1.4	1.6	X	X	0.0
326	Plastics and Rubber Products	14.5	15.0	72.4	72.4	21.8	22.7	X	X	41.5
327	Nonmetallic Mineral Products	1.4	2.7	97.3	20.9	2.1	28.6	0.3	7.6	2.2
327120	Clay Building Material and Refractories	2.9	5.3	X	3.1	3.0	7.2	X	X	27.4
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	0.9	0.6	X	0.0	1.2	33.2	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	35.2	0.9	1.7	X	X	0.1
327310	Cements	0.8	0.7	X	0.0	2.6	0.0	0.4	12.3	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	0.1	0.2	12.5	0.0	0.0	0.1
331	Primary Metals	1.3	2.5	X	D	0.5	6.8	D	9.7	5.4
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	D	0.0	0.0	D	0.0	0.0
3312	Steel Products from Purchased Steel	20.1	30.7	X	20.0	9.2	42.7	X	0.0	47.7
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	3.7

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	2.2	1.6	X	0.0	2.4	9.0	X	19.5	1.4
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3315	Foundries	0.9	1.4	X	3.4	0.8	4.2	X	0.0	3.9
331511	Iron Foundries	1.6	2.3	X	1.5	1.5	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	0.2
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	26.3	21.4	X	46.7	35.9	31.0	70.3	X	76.1
333	Machinery	28.6	37.4	X	75.6	29.2	41.2	X	X	69.3
334	Computer and Electronic Products	16.7	19.2	X	2.0	33.3	40.2	X	X	44.5
334413	Semiconductors and Related Devices	2.3	2.9	X	0.0	0.0	0.0	X	X	71.1
335	Electrical Equip., Appliances, and Components	14.0	13.7	X	36.9	16.9	28.3	X	X	58.8
336	Transportation Equipment	10.5	9.4	3.5	D	15.7	D	X	X	6.7
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	10.7	11.4	X	26.2	15.4	15.8	X	X	3.4
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	20.8	18.2	X	56.7	33.7	67.6	X	X	68.3
	Total	D	1.9	1.2	7.0	D	6.7	0.2	5.8	2.1

West Census Region

311	Food	18.8	37.2	X	28.1	13.4	44.8	0.0	0.0	36.3
3112	Grain and Oilseed Milling	4.6	7.6	X	0.0	6.1	43.1	X	X	7.3
311221	Wet Corn Milling	0.0	0.0	X	0.0	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	3.6	5.0	X	17.5	3.9	7.4	X	X	4.1
3115	Dairy Product	2.6	3.0	X	35.2	2.8	27.1	X	X	41.4
3116	Animal Slaughtering and Processing	60.5	73.8	X	11.2	32.7	59.3	X	X	82.5
312	Beverage and Tobacco Products	6.3	10.6	X	25.4	5.6	20.7	X	X	35.5
3121	Beverages	6.3	10.6	X	25.4	5.6	20.7	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	92.2	X	X	X
315	Apparel	23.3	26.1	X	X	31.1	32.2	X	X	X
316	Leather and Allied Products	9.6	7.6	X	X	21.7	33.4	X	X	0.0
321	Wood Products	2.3	3.6	X	3.5	4.4	10.8	X	X	0.7
321113	Sawmills	0.9	2.7	X	1.5	1.4	18.5	X	X	0.2
3212	Veneer, Plywood, and Engineered Woods	1.6	2.5	X	6.7	3.2	6.1	X	X	1.1
321219	Reconstituted Wood Products	0.5	1.0	X	0.0	0.1	7.7	X	X	0.1

3219	Other Wood Products	14.6	15.0	X	27.4	20.8	25.2	X	X	58.3
322	Paper	2.0	3.1	0.0	4.4	2.5	26.4	X	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	X	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	X	0.0	0.0	0.0	X	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	X	X	0.0
323	Printing and Related Support	23.3	23.8	X	99.0	31.9	44.5	X	X	91.1
324	Petroleum and Coal Products	0.4	0.3	11.9	2.7	0.1	25.0	X	X	1.2
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	10.6	10.4	58.9	10.6	4.4	56.5	X	X	37.8
324122	Asphalt Shingle and Coating Materials	0.9	3.1	X	19.9	0.5	1.5	X	X	3.4
324191	Petroleum Lubricating Oil and Grease Products	0.0	0.0	X	X	0.0	0.0	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	D	5.1	X	1.4	D	51.7	0.0	X	34.4
325110	Petrochemicals	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	D	4.7	X	X	D	95.1	X	X	X
325180	Other Basic Inorganic Chemicals	3.2	1.3	X	2.2	2.1	12.3	0.0	X	57.4
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	X	X	0.0
325199	Other Basic Organic Chemicals	3.6	4.2	X	4.3	4.0	14.2	X	X	0.1
325211	Plastics Materials and Resins	1.6	0.8	X	15.9	2.9	4.7	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	14.0	8.6	X	7.9	14.5	88.6	X	X	0.0
325312	Phosphatic Fertilizers	D	0.0	X	0.0	D	0.0	X	X	0.0
3254	Pharmaceuticals and Medicines	6.4	6.5	X	15.0	7.0	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	0.1	0.1	X	0.0	0.1	0.0	X	X	0.0
326	Plastics and Rubber Products	32.1	32.6	X	99.0	62.0	40.8	X	X	96.5
327	Nonmetallic Mineral Products	14.1	9.0	X	32.0	8.8	65.5	27.1	59.9	7.8
327120	Clay Building Material and Refractories	1.3	2.0	X	3.0	1.3	3.9	X	X	53.9
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	2.4	1.8	X	0.0	6.0	3.7	X	X	18.3
327310	Cements	0.4	0.8	X	1.7	0.1	23.8	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	3.7	0.8	3.6	X	0.0	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0

3312	Steel Products from Purchased Steel	6.6	7.8	X	1.9	16.0	1.5	X	X	15.8
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	2.1	2.1	X	21.9	2.5	4.6	X	X	0.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1.9	1.9	X	0.9	1.9	23.5	X	X	0.3
3315	Foundries	1.4	1.8	X	5.3	1.6	11.8	X	0.0	0.0
331511	Iron Foundries	0.7	0.5	X	0.0	0.3	49.5	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	6.7	0.4	X	X	0.0
332	Fabricated Metal Products	29.8	27.5	X	70.3	37.4	43.2	X	X	84.2
333	Machinery	27.3	24.0	X	73.8	43.3	50.8	X	X	97.0
334	Computer and Electronic Products	7.5	6.7	X	10.4	12.2	68.8	X	X	14.7
334413	Semiconductors and Related Devices	6.4	6.3	X	5.2	7.1	5.3	X	X	0.0
335	Electrical Equip., Appliances, and Components	29.1	22.5	X	96.8	53.3	80.5	X	X	94.0
336	Transportation Equipment	7.4	11.0	X	1.4	5.4	37.6	X	X	0.2
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	1.7	2.3	X	1.8	1.8	6.9	X	X	0.2
336411	Aircraft	4.1	6.7	X	14.1	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	48.6	X	X	93.5
	Total	D	9.4	7.6	15.4	D	15.3	15.8	42.9	2.7

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

(b) *Electricity* consists of quantities of electricity that were purchased or transferred in, and is equivalent to *purchased electricity* as defined in the *Annual Survey of Manufactures*.

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

(d) *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.

(e) 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).

(f) *Other* includes all other energy that was purchased or transferred in and not shown elsewhere.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error (RSE) is greater than 50 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. The derived estimates presented in this table represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of *purchased* fuels and electric energy used by the Bureau of the Census in the preparation of *Fuels and Electric Energy Consumed*, of the *Annual Survey of Manufactures*.

Sources: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2018 Manufacturing Energy Consumption Survey*, and Office of Energy Production, Conversion & Delivery, Form EIA-810, *Monthly Refinery Report* for 2018.

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).