

Released: October 2017  
 Next MECS will be fielded in 2019

**Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2014;**

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

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	HGL (excluding natural gasoline)(d)	Coal	Coke and Breeze	Other(e)
<b>Total United States</b>									
311	Food	4	0	1	2	*	0	0	Q
3112	Grain and Oilseed Milling	3	0	*	1	0	0	0	Q
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	*	0	0	*	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Food	1	0	1	*	0	0	0	*
3115	Dairy Product	1	0	0	1	*	0	0	*
3116	Animal Slaughtering and Processing	*	0	*	*	0	0	0	*
312	Beverage and Tobacco Products	*	0	*	*	0	0	0	*
3121	Beverages	*	0	*	*	0	0	0	*
3122	Tobacco	*	0	*	0	0	0	0	*
313	Textile Mills	*	0	0	*	*	0	0	*
314	Textile Product Mills	*	0	0	*	0	0	0	*
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	*	0	0	*	0	0	0
321	Wood Products	2	*	2	*	*	0	0	*
321113	Sawmills	*	0	*	*	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	*	*	*	0	0	*
321219	Reconstituted Wood Products	*	*	*	0	0	0	0	*
3219	Other Wood Products	*	0	*	*	*	0	0	*
322	Paper	1	0	*	*	*	0	0	*
322110	Pulp Mills	*	0	0	0	0	0	0	*
322121	Paper Mills, except Newsprint	*	0	0	*	0	0	0	*
322122	Newsprint Mills	*	0	0	0	0	0	0	*
322130	Paperboard Mills	*	0	*	0	*	0	0	*
323	Printing and Related Support	*	0	*	*	*	0	0	*
324	Petroleum and Coal Products	W	0	1	1	*	W	W	544
324110	Petroleum Refineries	0	0	0	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	373	0	*	*	*	0	0	372
324122	Asphalt Shingle and Coating Materials	153	0	*	0	*	Q	0	152
324199	Other Petroleum and Coal Products	W	0	*	*	0	W	W	19
325	Chemicals	W	59	4	494	2,361	12	6	W
325110	Petrochemicals	998	W	*	*	922	0	0	W
325120	Industrial Gases	87	0	0	87	*	0	0	*
325180	Other Basic Inorganic Chemicals	W	W	*	10	1	*	6	W
325193	Ethyl Alcohol	1	0	0	1	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	1	0	0	1	0	0	0	*
325199	Other Basic Organic Chemicals	843	*	4	111	554	12	0	162
325211	Plastics Materials and Resins	1,306	0	*	48	872	0	0	386
325212	Synthetic Rubber	*	0	*	*	0	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	0	0	*	0	0	0	*
325311	Nitrogenous Fertilizers	W	0	*	225	0	0	0	W
325312	Phosphatic Fertilizers	*	0	0	*	0	0	0	*
3254	Pharmaceuticals and Medicines	1	0	0	*	*	0	0	*
325412	Pharmaceutical Preparation	*	0	0	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	*	*	0	0	*
326	Plastics and Rubber Products	Q	0	0	Q	*	0	0	*
327	Nonmetallic Mineral Products	W	*	Q	*	*	*	0	W
327120	Clay Building Material and Refractories	*	0	*	*	*	*	0	*
327211	Flat Glass	*	0	*	*	*	*	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*	*	0	0	*
327213	Glass Containers	*	0	0	0	*	0	0	*
327215	Glass Products from Purchased Glass	*	0	*	*	*	0	0	*
327310	Cements	3	0	0	*	*	0	0	3
327410	Lime	*	0	0	0	*	0	0	*
327420	Gypsum	*	0	0	0	0	0	0	*
327993	Mineral Wool	*	*	*	*	*	0	0	*



325220	Artificial and Synthetic Fibers and Filaments	*	0	0	0	0	0	0	*
325311	Nitrogenous Fertilizers	*	0	0	*	0	0	0	*
325312	Phosphatic Fertilizers	0	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	*	0	0	0	*	0	0	*
327	Nonmetallic Mineral Products	2	0	*	*	*	*	0	2
327120	Clay Building Material and Refractories	*	0	*	*	*	0	0	0
327211	Flat Glass	*	0	0	0	0	*	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*	0	0	0	*
327213	Glass Containers	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	*	0	0	0	*
327310	Cements	2	0	0	0	*	0	0	2
327410	Lime	*	0	0	0	*	0	0	0
327420	Gypsum	0	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0	0
331	Primary Metals	149	0	*	1	*	137	2	9
331110	Iron and Steel Mills and Ferroalloys	138	0	*	*	0	137	*	*
3312	Steel Products from Purchased Steel	*	0	0	*	*	0	0	*
3313	Alumina and Aluminum	4	0	0	*	*	0	0	4
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	*	0	0	*	*	0	0	*
3314	Nonferrous Metals, except Aluminum	8	0	0	*	0	*	2	5
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1	0	0	0	0	0	1	0
3315	Foundries	*	0	0	*	*	*	*	*
331511	Iron Foundries	*	0	0	*	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	*	0	0	0	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	0	0	0	*
332	Fabricated Metal Products	*	0	0	0	0	0	0	*
333	Machinery	Q	0	0	Q	0	0	0	*
334	Computer and Electronic Products	*	0	0	*	0	0	0	*
334413	Semiconductors and Related Devices	*	0	0	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	Q	0	0	0	0	0	*	Q
336	Transportation Equipment	*	0	0	0	*	*	0	*
336111	Automobiles	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	0	0	0	*	0	0	*
336411	Aircraft	*	0	0	0	0	0	0	*
337	Furniture and Related Products	*	0	0	0	*	0	0	0
339	Miscellaneous	*	0	0	*	0	0	0	0
	Total	321	0	*	4	76	137	3	100

**Midwest Census Region**

311	Food	3	0	0	1	0	0	0	Q
3112	Grain and Oilseed Milling	2	0	0	1	0	0	0	Q
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	*	0	0	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Food	0	0	0	0	0	0	0	0
3115	Dairy Product	1	0	0	1	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	0
313	Textile Mills	*	0	0	0	0	0	0	*
314	Textile Product Mills	0	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0	0
321	Wood Products	*	0	*	*	*	0	0	*
321113	Sawmills	*	0	*	*	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	*	*	0	0	0	0
321219	Reconstituted Wood Products	*	0	*	0	0	0	0	0
3219	Other Wood Products	*	0	0	*	*	0	0	*
322	Paper	*	0	0	0	*	0	0	*
322110	Pulp Mills	0	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	0	0	0	0	0	0	*
322122	Newsprint Mills	0	0	0	0	0	0	0	0
322130	Paperboard Mills	*	0	0	0	*	0	0	*

323	Printing and Related Support	*	0	*	0	0	0	0	*
324	Petroleum and Coal Products	W	0	*	*	*	W	W	121
324110	Petroleum Refineries	0	0	0	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	74	0	*	*	0	0	0	74
324122	Asphalt Shingle and Coating Materials	46	0	0	0	0	0	0	46
324199	Other Petroleum and Coal Products	W	0	*	0	0	W	W	0
325	Chemicals	W	3	*	54	131	0	0	W
325110	Petrochemicals	0	0	0	0	0	0	0	0
325120	Industrial Gases	3	0	0	3	0	0	0	*
325180	Other Basic Inorganic Chemicals	W	3	*	0	0	0	0	W
325193	Ethyl Alcohol	*	0	0	0	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	14	0	0	*	14	0	0	*
325211	Plastics Materials and Resins	107	0	0	*	107	0	0	*
325212	Synthetic Rubber	*	0	0	0	0	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	W	0	0	43	0	0	0	W
325312	Phosphatic Fertilizers	*	0	0	*	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	0	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	0	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	*	0	0	0	0
326	Plastics and Rubber Products	*	0	0	*	0	0	0	*
327	Nonmetallic Mineral Products	W	*	*	*	*	*	0	W
327120	Clay Building Material and Refractories	*	0	*	0	*	*	0	*
327211	Flat Glass	*	0	*	*	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	*	*	*	0	0	*
327310	Cements	2	0	0	*	*	0	0	2
327410	Lime	0	0	0	0	0	0	0	0
327420	Gypsum	*	0	0	0	0	0	0	*
327993	Mineral Wool	*	*	0	*	0	0	0	*
331	Primary Metals	W	0	*	19	*	W	W	1
331110	Iron and Steel Mills and Ferroalloys	W	0	*	17	0	W	W	1
3312	Steel Products from Purchased Steel	*	0	0	*	*	*	0	*
3313	Alumina and Aluminum	1	0	0	1	0	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	*	0	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	0	*	0	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	1	0	0	1	0	0	0	*
3314	Nonferrous Metals, except Aluminum	2	0	0	*	0	0	1	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	0	0	0	0	0	0	*
3315	Foundries	2	0	0	*	*	1	*	*
331511	Iron Foundries	1	0	0	*	0	1	*	*
331523	Nonferrous Metal Die-Casting Foundries	*	0	0	0	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	*	0	0	*
332	Fabricated Metal Products	Q	0	0	Q	*	*	0	*
333	Machinery	*	*	*	*	*	0	0	*
334	Computer and Electronic Products	*	0	*	0	0	0	0	*
334413	Semiconductors and Related Devices	*	0	*	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	*	0	0	*	0	0	0	*
336	Transportation Equipment	2	0	0	Q	*	0	0	*
336111	Automobiles	*	0	0	*	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	0	0	0	*	0	0	0
3364	Aerospace Product and Parts	*	0	0	*	*	0	0	*
336411	Aircraft	*	0	0	0	*	0	0	*
337	Furniture and Related Products	*	0	0	0	0	0	0	*
339	Miscellaneous	*	0	0	0	0	0	0	*
	Total	666	3	1	80	131	237	71	143

**South Census Region**

311	Food	1	0	*	*	0	0	0	*
3112	Grain and Oilseed Milling	*	0	*	*	0	0	0	*
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	*	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	*
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	0	*

3122	Tobacco	*	0	*	0	0	0	0	*
313	Textile Mills	*	0	0	*	*	0	0	*
314	Textile Product Mills	*	0	0	*	0	0	0	*
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	*	0	0	*	0	0	0
321	Wood Products	1	*	1	*	*	0	0	*
321113	Sawmills	*	0	0	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	0	0	0	0	0	*
321219	Reconstituted Wood Products	*	*	0	0	0	0	0	*
3219	Other Wood Products	*	0	*	0	*	0	0	*
322	Paper	*	0	*	0	0	0	0	*
322110	Pulp Mills	*	0	0	0	0	0	0	*
322121	Paper Mills, except Newsprint	*	0	0	0	0	0	0	*
322122	Newsprint Mills	*	0	0	0	0	0	0	*
322130	Paperboard Mills	*	0	*	0	0	0	0	*
323	Printing and Related Support	*	0	*	0	0	0	0	*
324	Petroleum and Coal Products	310	0	*	*	*	65	1	245
324110	Petroleum Refineries	0	0	0	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	150	0	*	*	*	0	0	150
324122	Asphalt Shingle and Coating Materials	76	0	*	0	*	Q	0	75
324199	Other Petroleum and Coal Products	85	0	*	0	0	64	1	19
325	Chemicals	3,272	55	4	429	2,155	12	0	617
325110	Petrochemicals	998	W	*	*	922	0	0	W
325120	Industrial Gases	82	0	0	82	*	0	0	*
325180	Other Basic Inorganic Chemicals	52	W	*	9	1	*	0	W
325193	Ethyl Alcohol	*	0	0	0	*	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	1	0	0	1	0	0	0	*
325199	Other Basic Organic Chemicals	828	*	4	110	540	12	0	161
325211	Plastics Materials and Resins	1,124	0	*	48	691	0	0	386
325212	Synthetic Rubber	*	0	*	*	0	0	0	*
325220	Artificial and Synthetic Fibers and Filaments	*	0	0	*	0	0	0	*
325311	Nitrogenous Fertilizers	176	0	0	176	0	0	0	*
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	0	0	*	0	0	0	*
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	0	0	0	0	*
326	Plastics and Rubber Products	Q	0	0	Q	*	0	0	*
327	Nonmetallic Mineral Products	*	0	*	*	*	*	0	*
327120	Clay Building Material and Refractories	*	0	*	*	*	0	0	*
327211	Flat Glass	*	0	0	0	0	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	0	*	0	0	0
327213	Glass Containers	*	0	0	0	*	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	0	0	0	0	*
327310	Cements	*	0	0	*	0	0	0	*
327410	Lime	*	0	0	0	0	0	0	*
327420	Gypsum	0	0	0	0	0	0	0	0
327993	Mineral Wool	*	0	0	0	*	0	0	*
331	Primary Metals	65	*	*	26	*	33	1	5
331110	Iron and Steel Mills and Ferroalloys	54	0	*	24	0	29	1	*
3312	Steel Products from Purchased Steel	1	0	0	1	0	*	0	*
3313	Alumina and Aluminum	6	*	*	1	*	0	0	5
331314	Secondary Smelting and Alloying of Aluminum	*	0	*	*	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	*	0	0	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	*	*	0	*	*	0	0	*
3314	Nonferrous Metals, except Aluminum	4	0	0	*	0	4	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	4	0	0	0	0	4	0	0
3315	Foundries	*	0	*	*	*	*	0	*
331511	Iron Foundries	*	0	0	0	0	*	0	*
331523	Nonferrous Metal Die-Casting Foundries	*	0	*	0	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	0	0	0	0
332	Fabricated Metal Products	Q	0	0	*	*	0	0	Q
333	Machinery	*	0	*	0	0	0	0	*
334	Computer and Electronic Products	*	0	0	0	0	0	0	*
334413	Semiconductors and Related Devices	*	0	0	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	*	0	0	0	0	0	0	*
336	Transportation Equipment	Q	0	0	Q	*	0	0	Q
336111	Automobiles	*	0	0	0	0	0	0	*
336112	Light Trucks and Utility Vehicles	*	0	0	*	*	0	0	*
3364	Aerospace Product and Parts	Q	0	0	0	*	0	0	Q

336411	Aircraft	0	0	0	0	0	0	0	0
337	Furniture and Related Products	*	0	0	0	*	0	0	0
339	Miscellaneous	*	0	0	*	0	0	0	*
	Total	3,657	55	6	459	2,155	110	1	872

**West Census Region**

311	Food	1	0	1	*	0	0	0	*
3112	Grain and Oilseed Milling	*	0	0	0	0	0	0	*
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	1	0	1	*	0	0	0	*
3115	Dairy Product	*	0	0	0	0	0	0	*
3116	Animal Slaughtering and Processing	*	0	*	*	0	0	0	*
312	Beverage and Tobacco Products	*	0	*	*	0	0	0	*
3121	Beverages	*	0	*	*	0	0	0	*
3122	Tobacco	0	0	0	0	0	0	0	0
313	Textile Mills	*	0	0	0	0	0	0	*
314	Textile Product Mills	*	0	0	*	0	0	0	0
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0	0
321	Wood Products	*	0	*	0	*	0	0	*
321113	Sawmills	*	0	*	0	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	0	0	0	0	0	*
321219	Reconstituted Wood Products	*	0	0	0	0	0	0	*
3219	Other Wood Products	*	0	0	0	0	0	0	*
322	Paper	*	0	0	0	0	0	0	*
322110	Pulp Mills	0	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	0	0	0	0	0	0	*
322122	Newsprint Mills	0	0	0	0	0	0	0	0
322130	Paperboard Mills	*	0	0	0	0	0	0	*
323	Printing and Related Support	*	0	0	*	0	0	0	*
324	Petroleum and Coal Products	93	0	*	*	0	0	0	93
324110	Petroleum Refineries	0	0	0	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	71	0	*	0	0	0	0	70
324122	Asphalt Shingle and Coating Materials	22	0	0	0	0	0	0	22
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0
325	Chemicals	17	0	*	9	*	0	6	1
325110	Petrochemicals	0	0	0	0	0	0	0	0
325120	Industrial Gases	1	0	0	1	0	0	0	*
325180	Other Basic Inorganic Chemicals	8	0	0	1	0	0	6	1
325193	Ethyl Alcohol	1	0	0	1	*	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	*	0	0	0	0	0	0	*
325199	Other Basic Organic Chemicals	*	0	0	*	*	0	0	*
325211	Plastics Materials and Resins	*	0	0	*	0	0	0	*
325212	Synthetic Rubber	0	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	0	0	0	0	0	0	*
325311	Nitrogenous Fertilizers	7	0	*	6	0	0	0	*
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	0	0	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	0	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	0	*	0	0	0
326	Plastics and Rubber Products	Q	0	0	Q	*	0	0	*
327	Nonmetallic Mineral Products	Q	0	Q	*	*	0	0	*
327120	Clay Building Material and Refractories	*	0	*	0	0	0	0	*
327211	Flat Glass	*	0	0	0	0	0	0	*
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0
327213	Glass Containers	*	0	0	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	0	0	0	0	0	*
327310	Cements	*	0	0	*	0	0	0	*
327410	Lime	*	0	0	0	*	0	0	0
327420	Gypsum	*	0	0	0	0	0	0	*
327993	Mineral Wool	*	0	*	0	0	0	0	0
331	Primary Metals	*	0	0	*	*	0	*	*
331110	Iron and Steel Mills and Ferroalloys	*	0	0	0	0	0	0	*
3312	Steel Products from Purchased Steel	*	0	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
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	*	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	0	*
3315	Foundries	*	0	0	*	*	0	0	*
331511	Iron Foundries	*	0	0	*	*	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	*	0	0	*	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	0	0	0	*
332	Fabricated Metal Products	*	0	0	0	0	0	0	*
333	Machinery	Q	0	0	Q	*	0	0	*
334	Computer and Electronic Products	*	0	0	*	0	0	0	*
334413	Semiconductors and Related Devices	*	0	0	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	*	0	0	0	0	0	0	*
336	Transportation Equipment	1	0	0	*	*	0	0	*
336111	Automobiles	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	1	0	0	*	*	0	0	*
336411	Aircraft	*	0	0	0	0	0	0	*
337	Furniture and Related Products	*	0	0	0	*	0	0	0
339	Miscellaneous	*	0	0	*	0	0	0	*
	Total		115	0	1	12	1	0	6
									94

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

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

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

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

(e) 'Other' 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 or as feedstock/raw material inputs. See also Footnote 'f'.

(f) Previously, the Manufacturing Energy Consumption Survey (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, "Feedstock and Offsite-Produced Fuel at Petroleum Refineries"). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the 'Other' column. However, other 'Miscellaneous Nonfuel Products' (i.e. lubricants, solvents, waxes, and special naphthas) from refineries, and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the 'Miscellaneous Nonfuel Products' used in manufacturing was derived using EIA's "U.S. Product Supplied for Crude Oil and Petroleum Products" data. The 'Miscellaneous Nonfuel Products' are shown as a separate row under the 'Subtotal' for the 'Total United States' and this row is not allocated regionally. Therefore, the sum of the regional totals will equal the United States subtotal in the previous row. Because of the changes made to the 2014 MECS, the quantity in 'Other' for the petroleum refineries in Tables 1 and 2 is now less than it would otherwise be using the previous method. Similarly, the quantities in 'Other' for Chemicals (NAICS 325 and certain subindustries) and the asphalt industries (NAICS 324121 and 324122) are now larger than they would otherwise be under the previous method. The 2014 "Feedstock and Offsite-Produced Fuel at Petroleum Refineries" data may be found on EIA's website:

[https://www.eia.gov/dnav/pet/pet\\_cons\\_psup\\_dc\\_nus\\_mbb1\\_a.htm](https://www.eia.gov/dnav/pet/pet_cons_psup_dc_nus_mbb1_a.htm)

\* 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 derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstocks or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; wood chips, bark, and wood waste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2014.

Released: October 2017  
 Next MECS will be fielded in 2019

**RSE Table 2.2 Relative Standard Errors for Table 2.2;**

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	HGL (excluding natural gasoline)(d)	Coal	Coke and Breeze	Other(e)
<b>Total United States</b>									
311	Food	27.6	X	21.5	14.1	93.0	X	X	59.9
3112	Grain and Oilseed Milling	42.8	X	0.1	15.2	X	X	X	60.8
311221	Wet Corn Milling	0.0	X	X	X	X	X	X	0.0
31131	Sugar Manufacturing	0.1	X	X	0.1	X	X	X	0.1
3114	Fruit and Vegetable Preserving and Specialty Food	16.3	X	22.2	3.8	X	X	X	69.5
3115	Dairy Product	37.0	X	X	37.0	0.1	X	X	29.0
3116	Animal Slaughtering and Processing	37.3	X	74.6	42.9	X	X	X	0.7
312	Beverage and Tobacco Products	53.1	X	85.5	53.2	X	X	X	22.5
3121	Beverages	53.1	X	97.3	53.2	X	X	X	26.3
3122	Tobacco	0.1	X	0.1	X	X	X	X	0.1
313	Textile Mills	76.2	X	X	76.4	27.6	X	X	52.6
314	Textile Product Mills	46.8	X	X	46.8	X	X	X	94.3
315	Apparel	X	X	X	X	X	X	X	X
316	Leather and Allied Products	44.3	89.5	X	X	47.8	X	X	X
321	Wood Products	10.6	0.1	11.4	37.0	84.7	X	X	15.7
321113	Sawmills	3.4	X	0.1	11.5	0.1	X	X	0.5
3212	Veneer, Plywood, and Engineered Woods	17.4	0.1	0.1	53.4	66.8	X	X	18.8
321219	Reconstituted Wood Products	0.1	0.1	0.1	X	X	X	X	0.1
3219	Other Wood Products	73.3	X	96.0	65.2	88.9	X	X	54.5
322	Paper	4.9	X	0.1	0.1	0.1	X	X	6.4
322110	Pulp Mills	0.0	X	X	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.1	X	X	0.1	X	X	X	0.1
322122	Newsprint Mills	0.0	X	X	X	X	X	X	0.0
322130	Paperboard Mills	0.0	X	0.0	X	0.0	X	X	0.0
323	Printing and Related Support	94.9	X	74.8	96.8	X	X	X	78.6
324	Petroleum and Coal Products	2.1	X	2.4	25.9	0.1	0.2	0.1	3.0
324110	Petroleum Refineries	X	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	4.3	X	5.8	43.4	0.1	X	X	4.3
324122	Asphalt Shingle and Coating Materials	0.7	X	0.1	X	0.1	75.1	X	0.7
324199	Other Petroleum and Coal Products	0.0	X	0.0	0.0	X	0.0	0.0	0.0
325	Chemicals	0.3	0.1	0.1	0.8	0.4	0.6	0.1	0.2
325110	Petrochemicals	0.1	0.1	0.1	0.1	0.1	X	X	0.1
325120	Industrial Gases	0.1	X	X	0.1	0.1	X	X	0.1
325180	Other Basic Inorganic Chemicals	1.1	0.1	0.1	0.7	0.1	63.0	0.1	22.1
325193	Ethyl Alcohol	0.1	X	X	0.1	0.1	X	X	0.1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	0.0	X	X	X	0.0
325199	Other Basic Organic Chemicals	0.8	0.1	0.1	1.2	1.0	0.1	X	0.7
325211	Plastics Materials and Resins	0.1	X	70.6	0.1	0.2	X	X	0.1
325212	Synthetic Rubber	0.0	X	0.0	0.0	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	0.0	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.1	X	0.0	0.0	X	X	X	0.1
325312	Phosphatic Fertilizers	0.0	X	X	0.0	X	X	X	0.0
3254	Pharmaceuticals and Medicines	40.8	X	X	57.5	0.1	X	X	12.4
325412	Pharmaceutical Preparation	5.6	X	X	5.9	X	X	X	16.9
325992	Photographic Film, Paper, Plate, and Chemicals	0.1	X	X	0.1	0.1	X	X	0.1
326	Plastics and Rubber Products	52.0	X	X	64.5	67.6	X	X	71.4
327	Nonmetallic Mineral Products	9.3	57.4	77.2	22.3	90.8	55.8	X	1.0
327120	Clay Building Material and Refractories	30.7	X	0.1	34.7	0.1	0.1	X	1.7
327211	Flat Glass	0.0	X	0.0	0.0	0.0	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	91.4	X	X	95.1	0.1	X	X	0.1
327213	Glass Containers	0.0	X	X	X	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	0.5	X	0.1	4.1	0.1	X	X	0.1
327310	Cements	0.1	X	X	0.1	0.1	X	X	0.1
327410	Lime	0.0	X	X	X	0.0	X	X	0.0
327420	Gypsum	0.1	X	X	X	X	X	X	0.1
327993	Mineral Wool	46.2	57.4	0.1	79.6	83.0	X	X	21.9
331	Primary Metals	0.1	0.1	0.1	0.2	2.6	0.1	1.4	0.1
331110	Iron and Steel Mills and Ferroalloys	0.1	X	0.1	0.1	X	0.1	0.1	0.1
3312	Steel Products from Purchased Steel	0.5	X	X	0.1	2.5	1.7	X	1.6
3313	Alumina and Aluminum	0.1	0.1	0.1	0.3	14.3	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.1	X	0.1	0.1	0.1	X	X	0.1
331315	Aluminum Sheet, Plate and Foils	0.1	X	0.1	0.1	X	X	X	0.1
331318	Other Aluminum Rolling, Drawing and Extruding	0.5	0.0	X	0.5	29.3	X	X	32.7
3314	Nonferrous Metals, except Aluminum	4.1	X	X	21.0	X	0.1	14.0	0.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	X	0.1	0.0	0.1
3315	Foundries	0.5	X	0.1	2.0	2.8	0.1	0.1	1.2
331511	Iron Foundries	0.1	X	X	0.1	0.1	0.1	0.1	6.8
331523	Nonferrous Metal Die-Casting Foundries	0.5	X	0.1	0.1	0.0	X	X	0.6
331524	Aluminum Foundries, except Die-Casting	6.0	X	X	6.0	0.1	X	X	4.3
332	Fabricated Metal Products	57.2	X	X	71.5	61.4	0.1	X	99.3
333	Machinery	50.6	90.0	56.6	60.2	67.7	X	X	63.5
334	Computer and Electronic Products	5.1	X	0.1	11.3	X	X	X	4.1
334413	Semiconductors and Related Devices	0.1	X	0.1	X	X	X	X	0.1
335	Electrical Equip., Appliances, and Components	68.8	X	X	90.0	X	X	0.1	78.9



336	Transportation Equipment	33.6	X	X	41.6	35.9	45.2	X	68.0
336111	Automobiles	0.0	X	X	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	X	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	36.2	X	X	0.1	37.4	X	X	79.4
336411	Aircraft	9.7	X	X	X	45.2	X	X	0.1
337	Furniture and Related Products	47.8	X	X	X	56.3	X	X	0.1
339	Miscellaneous	60.5	X	X	60.5	X	X	X	74.1
	Subtotal	0.4	0.1	7.3	0.9	0.4	0.1	0.7	1.4
	Miscellaneous Nonfuel Products(f)	0	X	X	X	X	X	X	0
	Total	0.4	0.1	7.3	0.9	0.4	0.1	0.7	1.0

**Northeast Census Region**

311	Food	64.0	X	X	71.3	93.0	X	X	0.1
3112	Grain and Oilseed Milling	X	X	X	X	X	X	X	X
311221	Wet Corn Milling	X	X	X	X	X	X	X	X
31131	Sugar Manufacturing	X	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	X	X	X	X	X	X	X	X
3115	Dairy Product	0.1	X	X	X	0.1	X	X	X
3116	Animal Slaughtering and Processing	78.0	X	X	87.9	X	X	X	0.1
312	Beverage and Tobacco Products	0.0	X	X	X	X	X	X	0.0
3121	Beverages	0.0	X	X	X	X	X	X	0.0
3122	Tobacco	X	X	X	X	X	X	X	X
313	Textile Mills	94.8	X	X	94.8	X	X	X	X
314	Textile Product Mills	X	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X	X
321	Wood Products	10.2	X	0.1	56.4	63.8	X	X	0.1
321113	Sawmills	0.1	X	0.2	0.1	0.1	X	X	0.1
3212	Veneer, Plywood, and Engineered Woods	12.9	X	0.1	X	66.8	X	X	0.1
321219	Reconstituted Wood Products	0.1	X	0.1	X	X	X	X	0.1
3219	Other Wood Products	66.6	X	X	66.6	X	X	X	X
322	Paper	8.3	X	0.0	0.1	X	X	X	18.9
322110	Pulp Mills	X	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	X	X	0.0	X	X	X	0.0
322122	Newsprint Mills	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	X	X	X	X	X	0.0
323	Printing and Related Support	95.7	X	X	X	X	X	X	95.7
324	Petroleum and Coal Products	6.3	X	70.5	29.1	0.1	X	X	6.3
324110	Petroleum Refineries	X	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	7.0	X	71.6	53.1	X	X	X	7.0
324122	Asphalt Shingle and Coating Materials	0.0	X	X	X	0.0	X	X	0.0
324199	Other Petroleum and Coal Products	0.0	X	0.0	0.0	X	X	X	X
325	Chemicals	1.0	X	X	8.7	1.0	X	X	18.3
325110	Petrochemicals	0.0	X	X	X	X	X	X	0.0
325120	Industrial Gases	10.0	X	X	10.0	X	X	X	X
325180	Other Basic Inorganic Chemicals	3.7	X	X	70.1	X	X	X	0.1
325193	Ethyl Alcohol	X	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	28.0	X	X	43.9	0.0	X	X	34.5
325211	Plastics Materials and Resins	0.1	X	X	X	0.1	X	X	0.1
325212	Synthetic Rubber	X	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	X	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	X	X	0.0	X	X	X	0.0
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	2.0	X	X	1.0	0.1	X	X	17.2
325412	Pharmaceutical Preparation	2.1	X	X	1.0	X	X	X	17.2
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	X	0.0	X	X	X	0.0
326	Plastics and Rubber Products	70.3	X	X	X	97.0	X	X	98.3
327	Nonmetallic Mineral Products	0.5	X	0.1	21.3	0.1	0.1	X	0.1
327120	Clay Building Material and Refractories	0.0	X	0.1	0.1	0.1	X	X	X
327211	Flat Glass	0.0	X	X	X	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	91.5	X	X	95.1	X	X	X	0.1
327213	Glass Containers	X	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	0.6	X	X	44.3	X	X	X	0.1
327310	Cements	0.0	X	X	X	0.0	X	X	0.0
327410	Lime	0.0	X	X	X	0.0	X	X	X
327420	Gypsum	X	X	X	X	X	X	X	X
327993	Mineral Wool	X	X	X	X	X	X	X	X
331	Primary Metals	0.1	X	0.1	12.0	0.1	0.1	0.1	0.1
331110	Iron and Steel Mills and Ferroalloys	0.1	X	0.1	0.1	X	0.1	0.1	0.1
3312	Steel Products from Purchased Steel	0.1	X	X	0.1	2.5	X	X	0.1
3313	Alumina and Aluminum	0.0	X	X	0.0	0.0	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	X	X	0.0	0.0	X	X	0.0
3314	Nonferrous Metals, except Aluminum	0.8	X	X	52.2	X	68.1	0.1	0.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	X	X	0.0	X
3315	Foundries	0.1	X	X	0.1	0.1	0.1	0.1	0.4
331511	Iron Foundries	0.1	X	X	0.1	0.0	0.0	0.1	0.4
331523	Nonferrous Metal Die-Casting Foundries	0.0	X	X	X	X	X	X	0.0
331524	Aluminum Foundries, except Die-Casting	0.1	X	X	0.0	X	X	X	2.3
332	Fabricated Metal Products	96.9	X	X	X	X	X	X	96.9
333	Machinery	98.9	X	X	99.0	X	X	X	31.6
334	Computer and Electronic Products	13.2	X	X	61.1	X	X	X	0.1

334413	Semiconductors and Related Devices	0.1	X	X	X	X	X	X	0.1
335	Electrical Equip., Appliances, and Components	89.0	X	X	X	X	X	0.1	91.9
336	Transportation Equipment	5.7	X	X	X	0.1	45.2	X	0.1
336111	Automobiles	X	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	0.1	X	X	X	0.0	X	X	0.1
336411	Aircraft	0.0	X	X	X	X	X	X	0.0
337	Furniture and Related Products	68.5	X	X	X	68.5	X	X	X
339	Miscellaneous	88.7	X	X	88.7	X	X	X	X
	<b>Total</b>	<b>1.9</b>	<b>X</b>	<b>5.4</b>	<b>21.5</b>	<b>1.0</b>	<b>0.1</b>	<b>0.1</b>	<b>5.8</b>

**Midwest Census Region**

311	Food	39.7	X	X	16.0	X	X	X	67.4
3112	Grain and Oilseed Milling	48.9	X	X	0.1	X	X	X	67.9
311221	Wet Corn Milling	0.0	X	X	X	X	X	X	0.0
31131	Sugar Manufacturing	0.0	X	X	X	X	X	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	X	X	X	X	X	X	X	X
3115	Dairy Product	37.0	X	X	37.0	X	X	X	52.8
3116	Animal Slaughtering and Processing	35.1	X	X	86.7	X	X	X	0.1
312	Beverage and Tobacco Products	63.3	X	X	63.3	X	X	X	69.0
3121	Beverages	63.3	X	X	63.3	X	X	X	69.0
3122	Tobacco	X	X	X	X	X	X	X	X
313	Textile Mills	0.1	X	X	X	X	X	X	0.1
314	Textile Product Mills	X	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X	X
321	Wood Products	4.8	X	0.1	51.8	91.7	X	X	81.8
321113	Sawmills	4.0	X	15.3	0.1	0.1	X	X	7.0
3212	Veneer, Plywood, and Engineered Woods	53.4	X	0.1	53.4	X	X	X	X
321219	Reconstituted Wood Products	0.0	X	0.0	X	X	X	X	X
3219	Other Wood Products	81.5	X	X	86.1	92.9	X	X	84.6
322	Paper	0.1	X	X	X	0.1	X	X	0.1
322110	Pulp Mills	X	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.1	X	X	X	X	X	X	0.1
322122	Newsprint Mills	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	X	X	0.0	X	X	0.0
323	Printing and Related Support	83.1	X	93.8	X	X	X	X	86.0
324	Petroleum and Coal Products	1.5	X	0.1	0.1	0.1	0.1	0.1	3.4
324110	Petroleum Refineries	X	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	5.5	X	0.1	0.1	X	X	X	5.5
324122	Asphalt Shingle and Coating Materials	0.6	X	X	X	X	X	X	0.6
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	0.0	0.0	X
325	Chemicals	5.1	0.1	0.1	6.8	5.5	X	X	0.1
325110	Petrochemicals	X	X	X	X	X	X	X	X
325120	Industrial Gases	0.1	X	X	0.1	X	X	X	0.1
325180	Other Basic Inorganic Chemicals	0.1	0.1	0.1	X	X	X	X	0.1
325193	Ethyl Alcohol	0.1	X	X	X	12.1	X	X	0.1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	0.1	X	X	0.1	0.1	X	X	11.2
325211	Plastics Materials and Resins	0.1	X	X	0.1	0.1	X	X	0.3
325212	Synthetic Rubber	0.0	X	X	X	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	X	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.1	X	X	0.0	X	X	X	0.1
325312	Phosphatic Fertilizers	0.0	X	X	0.0	X	X	X	0.0
3254	Pharmaceuticals and Medicines	60.9	X	X	75.3	X	X	X	0.1
325412	Pharmaceutical Preparation	3.1	X	X	3.1	X	X	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	X	0.0	X	X	X	X
326	Plastics and Rubber Products	70.1	X	X	85.4	X	X	X	71.9
327	Nonmetallic Mineral Products	5.6	57.4	97.4	41.0	0.1	0.1	X	1.0
327120	Clay Building Material and Refractories	0.3	X	0.0	X	0.1	0.0	X	5.2
327211	Flat Glass	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X	X
327213	Glass Containers	X	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	0.1	X	0.1	0.1	0.0	X	X	0.1
327310	Cements	0.0	X	X	0.0	0.0	X	X	0.0
327410	Lime	X	X	X	X	X	X	X	X
327420	Gypsum	0.0	X	X	X	X	X	X	0.0
327993	Mineral Wool	50.1	57.4	X	79.6	X	X	X	0.0
331	Primary Metals	0.3	X	0.1	0.1	49.5	0.1	1.5	0.4
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	15.3	X	X	45.6	0.1	91.8	X	13.7
3313	Alumina and Aluminum	0.1	X	X	0.1	X	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.1	X	X	0.1	X	X	X	0.1
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	0.1	X	X	0.1	X	X	X	65.9
3314	Nonferrous Metals, except Aluminum	31.9	X	X	0.1	X	X	39.7	0.1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	X	X	X	0.0
3315	Foundries	0.1	X	X	0.1	49.5	0.1	0.1	6.8
331511	Iron Foundries	0.1	X	X	0.1	X	0.1	0.1	9.7
331523	Nonferrous Metal Die-Casting Foundries	54.2	X	X	X	X	X	X	54.2
331524	Aluminum Foundries, except Die-Casting	0.1	X	X	0.1	0.1	X	X	6.4
332	Fabricated Metal Products	62.6	X	X	75.1	65.8	0.1	X	50.4
333	Machinery	54.6	90.0	58.1	75.8	9.3	X	X	96.0
334	Computer and Electronic Products	18.7	X	0.1	X	X	X	X	22.3

334413	Semiconductors and Related Devices	0.1	X	0.1	X	X	X	X	0.1
335	Electrical Equip., Appliances, and Components	90.0	X	X	90.0	X	X	X	62.5
336	Transportation Equipment	49.4	X	X	50.1	16.0	X	X	1.3
336111	Automobiles	0.0	X	X	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	X	X	0.0	X	X	X
3364	Aerospace Product and Parts	0.2	X	X	0.1	45.2	X	X	0.1
336411	Aircraft	42.6	X	X	X	45.2	X	X	0.0
337	Furniture and Related Products	0.1	X	X	X	X	X	X	0.1
339	Miscellaneous	9.6	X	X	X	X	X	X	9.6
	<b>Total</b>	<b>1.7</b>	<b>1.1</b>	<b>17.1</b>	<b>5.3</b>	<b>5.5</b>	<b>0.1</b>	<b>0.8</b>	<b>3.0</b>

**South Census Region**

311	Food	23.4	X	0.1	34.6	X	X	X	0.1
3112	Grain and Oilseed Milling	34.9	X	0.1	79.1	X	X	X	0.1
311221	Wet Corn Milling	0.0	X	X	X	X	X	X	0.0
31131	Sugar Manufacturing	0.1	X	X	0.1	X	X	X	0.1
3114	Fruit and Vegetable Preserving and Specialty Food	0.1	X	X	0.1	X	X	X	22.1
3115	Dairy Product	0.1	X	X	X	X	X	X	0.1
3116	Animal Slaughtering and Processing	83.4	X	X	83.7	X	X	X	59.6
312	Beverage and Tobacco Products	1.1	X	0.1	X	X	X	X	11.3
3121	Beverages	69.2	X	X	X	X	X	X	69.2
3122	Tobacco	0.1	X	0.1	X	X	X	X	0.1
313	Textile Mills	0.5	X	X	0.1	27.6	X	X	58.5
314	Textile Product Mills	0.1	X	X	0.1	X	X	X	94.3
315	Apparel	X	X	X	X	X	X	X	X
316	Leather and Allied Products	44.3	89.5	X	X	47.8	X	X	X
321	Wood Products	15.8	0.1	16.7	32.8	67.0	X	X	56.0
321113	Sawmills	26.9	X	X	32.8	X	X	X	0.9
3212	Veneer, Plywood, and Engineered Woods	2.6	0.1	X	X	X	X	X	78.4
321219	Reconstituted Wood Products	0.1	0.1	X	X	X	X	X	0.1
3219	Other Wood Products	95.7	X	96.0	X	67.0	X	X	87.9
322	Paper	5.9	X	0.1	X	X	X	X	6.8
322110	Pulp Mills	0.0	X	X	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	X	X	X	X	X	X	0.0
322122	Newsprint Mills	0.0	X	X	X	X	X	X	0.0
322130	Paperboard Mills	0.0	X	0.0	X	X	X	X	0.0
323	Printing and Related Support	97.6	X	97.9	X	X	X	X	72.6
324	Petroleum and Coal Products	4.2	X	6.2	23.1	0.1	0.6	0.1	5.3
324110	Petroleum Refineries	X	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	8.6	X	17.8	23.1	0.1	X	X	8.6
324122	Asphalt Shingle and Coating Materials	1.4	X	0.1	X	0.1	75.1	X	1.3
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	0.0	0.0	0.0
325	Chemicals	0.2	0.1	0.1	0.3	0.3	0.6	X	0.2
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	0.1	X	X	0.1	0.1	X	X	0.1
325180	Other Basic Inorganic Chemicals	1.4	0.1	0.1	0.7	0.1	63.0	X	64.8
325193	Ethyl Alcohol	0.0	X	X	X	0.0	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	0.0	X	X	X	0.0
325199	Other Basic Organic Chemicals	0.8	0.1	0.1	1.2	1.1	0.1	X	0.7
325211	Plastics Materials and Resins	0.1	X	70.6	0.1	0.2	X	X	0.1
325212	Synthetic Rubber	0.0	X	0.0	0.0	X	X	X	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	0.0	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.1	X	X	0.1	X	X	X	0.1
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	3.9	X	X	4.3	X	X	X	6.1
325412	Pharmaceutical Preparation	X	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.1	X	X	X	X	X	X	0.1
326	Plastics and Rubber Products	76.3	X	X	87.0	68.2	X	X	56.8
327	Nonmetallic Mineral Products	42.1	X	0.1	70.7	97.6	63.9	X	53.1
327120	Clay Building Material and Refractories	69.0	X	0.1	72.4	0.1	X	X	1.3
327211	Flat Glass	0.0	X	X	X	X	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.1	X	X	X	0.1	X	X	X
327213	Glass Containers	0.0	X	X	X	0.0	X	X	X
327215	Glass Products from Purchased Glass	0.1	X	X	X	X	X	X	0.1
327310	Cements	0.1	X	X	0.1	X	X	X	0.1
327410	Lime	0.0	X	X	X	X	X	X	0.0
327420	Gypsum	X	X	X	X	X	X	X	X
327993	Mineral Wool	53.9	X	X	X	83.0	X	X	50.4
331	Primary Metals	0.1	0.1	0.1	0.2	14.7	0.1	0.1	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	0.0	X	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	0.2	X	X	0.1	X	0.1	X	23.2
3313	Alumina and Aluminum	0.1	0.1	0.1	0.1	15.3	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.1	X	0.1	X	X	X	X	0.1
331318	Other Aluminum Rolling, Drawing and Extruding	0.1	0.0	X	0.0	33.9	X	X	52.2
3314	Nonferrous Metals, except Aluminum	1.1	X	X	38.8	X	0.1	X	0.2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	X	0.0	X	X
3315	Foundries	0.1	X	0.1	0.1	0.1	0.1	X	1.3
331511	Iron Foundries	0.1	X	X	X	X	0.1	X	60.3
331523	Nonferrous Metal Die-Casting Foundries	0.1	X	0.0	X	0.0	X	X	0.1
331524	Aluminum Foundries, except Die-Casting	0.1	X	X	0.1	X	X	X	X
332	Fabricated Metal Products	95.3	X	X	99.3	99.5	X	X	99.5
333	Machinery	44.6	X	89.3	X	X	X	X	51.0
334	Computer and Electronic Products	15.3	X	X	X	X	X	X	15.3

334413	Semiconductors and Related Devices	0.1	X	X	X	X	X	X	0.1
335	Electrical Equip., Appliances, and Components	75.3	X	X	X	X	X	X	75.3
336	Transportation Equipment	57.9	X	X	92.4	0.1	X	X	69.8
336111	Automobiles	0.0	X	X	X	X	X	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	X	X	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	74.2	X	X	X	0.1	X	X	80.2
336411	Aircraft	X	X	X	X	X	X	X	X
337	Furniture and Related Products	97.1	X	X	X	97.1	X	X	X
339	Miscellaneous	59.3	X	X	59.4	X	X	X	78.2
	<b>Total</b>	<b>0.4</b>	<b>0.1</b>	<b>3.5</b>	<b>0.4</b>	<b>0.3</b>	<b>0.4</b>	<b>0.1</b>	<b>1.5</b>

**West Census Region**

311	<b>Food</b>	<b>18.8</b>	<b>X</b>	<b>21.6</b>	<b>31.6</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>76.7</b>
3112	Grain and Oilseed Milling	52.0	X	X	X	X	X	X	52.0
311221	Wet Corn Milling	0.0	X	X	X	X	X	X	0.0
31131	Sugar Manufacturing	X	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	21.7	X	22.2	60.7	X	X	X	70.4
3115	Dairy Product	23.2	X	X	X	X	X	X	23.2
3116	Animal Slaughtering and Processing	31.6	X	74.6	35.1	X	X	X	53.7
312	Beverage and Tobacco Products	56.7	X	97.3	56.7	X	X	X	59.0
3121	Beverages	56.7	X	97.3	56.7	X	X	X	59.0
3122	Tobacco	X	X	X	X	X	X	X	X
313	Textile Mills	43.1	X	X	X	X	X	X	43.1
314	Textile Product Mills	99.0	X	X	99.0	X	X	X	X
315	Apparel	X	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X	X
321	Wood Products	3.8	X	0.1	X	0.1	X	X	12.3
321113	Sawmills	0.1	X	0.1	X	0.1	X	X	0.6
3212	Veneer, Plywood, and Engineered Woods	0.3	X	X	X	X	X	X	0.3
321219	Reconstituted Wood Products	0.5	X	X	X	X	X	X	0.5
3219	Other Wood Products	68.5	X	X	X	X	X	X	68.5
322	Paper	0.1	X	X	X	X	X	X	0.1
322110	Pulp Mills	X	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	X	X	X	X	X	X	0.0
322122	Newsprint Mills	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	X	X	X	X	X	0.0
323	Printing and Related Support	96.8	X	X	96.8	X	X	X	92.5
324	Petroleum and Coal Products	7.3	X	5.0	0.1	X	X	X	7.3
324110	Petroleum Refineries	X	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	9.6	X	5.0	X	X	X	X	9.6
324122	Asphalt Shingle and Coating Materials	0.1	X	X	X	X	X	X	0.1
324199	Other Petroleum and Coal Products	X	X	X	X	X	X	X	X
325	Chemicals	0.5	X	0.1	0.9	0.1	X	0.1	2.0
325110	Petrochemicals	X	X	X	X	X	X	X	X
325120	Industrial Gases	0.1	X	X	0.1	X	X	X	85.9
325180	Other Basic Inorganic Chemicals	0.1	X	X	0.1	X	X	0.1	0.1
325193	Ethyl Alcohol	0.1	X	X	0.1	0.1	X	X	0.1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	X	X	X	X	X	0.0
325199	Other Basic Organic Chemicals	4.5	X	X	8.7	0.1	X	X	0.1
325211	Plastics Materials and Resins	47.2	X	X	47.3	X	X	X	0.1
325212	Synthetic Rubber	X	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	X	X	X	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	X	0.0	0.0	X	X	X	0.0
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	24.4	X	X	78.9	X	X	X	25.6
325412	Pharmaceutical Preparation	78.9	X	X	78.9	X	X	X	80.6
325992	Photographic Film, Paper, Plate, and Chemicals	0.1	X	X	X	0.1	X	X	X
326	Plastics and Rubber Products	94.9	X	X	95.0	99.0	X	X	99.0
327	Nonmetallic Mineral Products	91.0	X	97.9	0.1	0.1	X	X	4.0
327120	Clay Building Material and Refractories	0.0	X	0.1	X	X	X	X	0.1
327211	Flat Glass	0.0	X	X	X	X	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X	X
327213	Glass Containers	0.0	X	X	X	X	X	X	0.0
327215	Glass Products from Purchased Glass	89.3	X	X	X	X	X	X	89.3
327310	Cements	0.0	X	X	0.0	X	X	X	0.0
327410	Lime	0.0	X	X	X	0.0	X	X	X
327420	Gypsum	0.1	X	X	X	X	X	X	0.1
327993	Mineral Wool	0.0	X	0.0	X	X	X	X	X
331	Primary Metals	4.0	X	X	19.7	0.1	X	0.1	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	X	X	X	X	X	X	0.0
3312	Steel Products from Purchased Steel	62.2	X	X	62.2	X	X	X	X
3313	Alumina and Aluminum	68.7	X	X	86.9	X	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.1	X	X	0.1	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	X	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	87.3	X	X	87.3	X	X	X	X
3314	Nonferrous Metals, except Aluminum	0.1	X	X	X	X	X	0.1	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	X	X	X	X	X	X	0.0
3315	Foundries	19.0	X	X	19.0	0.1	X	X	25.1
331511	Iron Foundries	0.0	X	X	0.0	0.0	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	0.1	X	X	0.0	X	X	X	2.2
331524	Aluminum Foundries, except Die-Casting	32.5	X	X	32.5	X	X	X	36.1
332	Fabricated Metal Products	97.4	X	X	X	X	X	X	97.4
333	Machinery	72.8	X	X	92.0	68.2	X	X	65.0
334	Computer and Electronic Products	0.1	X	X	0.1	X	X	X	0.1

334413	Semiconductors and Related Devices	0.1	X	X	X	X	X	X	0.1
335	Electrical Equip., Appliances, and Components	80.6	X	X	X	X	X	X	80.6
336	Transportation Equipment	18.4	X	X	0.1	50.2	X	X	1.2
336111	Automobiles	X	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	18.4	X	X	0.1	50.2	X	X	1.2
336411	Aircraft	69.9	X	X	X	X	X	X	69.9
337	Furniture and Related Products	99.0	X	X	X	99.0	X	X	X
339	Miscellaneous	71.1	X	X	71.1	X	X	X	88.8
	Total	6.0	X	42.7	7.8	37.1	X	0.1	7.2

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

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

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

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

(e) 'Other' 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 or as feedstock/raw material inputs. See also Footnote 'f'.

(f) Previously, the Manufacturing Energy Consumption Survey (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, "Feedstock and Offsite-Produced Fuel at Petroleum Refineries"). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the 'Other' column. However, other 'Miscellaneous Nonfuel Products' (i.e. lubricants, solvents, waxes, and special naphthas) from refineries, and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the 'Miscellaneous Nonfuel Products' used in manufacturing was derived using EIA's "U.S. Product Supplied for Crude Oil and Petroleum Products" data. The 'Miscellaneous Nonfuel Products' are shown as a separate row under the 'Subtotal' for the 'Total United States' and this row is not allocated regionally. Therefore, the sum of the regional totals will equal the United States subtotal in the previous row. Because of the changes made to the 2014 MECS, the quantity in 'Other' for the petroleum refineries in Tables 1 and 2 is now less than it would otherwise be using the previous method. Similarly, the quantities in 'Other' for Chemicals (NAICS 325 and certain subindustries) and the asphalt industries (NAICS 324121 and 324122) are now larger than they would otherwise be under the previous method. The 2014 "Feedstock and Offsite-Produced Fuel at Petroleum Refineries" data may be found on EIA's website:

[https://www.eia.gov/dnav/pet/pet\\_cons\\_psup\\_dc\\_nus\\_mbb1\\_a.htm](https://www.eia.gov/dnav/pet/pet_cons_psup_dc_nus_mbb1_a.htm)

\* 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 derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstocks or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; wood chips, bark, and wood waste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2014.