

Released: October 2017
 Next MECS will be fielded in 2019

Table 3.5 Selected Byproducts in Fuel Consumption, 2014;

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

NAICS Code(a)	Subsector and Industry	Total	Blast	Waste Gas	Petroleum Coke	Pulping Liquor	Wood Chips, Bark	Waste Oils/Tars and Waste Materials
			Furnace/Coke Oven Gases			or Black Liquor		
Total United States								
311	Food	12	0	6	0	0	5	1
3112	Grain and Oilseed Milling	6	0	1	0	0	4	1
311221	Wet Corn Milling	3	0	*	0	0	2	0
31131	Sugar Manufacturing	*	0	*	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	3	0	2	0	0	1	*
3115	Dairy Product	*	0	*	0	0	0	0
3116	Animal Slaughtering and Processing	3	0	2	0	0	Q	*
312	Beverage and Tobacco Products	1	0	*	0	0	1	*
3121	Beverages	1	0	*	0	0	1	*
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	*	0	0	0	0	0	*
314	Textile Product Mills	*	0	*	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	241	0	0	0	0	235	6
321113	Sawmills	91	0	0	0	0	90	1
3212	Veneer, Plywood, and Engineered Woods	101	0	0	0	0	96	5
321219	Reconstituted Wood Products	57	0	0	0	0	52	5
3219	Other Wood Products	Q	0	0	0	0	Q	*
322	Paper	1,249	0	W	W	859	353	15
322110	Pulp Mills	216	0	*	*	165	51	*
322121	Paper Mills, except Newsprint	410	0	1	W	285	W	2
322122	Newsprint Mills	16	0	0	0	5	11	0
322130	Paperboard Mills	603	0	W	W	401	W	13
323	Printing and Related Support	Q	0	0	0	0	*	Q
324	Petroleum and Coal Products	1,920	15	1,329	571	0	*	4
324110	Petroleum Refineries	1,874	0	1,327	547	0	0	0
324121	Asphalt Paving Mixture and Block	4	0	*	0	0	0	4
324122	Asphalt Shingle and Coating Materials	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	41	15	2	24	0	*	0
325	Chemicals	381	6	364	W	0	W	6
325110	Petrochemicals	140	0	140	0	0	0	*
325120	Industrial Gases	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	45	6	39	0	0	*	*
325193	Ethyl Alcohol	1	0	1	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	W	0	*	0	0	W	*
325199	Other Basic Organic Chemicals	133	0	130	0	0	0	3
325211	Plastics Materials and Resins	52	0	50	0	0	0	2
325212	Synthetic Rubber	*	0	0	0	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	0	0	0	0	0	*
325311	Nitrogenous Fertilizers	3	0	1	0	0	1	*
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	0	0	0	0	*	*
325412	Pharmaceutical Preparation	*	0	0	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0	0
326	Plastics and Rubber Products	W	0	0	0	0	W	*
327	Nonmetallic Mineral Products	61	0	*	50	0	4	7
327120	Clay Building Material and Refractories	*	0	0	0	0	*	*
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	0	0	*	*
327310	Cements	43	0	*	32	0	3	7
327410	Lime	18	0	*	17	0	0	*
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	*	0	0	0	0	*	0
331	Primary Metals	248	234	4	5	0	4	*
331110	Iron and Steel Mills and Ferroalloys	241	234	4	1	0	1	*
3312	Steel Products from Purchased Steel	*	0	0	*	0	0	*

3313	Alumina and Aluminum	3	0	0	3	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	*	0	0	0	0	0	*
3314	Nonferrous Metals, except Aluminum	4	0	0	*	0	3	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	4	0	0	*	0	3	*
3315	Foundries	*	0	*	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	*	0	0	*	0	0	0
333	Machinery	W	0	W	0	0	0	*
334	Computer and Electronic Products	*	0	0	0	0	*	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	*
336	Transportation Equipment	4	0	4	0	0	0	*
336111	Automobiles	*	0	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	1	0	1	0	0	0	0
3364	Aerospace Product and Parts	2	0	2	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0
337	Furniture and Related Products	4	0	0	0	0	2	Q
339	Miscellaneous	0	0	0	0	0	0	0
	Total	4,123	255	1,711	647	859	610	42

Northeast Census Region

311	Food	*	0	*	0	0	*	*
3112	Grain and Oilseed Milling	0	0	0	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	*	0	*	0	0	*	*
3115	Dairy Product	*	0	*	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	0	0	0
312	Beverage and Tobacco Products	*	0	*	0	0	0	0
3121	Beverages	*	0	*	0	0	0	0
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	48	0	0	0	0	43	4
321113	Sawmills	3	0	0	0	0	3	*
3212	Veneer, Plywood, and Engineered Woods	39	0	0	0	0	34	4
321219	Reconstituted Wood Products	24	0	0	0	0	20	4
3219	Other Wood Products	6	0	0	0	0	6	0
322	Paper	97	0	*	4	61	30	2
322110	Pulp Mills	10	0	0	0	8	2	0
322121	Paper Mills, except Newsprint	82	0	*	4	50	27	2
322122	Newsprint Mills	0	0	0	0	0	0	0
322130	Paperboard Mills	0	0	0	0	0	0	0
323	Printing and Related Support	0	0	0	0	0	0	0
324	Petroleum and Coal Products	111	0	67	43	0	0	*
324110	Petroleum Refineries	111	0	67	43	0	0	0
324121	Asphalt Paving Mixture and Block	*	0	0	0	0	0	*
324122	Asphalt Shingle and Coating Materials	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0
325	Chemicals	2	0	*	0	0	1	*
325110	Petrochemicals	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	0	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	0	*	0	0	0	*
325211	Plastics Materials and Resins	*	0	*	0	0	0	*
325212	Synthetic Rubber	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	0	0	0	0	0	*
325311	Nitrogenous Fertilizers	1	0	0	0	0	1	*
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	3	0	*	3	0	0	0

327120	Clay Building Material and Refractories	0	0	0	0	0	0	0
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0
327310	Cements	3	0	0	3	0	0	0
327410	Lime	*	0	*	*	0	0	0
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	48	48	*	0	0	*	*
331110	Iron and Steel Mills and Ferroalloys	48	48	*	0	0	*	0
3312	Steel Products from Purchased Steel	*	0	0	0	0	0	*
3313	Alumina and Aluminum	*	0	0	0	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	*	0	0	0	0	0	*
3314	Nonferrous Metals, except Aluminum	*	0	0	0	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0	0	0	0	0
3315	Foundries	0	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0
333	Machinery	*	0	0	0	0	0	*
334	Computer and Electronic Products	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	0	0	0	0	*
336	Transportation Equipment	0	0	0	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	0	0	0	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0
337	Furniture and Related Products	Q	0	0	0	0	0	Q
339	Miscellaneous	0	0	0	0	0	0	0
	Total	310	48	68	50	61	75	8

Midwest Census Region

311	Food	4	0	2	0	0	Q	1
3112	Grain and Oilseed Milling	1	0	*	0	0	*	1
311221	Wet Corn Milling	*	0	*	0	0	0	0
31131	Sugar Manufacturing	*	0	*	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	*	0	*	0	0	*	*
3115	Dairy Product	*	0	*	0	0	0	0
3116	Animal Slaughtering and Processing	1	0	1	0	0	Q	0
312	Beverage and Tobacco Products	0	0	0	0	0	0	0
3121	Beverages	0	0	0	0	0	0	0
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	16	0	0	0	0	15	*
321113	Sawmills	5	0	0	0	0	5	*
3212	Veneer, Plywood, and Engineered Woods	5	0	0	0	0	5	*
321219	Reconstituted Wood Products	4	0	0	0	0	4	*
3219	Other Wood Products	Q	0	0	0	0	Q	*
322	Paper	85	0	*	4	51	25	6
322110	Pulp Mills	*	0	*	0	0	0	0
322121	Paper Mills, except Newsprint	73	0	*	4	48	20	*
322122	Newsprint Mills	0	0	0	0	0	0	0
322130	Paperboard Mills	12	0	*	0	3	4	5
323	Printing and Related Support	*	0	0	0	0	*	*
324	Petroleum and Coal Products	331	4	225	101	0	0	1
324110	Petroleum Refineries	326	0	225	101	0	0	0
324121	Asphalt Paving Mixture and Block	*	0	0	0	0	0	*
324122	Asphalt Shingle and Coating Materials	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	4	4	0	0	0	0	0
325	Chemicals	8	0	6	*	0	*	2
325110	Petrochemicals	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	*	0	*	0	0	*	*
325193	Ethyl Alcohol	1	0	1	0	0	0	0

325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	*	0	0	0	0	*	0
325199	Other Basic Organic Chemicals	1	0	*	0	0	0	*
325211	Plastics Materials and Resins	4	0	3	0	0	0	1
325212	Synthetic Rubber	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	1	0	1	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	21	0	*	16	0	Q	4
327120	Clay Building Material and Refractories	*	0	0	0	0	*	*
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	0	0	0	*
327310	Cements	13	0	0	9	0	*	4
327410	Lime	7	0	*	7	0	0	*
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	*	0	0	0	0	*	0
331	Primary Metals	176	168	4	4	0	*	*
331110	Iron and Steel Mills and Ferroalloys	173	168	4	1	0	*	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0
3313	Alumina and Aluminum	3	0	0	3	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	0	0	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	0	0	0	0	0	*
3315	Foundries	*	0	*	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0
333	Machinery	*	0	0	0	0	0	*
334	Computer and Electronic Products	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0
336	Transportation Equipment	2	0	2	0	0	0	*
336111	Automobiles	*	0	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	W	0	W	0	0	0	0
3364	Aerospace Product and Parts	W	0	W	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0
337	Furniture and Related Products	*	0	0	0	0	*	0
339	Miscellaneous	0	0	0	0	0	0	0
	Total	642	172	239	125	51	41	13

South Census Region

311	Food	5	0	2	0	0	4	*
3112	Grain and Oilseed Milling	4	0	*	0	0	4	0
311221	Wet Corn Milling	2	0	*	0	0	2	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	*	0	*	0	0	0	0
3115	Dairy Product	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	1	0	1	0	0	0	*
312	Beverage and Tobacco Products	1	0	*	0	0	1	*
3121	Beverages	1	0	*	0	0	1	*
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	*	0	0	0	0	0	*
314	Textile Product Mills	*	0	*	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	132	0	0	0	0	132	*
321113	Sawmills	52	0	0	0	0	52	*
3212	Veneer, Plywood, and Engineered Woods	46	0	0	0	0	45	*
321219	Reconstituted Wood Products	26	0	0	0	0	26	*
3219	Other Wood Products	Q	0	0	0	0	Q	*
322	Paper	964	0	W	W	667	278	5
322110	Pulp Mills	199	0	0	*	152	47	*
322121	Paper Mills, except Newsprint	235	0	*	W	171	W	0
322122	Newsprint Mills	15	0	0	0	5	10	0

322130	Paperboard Mills	515	0	W	W	340	W	5
323	Printing and Related Support	Q	0	0	0	0	0	Q
324	Petroleum and Coal Products	1,023	11	700	309	0	0	4
324110	Petroleum Refineries	987	0	698	289	0	0	0
324121	Asphalt Paving Mixture and Block	4	0	*	0	0	0	4
324122	Asphalt Shingle and Coating Materials	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	33	11	2	20	0	0	0
325	Chemicals	359	0	352	W	0	W	4
325110	Petrochemicals	140	0	140	0	0	0	*
325120	Industrial Gases	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	33	0	33	0	0	*	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	W	0	*	0	0	W	*
325199	Other Basic Organic Chemicals	132	0	130	0	0	0	2
325211	Plastics Materials and Resins	47	0	46	0	0	0	1
325212	Synthetic Rubber	*	0	0	0	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	0	*	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	0	0	0	0	*	*
325412	Pharmaceutical Preparation	*	0	0	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0	0
326	Plastics and Rubber Products	W	0	0	0	0	W	*
327	Nonmetallic Mineral Products	20	0	*	15	0	2	3
327120	Clay Building Material and Refractories	0	0	0	0	0	0	0
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0
327310	Cements	12	0	*	7	0	2	3
327410	Lime	7	0	0	7	0	0	0
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	23	18	0	*	0	4	*
331110	Iron and Steel Mills and Ferroalloys	19	18	0	*	0	1	*
3312	Steel Products from Purchased Steel	*	0	0	*	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	3	0	0	0	0	3	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	3	0	0	0	0	3	0
3315	Foundries	0	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	*	0	0	*	0	0	0
333	Machinery	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0
336	Transportation Equipment	W	0	W	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	W	0	W	0	0	0	0
3364	Aerospace Product and Parts	*	0	*	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0
337	Furniture and Related Products	2	0	0	0	0	2	*
339	Miscellaneous	0	0	0	0	0	0	0
	Total	2,532	29	1,056	337	667	426	16

West Census Region

311	Food	3	0	2	0	0	1	0
3112	Grain and Oilseed Milling	*	0	*	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	3	0	2	0	0	1	0
3115	Dairy Product	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	0	0	0
312	Beverage and Tobacco Products	*	0	*	0	0	0	0
3121	Beverages	*	0	*	0	0	0	0
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0	0

314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	45	0	0	0	0	44	1
321113	Sawmills	31	0	0	0	0	30	1
3212	Veneer, Plywood, and Engineered Woods	12	0	0	0	0	12	0
321219	Reconstituted Wood Products	3	0	0	0	0	3	0
3219	Other Wood Products	2	0	0	0	0	2	0
322	Paper	104	0	0	0	80	21	3
322110	Pulp Mills	7	0	0	0	5	1	0
322121	Paper Mills, except Newsprint	20	0	0	0	16	4	0
322122	Newsprint Mills	1	0	0	0	0	1	0
322130	Paperboard Mills	76	0	0	0	58	14	3
323	Printing and Related Support	0	0	0	0	0	0	0
324	Petroleum and Coal Products	455	0	337	118	0	*	*
324110	Petroleum Refineries	451	0	337	114	0	0	0
324121	Asphalt Paving Mixture and Block	*	0	0	0	0	0	*
324122	Asphalt Shingle and Coating Materials	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	4	0	0	4	0	*	0
325	Chemicals	12	6	6	0	0	0	*
325110	Petrochemicals	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	12	6	6	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	0	0	0	0	0	*
325211	Plastics Materials and Resins	*	0	*	0	0	0	*
325212	Synthetic Rubber	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	17	0	*	16	0	1	*
327120	Clay Building Material and Refractories	0	0	0	0	0	0	0
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	0	0	*	0
327310	Cements	15	0	*	13	0	1	*
327410	Lime	3	0	0	3	0	0	0
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	1	0	0	1	0	0	0
331110	Iron and Steel Mills and Ferroalloys	*	0	0	*	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	0	*	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	0	0	*	0	0	0
3315	Foundries	0	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0
333	Machinery	W	0	W	0	0	0	0
334	Computer and Electronic Products	*	0	0	0	0	*	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	0
336	Transportation Equipment	W	0	W	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	W	0	W	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0	0
339	Miscellaneous	0	0	0	0	0	0	0
	Total	639	6	347	134	80	67	4

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).

(b) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

(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 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 net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power.

* Estimate less than 0.5.

W=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. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'

Released: October 2017
 Next MECS will be fielded in 2019

RSE Table 3.5 Relative Standard Errors for Table 3.5;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark	Waste Oils/Tars and Waste Materials
Total United States								
311	Food	5.2	X	3.9	X	X	9.3	27.6
3112	Grain and Oilseed Milling	5.8	X	0.1	X	X	2.0	27.7
311221	Wet Corn Milling	0.0	X	0.0	X	X	0.0	X
31131	Sugar Manufacturing	0.1	X	0.1	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	2.2	X	1.6	X	X	7.4	23.8
3115	Dairy Product	0.1	X	0.1	X	X	X	X
3116	Animal Slaughtering and Processing	18.0	X	9.6	X	X	88.1	0.1
312	Beverage and Tobacco Products	2.8	X	1.8	X	X	3.3	96.9
3121	Beverages	2.8	X	1.8	X	X	3.3	96.9
3122	Tobacco	X	X	X	X	X	X	X
313	Textile Mills	93.8	X	X	X	X	X	93.8
314	Textile Product Mills	0.1	X	0.1	X	X	X	X
315	Apparel	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X
321	Wood Products	11.3	X	X	X	X	11.6	2.4
321113	Sawmills	1.3	X	X	X	X	1.4	0.5
3212	Veneer, Plywood, and Engineered Woods	1.7	X	X	X	X	1.8	2.5
321219	Reconstituted Wood Products	2.9	X	X	X	X	3.1	0.1
3219	Other Wood Products	58.4	X	X	X	X	58.6	34.7
322	Paper	0.1	X	0.1	0.1	0.1	0.1	0.1
322110	Pulp Mills	0.0	X	0.0	0.0	0.0	0.0	0.0
322121	Paper Mills, except Newsprint	0.1	X	0.1	0.1	0.1	0.1	0.1
322122	Newsprint Mills	0.0	X	X	X	0.0	0.0	X
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	91.0	X	X	X	X	99.0	92.9
324	Petroleum and Coal Products	0.1	0.1	0.1	0.1	X	0.1	25.2
324110	Petroleum Refineries	0.1	X	0.1	0.1	X	X	X
324121	Asphalt Paving Mixture and Block	26.1	X	0.1	X	X	X	26.6
324122	Asphalt Shingle and Coating Materials	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	X	0.0	X
325	Chemicals	0.4	0.1	0.4	14.1	X	5.0	0.3
325110	Petrochemicals	0.1	X	0.1	X	X	X	0.1
325120	Industrial Gases	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	0.4	0.1	0.1	X	X	58.1	0.1
325193	Ethyl Alcohol	0.1	X	0.1	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	0.0	0.0
325199	Other Basic Organic Chemicals	0.1	X	0.1	X	X	X	0.6
325211	Plastics Materials and Resins	2.6	X	2.7	X	X	X	0.1
325212	Synthetic Rubber	0.0	X	X	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.1	X	0.1	X	X	0.1	0.1
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	0.1	X	X	X	X	0.1	0.1
325412	Pharmaceutical Preparation	0.1	X	X	X	X	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0	X	X	X	X
326	Plastics and Rubber Products	87.4	X	X	X	X	89.0	76.1
327	Nonmetallic Mineral Products	0.5	X	0.1	0.1	X	7.3	0.2
327120	Clay Building Material and Refractories	39.9	X	X	X	X	40.4	0.1
327211	Flat Glass	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X
327213	Glass Containers	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	16.2	X	X	X	X	93.9	0.1
327310	Cements	0.1	X	0.1	0.1	X	0.1	0.2
327410	Lime	0.0	X	0.0	0.0	X	X	0.0
327420	Gypsum	X	X	X	X	X	X	X
327993	Mineral Wool	57.4	X	X	X	X	57.4	X
331	Primary Metals	0.1	0.1	0.1	0.1	X	0.1	2.2
331110	Iron and Steel Mills and Ferroalloys	0.1	0.1	0.1	0.1	X	0.1	0.1
3312	Steel Products from Purchased Steel	0.1	X	X	0.1	X	X	0.1
3313	Alumina and Aluminum	0.1	X	X	0.1	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.1	X	X	X	X	X	0.1

3314	Nonferrous Metals, except Aluminum	0.1	X	X	0.1	X	0.1	41.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	X	X	0.0	X	0.1	0.1
3315	Foundries	0.1	X	0.1	X	X	X	X
331511	Iron Foundries	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	X
332	Fabricated Metal Products	91.0	X	X	91.0	X	X	X
333	Machinery	87.9	X	92.0	X	X	X	62.6
334	Computer and Electronic Products	99.0	X	X	X	X	99.0	X
334413	Semiconductors and Related Devices	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	89.1	X	92.5	X	X	X	0.1
336	Transportation Equipment	18.7	X	18.8	X	X	X	38.7
336111	Automobiles	0.0	X	0.0	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	X	X	X
3364	Aerospace Product and Parts	33.4	X	33.4	X	X	X	X
336411	Aircraft	X	X	X	X	X	X	X
337	Furniture and Related Products	42.0	X	X	X	X	32.8	93.7
339	Miscellaneous	X	X	X	X	X	X	X
	Total	0.7	0.1	0.1	0.1	0.1	4.5	4.3

Northeast Census Region

311	Food	15.0	X	0.1	X	X	92.6	0.1
3112	Grain and Oilseed Milling	X	X	X	X	X	X	X
311221	Wet Corn Milling	X	X	X	X	X	X	X
31131	Sugar Manufacturing	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	73.7	X	0.1	X	X	92.6	0.1
3115	Dairy Product	0.1	X	0.1	X	X	X	X
3116	Animal Slaughtering and Processing	0.1	X	0.1	X	X	X	X
312	Beverage and Tobacco Products	52.5	X	52.5	X	X	X	X
3121	Beverages	52.5	X	52.5	X	X	X	X
3122	Tobacco	X	X	X	X	X	X	X
313	Textile Mills	X	X	X	X	X	X	X
314	Textile Product Mills	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X
321	Wood Products	5.4	X	X	X	X	6.0	0.1
321113	Sawmills	2.3	X	X	X	X	2.3	78.6
3212	Veneer, Plywood, and Engineered Woods	0.1	X	X	X	X	0.1	0.1
321219	Reconstituted Wood Products	0.1	X	X	X	X	0.1	0.1
3219	Other Wood Products	44.3	X	X	X	X	44.3	X
322	Paper	0.1	X	0.1	0.1	0.1	0.1	0.1
322110	Pulp Mills	0.0	X	X	X	0.0	0.0	X
322121	Paper Mills, except Newsprint	0.0	X	0.0	0.0	0.0	0.0	0.0
322122	Newsprint Mills	X	X	X	X	X	X	X
322130	Paperboard Mills	X	X	X	X	X	X	X
323	Printing and Related Support	X	X	X	X	X	X	X
324	Petroleum and Coal Products	0.1	X	0.1	0.1	X	X	1.2
324110	Petroleum Refineries	0.0	X	0.0	0.0	X	X	X
324121	Asphalt Paving Mixture and Block	1.2	X	X	X	X	X	1.2
324122	Asphalt Shingle and Coating Materials	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X
325	Chemicals	0.1	X	0.1	X	X	0.1	0.1
325110	Petrochemicals	X	X	X	X	X	X	X
325120	Industrial Gases	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	X	X	X	X	X	X	X
325193	Ethyl Alcohol	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	0.1	X	0.0	X	X	X	0.1
325211	Plastics Materials and Resins	0.1	X	0.1	X	X	X	0.1
325212	Synthetic Rubber	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	X	X	X	X	0.0	0.0
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	X	X	X	X	X	X	X
325412	Pharmaceutical Preparation	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X	X	X	X	X
326	Plastics and Rubber Products	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	0.1	X	0.1	0.1	X	X	X
327120	Clay Building Material and Refractories	X	X	X	X	X	X	X
327211	Flat Glass	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X
327213	Glass Containers	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	X	X	X	X	X	X	X

327310	Cements	0.0	X	X	0.0	X	X	X
327410	Lime	0.0	X	0.0	0.0	X	X	X
327420	Gypsum	X	X	X	X	X	X	X
327993	Mineral Wool	X	X	X	X	X	X	X
331	Primary Metals	0.1	0.1	0.1	X	X	0.1	5.0
331110	Iron and Steel Mills and Ferroalloys	0.1	0.1	0.1	X	X	0.1	X
3312	Steel Products from Purchased Steel	0.1	X	X	X	X	X	0.1
3313	Alumina and Aluminum	0.0	X	X	X	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	X	X	X	X	X	0.0
3314	Nonferrous Metals, except Aluminum	68.1	X	X	X	X	X	68.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X	X	X	X	X
3315	Foundries	X	X	X	X	X	X	X
331511	Iron Foundries	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	X
332	Fabricated Metal Products	X	X	X	X	X	X	X
333	Machinery	80.8	X	X	X	X	X	80.8
334	Computer and Electronic Products	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	0.1	X	X	X	X	X	0.1
336	Transportation Equipment	X	X	X	X	X	X	X
336111	Automobiles	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	X	X	X	X	X	X	X
336411	Aircraft	X	X	X	X	X	X	X
337	Furniture and Related Products	94.5	X	X	X	X	X	94.5
339	Miscellaneous	X	X	X	X	X	X	X
	Total	0.9	0.1	0.1	0.1	0.1	3.5	16.1

Midwest Census Region

311	Food	16.4	X	2.1	X	X	72.0	27.6
3112	Grain and Oilseed Milling	23.9	X	0.1	X	X	61.9	27.7
311221	Wet Corn Milling	0.0	X	0.0	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	16.8	X	17.0	X	X	96.3	66.3
3115	Dairy Product	0.0	X	0.0	X	X	X	X
3116	Animal Slaughtering and Processing	32.6	X	2.3	X	X	88.1	X
312	Beverage and Tobacco Products	X	X	X	X	X	X	X
3121	Beverages	X	X	X	X	X	X	X
3122	Tobacco	X	X	X	X	X	X	X
313	Textile Mills	X	X	X	X	X	X	X
314	Textile Product Mills	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X
321	Wood Products	17.1	X	X	X	X	17.6	27.4
321113	Sawmills	0.7	X	X	X	X	0.7	2.5
3212	Veneer, Plywood, and Engineered Woods	2.2	X	X	X	X	0.1	57.8
321219	Reconstituted Wood Products	0.1	X	X	X	X	0.1	0.1
3219	Other Wood Products	50.6	X	X	X	X	51.5	1.4
322	Paper	0.1	X	0.1	0.1	0.1	0.1	0.1
322110	Pulp Mills	0.0	X	0.0	X	X	X	X
322121	Paper Mills, except Newsprint	0.1	X	0.1	0.1	0.1	0.1	0.1
322122	Newsprint Mills	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	X	0.0	0.0	0.0
323	Printing and Related Support	99.0	X	X	X	X	99.0	99.0
324	Petroleum and Coal Products	0.1	0.1	0.1	0.1	X	X	26.8
324110	Petroleum Refineries	0.1	X	0.1	0.1	X	X	X
324121	Asphalt Paving Mixture and Block	48.1	X	X	X	X	X	48.1
324122	Asphalt Shingle and Coating Materials	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	X	X	X	X	X
325	Chemicals	1.1	X	0.1	45.3	X	0.1	0.1
325110	Petrochemicals	X	X	X	X	X	X	X
325120	Industrial Gases	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	0.1	X	0.1	X	X	0.1	0.1
325193	Ethyl Alcohol	0.1	X	0.1	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	X	X	0.0	X
325199	Other Basic Organic Chemicals	0.1	X	0.1	X	X	X	0.1
325211	Plastics Materials and Resins	0.1	X	0.1	X	X	X	0.1
325212	Synthetic Rubber	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.1	X	0.1	X	X	X	X

325312	Phosphatic Fertilizers	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	X	X	X	X	X	X	X
325412	Pharmaceutical Preparation	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X	X	X	X	X
326	Plastics and Rubber Products	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	1.3	X	0.1	0.1	X	50.3	0.1
327120	Clay Building Material and Refractories	39.9	X	X	X	X	40.4	0.1
327211	Flat Glass	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X
327213	Glass Containers	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	0.1	X	X	X	X	X	0.1
327310	Cements	0.1	X	X	0.0	X	0.1	0.0
327410	Lime	0.0	X	0.0	0.0	X	X	0.0
327420	Gypsum	X	X	X	X	X	X	X
327993	Mineral Wool	57.4	X	X	X	X	57.4	X
331	Primary Metals	0.1	0.1	0.1	0.1	X	0.1	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	X	0.0	X
3312	Steel Products from Purchased Steel	X	X	X	X	X	X	X
3313	Alumina and Aluminum	0.1	X	X	0.1	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	0.1	X	X	X	X	X	0.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	X	X	0.0
3315	Foundries	0.1	X	0.1	X	X	X	X
331511	Iron Foundries	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	X
332	Fabricated Metal Products	X	X	X	X	X	X	X
333	Machinery	96.8	X	X	X	X	X	96.8
334	Computer and Electronic Products	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	X	X	X	X	X	X	X
336	Transportation Equipment	18.5	X	18.7	X	X	X	38.7
336111	Automobiles	0.0	X	0.0	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	X	X	X
3364	Aerospace Product and Parts	0.1	X	0.1	X	X	X	X
336411	Aircraft	X	X	X	X	X	X	X
337	Furniture and Related Products	54.0	X	X	X	X	54.0	X
339	Miscellaneous	X	X	X	X	X	X	X
	Total	0.4	0.1	0.1	0.1	0.1	6.7	2.4

South Census Region

311	Food	4.3	X	15.1	X	X	0.1	0.1
3112	Grain and Oilseed Milling	0.1	X	0.1	X	X	0.1	X
311221	Wet Corn Milling	0.0	X	0.0	X	X	0.0	X
31131	Sugar Manufacturing	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	0.1	X	0.1	X	X	X	X
3115	Dairy Product	X	X	X	X	X	X	X
3116	Animal Slaughtering and Processing	25.3	X	25.3	X	X	X	0.1
312	Beverage and Tobacco Products	3.0	X	0.1	X	X	3.3	96.9
3121	Beverages	3.0	X	0.1	X	X	3.3	96.9
3122	Tobacco	X	X	X	X	X	X	X
313	Textile Mills	93.8	X	X	X	X	X	93.8
314	Textile Product Mills	0.1	X	0.1	X	X	X	X
315	Apparel	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X
321	Wood Products	20.4	X	X	X	X	20.5	21.3
321113	Sawmills	2.2	X	X	X	X	2.2	0.8
3212	Veneer, Plywood, and Engineered Woods	3.7	X	X	X	X	3.7	5.7
321219	Reconstituted Wood Products	6.3	X	X	X	X	6.3	0.1
3219	Other Wood Products	81.4	X	X	X	X	81.5	86.4
322	Paper	0.1	X	0.1	0.1	0.1	0.1	0.1
322110	Pulp Mills	0.0	X	X	0.0	0.0	0.0	0.0
322121	Paper Mills, except Newsprint	0.0	X	0.0	0.0	0.0	0.0	X
322122	Newsprint Mills	0.0	X	X	X	0.0	0.0	X
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	93.2	X	X	X	X	X	93.2
324	Petroleum and Coal Products	0.1	0.1	0.1	0.1	X	X	29.7
324110	Petroleum Refineries	0.0	X	0.0	0.0	X	X	X
324121	Asphalt Paving Mixture and Block	29.2	X	0.1	X	X	X	29.7
324122	Asphalt Shingle and Coating Materials	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	X	X	X

325	Chemicals	0.4	X	0.4	14.8	X	7.6	0.1
325110	Petrochemicals	0.0	X	0.0	X	X	X	0.0
325120	Industrial Gases	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	0.6	X	0.1	X	X	63.5	X
325193	Ethyl Alcohol	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	0.0	0.0
325199	Other Basic Organic Chemicals	0.1	X	0.1	X	X	X	0.1
325211	Plastics Materials and Resins	2.9	X	2.9	X	X	X	0.1
325212	Synthetic Rubber	0.0	X	X	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0	X	X	X	X
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	0.1	X	X	X	X	0.1	0.1
325412	Pharmaceutical Preparation	0.1	X	X	X	X	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0	X	X	X	X
326	Plastics and Rubber Products	87.4	X	X	X	X	89.0	76.1
327	Nonmetallic Mineral Products	0.1	X	0.1	0.2	X	0.1	0.6
327120	Clay Building Material and Refractories	X	X	X	X	X	X	X
327211	Flat Glass	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X
327213	Glass Containers	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	X	X	X	X	X	X	X
327310	Cements	0.2	X	0.1	0.3	X	0.1	0.6
327410	Lime	0.0	X	X	0.0	X	X	X
327420	Gypsum	X	X	X	X	X	X	X
327993	Mineral Wool	X	X	X	X	X	X	X
331	Primary Metals	0.1	0.1	X	0.1	X	0.1	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	X	0.0	0.0
3312	Steel Products from Purchased Steel	0.1	X	X	0.1	X	X	X
3313	Alumina and Aluminum	X	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	0.1	X	X	X	X	0.1	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	X	0.0	X
3315	Foundries	X	X	X	X	X	X	X
331511	Iron Foundries	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	X
332	Fabricated Metal Products	91.0	X	X	91.0	X	X	X
333	Machinery	X	X	X	X	X	X	X
334	Computer and Electronic Products	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	X	X	X	X	X	X	X
336	Transportation Equipment	0.1	X	0.1	X	X	X	X
336111	Automobiles	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	X	X	X
3364	Aerospace Product and Parts	0.1	X	0.1	X	X	X	X
336411	Aircraft	X	X	X	X	X	X	X
337	Furniture and Related Products	35.9	X	X	X	X	35.9	43.3
339	Miscellaneous	X	X	X	X	X	X	X
	Total	1.1	0.1	0.1	0.1	0.1	6.4	7.4

West Census Region

311	Food	0.1	X	0.1	X	X	0.1	X
3112	Grain and Oilseed Milling	0.1	X	0.1	X	X	X	X
311221	Wet Corn Milling	X	X	X	X	X	X	X
31131	Sugar Manufacturing	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	0.1	X	0.1	X	X	0.1	X
3115	Dairy Product	X	X	X	X	X	X	X
3116	Animal Slaughtering and Processing	0.1	X	0.1	X	X	X	X
312	Beverage and Tobacco Products	0.1	X	0.1	X	X	X	X
3121	Beverages	0.1	X	0.1	X	X	X	X
3122	Tobacco	X	X	X	X	X	X	X
313	Textile Mills	X	X	X	X	X	X	X
314	Textile Product Mills	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X
321	Wood Products	2.0	X	X	X	X	2.0	0.1
321113	Sawmills	1.6	X	X	X	X	1.7	0.1
3212	Veneer, Plywood, and Engineered Woods	2.0	X	X	X	X	2.0	X
321219	Reconstituted Wood Products	0.0	X	X	X	X	0.0	X
3219	Other Wood Products	29.9	X	X	X	X	29.9	X

322	Paper	0.1	X	X	X	0.1	0.1	0.1
322110	Pulp Mills	0.0	X	X	X	0.0	0.0	X
322121	Paper Mills, except Newsprint	0.0	X	X	X	0.0	0.0	X
322122	Newsprint Mills	0.0	X	X	X	X	0.0	X
322130	Paperboard Mills	0.0	X	X	X	0.0	0.0	0.0
323	Printing and Related Support	X	X	X	X	X	X	X
324	Petroleum and Coal Products	0.1	X	0.1	0.1	X	0.1	0.1
324110	Petroleum Refineries	0.1	X	0.1	0.1	X	X	X
324121	Asphalt Paving Mixture and Block	0.1	X	X	X	X	X	0.1
324122	Asphalt Shingle and Coating Materials	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	X	X	0.0	X	0.0	X
325	Chemicals	0.1	0.1	0.1	X	X	X	11.8
325110	Petrochemicals	X	X	X	X	X	X	X
325120	Industrial Gases	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	0.1	0.1	0.1	X	X	X	X
325193	Ethyl Alcohol	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	75.3	X	X	X	X	X	75.3
325211	Plastics Materials and Resins	0.0	X	0.1	X	X	X	0.0
325212	Synthetic Rubber	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	X	X	X	X	X	X	X
325412	Pharmaceutical Preparation	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X	X	X	X	X
326	Plastics and Rubber Products	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	0.1	X	0.1	0.1	X	0.1	1.5
327120	Clay Building Material and Refractories	X	X	X	X	X	X	X
327211	Flat Glass	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X
327213	Glass Containers	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	93.9	X	X	X	X	93.9	X
327310	Cements	0.0	X	0.0	0.0	X	0.0	0.0
327410	Lime	0.0	X	X	0.0	X	X	X
327420	Gypsum	X	X	X	X	X	X	X
327993	Mineral Wool	X	X	X	X	X	X	X
331	Primary Metals	0.1	X	X	0.1	X	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	X	X	0.0	X	X	X
3312	Steel Products from Purchased Steel	X	X	X	X	X	X	X
3313	Alumina and Aluminum	X	X	X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	0.1	X	X	0.1	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	0.0	X	X	X
3315	Foundries	X	X	X	X	X	X	X
331511	Iron Foundries	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	X
332	Fabricated Metal Products	X	X	X	X	X	X	X
333	Machinery	92.0	X	92.0	X	X	X	X
334	Computer and Electronic Products	99.0	X	X	X	X	99.0	X
334413	Semiconductors and Related Devices	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	92.5	X	92.5	X	X	X	X
336	Transportation Equipment	47.2	X	47.2	X	X	X	X
336111	Automobiles	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	47.2	X	47.2	X	X	X	X
336411	Aircraft	X	X	X	X	X	X	X
337	Furniture and Related Products	X	X	X	X	X	X	X
339	Miscellaneous	X	X	X	X	X	X	X
	Total	0.2	0.1	0.3	0.1	0.1	1.3	0.4

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).

(b) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

(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 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 net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
X=Not defined because RSE corresponds to a value of zero.
-- Estimation is not applicable. Energy source is not included in series.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'