

Released: February 2018
 Next MECS will be fielded in 2019

Table 2.4 Number of Establishments by Nonfuel (Feedstock) Use of Combustible Energy, 2014;

Level: National Data;
 Row: NAICS Codes; Column: Energy Sources;
 Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	Coal	Coke and Breeze	Other(f)
Total United States									
311	Food	747	0	10	Q	W	0	0	561
3112	Grain and Oilseed Milling	43	0	W	W	0	0	0	36
311221	Wet Corn Milling	6	0	0	0	0	0	0	6
31131	Sugar Manufacturing	5	0	0	W	0	0	0	W
3114	Fruit and Vegetable Preserving and Specialty Food	30	0	W	W	0	0	0	W
3115	Dairy Product	32	0	0	Q	W	0	0	19
3116	Animal Slaughtering and Processing	92	0	W	23	0	0	0	65
312	Beverage and Tobacco Products	129	0	W	Q	0	0	0	22
3121	Beverages	124	0	W	Q	0	0	0	18
3122	Tobacco	6	0	W	0	0	0	0	5
313	Textile Mills	67	0	0	W	W	0	0	46
314	Textile Product Mills	W	0	0	W	0	0	0	W
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	W	W	0	0	W	0	0	0
321	Wood Products	399	W	68	Q	Q	0	0	208
321113	Sawmills	65	0	16	5	4	0	0	46
3212	Veneer, Plywood, and Engineered Woods	80	W	W	Q	W	0	0	58
321219	Reconstituted Wood Products	13	W	W	0	0	0	0	12
3219	Other Wood Products	231	0	W	Q	W	0	0	100
322	Paper	50	0	5	W	W	0	0	49
322110	Pulp Mills	W	0	0	0	0	0	0	W
322121	Paper Mills, except Newsprint	13	0	0	W	0	0	0	13
322122	Newsprint Mills	W	0	0	0	0	0	0	W
322130	Paperboard Mills	14	0	W	0	W	0	0	13
323	Printing and Related Support	133	0	W	W	0	0	0	W
324	Petroleum and Coal Products	1,244	0	31	17	7	15	W	1,224
324110	Petroleum Refineries	0	0	0	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	1,081	0	20	W	W	0	0	1,081
324122	Asphalt Shingle and Coating Materials	132	0	W	0	W	W	0	132
324199	Other Petroleum and Coal Products	26	0	W	W	0	W	W	W
325	Chemicals	999	13	14	474	196	W	W	408
325110	Petrochemicals	22	W	W	W	18	0	0	11
325120	Industrial Gases	27	0	0	11	W	0	0	W
325180	Other Basic Organic Chemicals	75	9	3	Q	W	W	W	47
325193	Ethyl Alcohol	27	0	0	W	3	0	0	Q
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	3	0	0	W	0	0	0	W
325199	Other Basic Organic Chemicals	137	W	3	80	38	W	0	52
325211	Plastics Materials and Resins	65	0	W	8	32	0	0	45
325212	Synthetic Rubber	13	0	W	4	0	0	0	10
325220	Artificial and Synthetic Fibers and Filaments	6	0	0	W	0	0	0	5
325311	Nitrogenous Fertilizers	20	0	W	18	0	0	0	4
325312	Phosphatic Fertilizers	W	0	0	W	0	0	0	W
3254	Pharmaceuticals and Medicines	55	0	0	31	W	0	0	25
325412	Pharmaceutical Preparation	26	0	0	12	0	0	0	16
325992	Photographic Film, Paper, Plate, and Chemicals	6	0	0	W	W	0	0	W
326	Plastics and Rubber Products	871	0	0	Q	Q	0	0	712
327	Nonmetallic Mineral Products	830	W	Q	Q	Q	6	0	325
327120	Clay Building Material and Refractories	67	0	11	W	W	W	0	47
327211	Flat Glass	18	0	W	W	W	W	0	14
327212	Other Pressed and Blown Glass and Glassware	Q	0	0	W	W	0	0	3
327213	Glass Containers	W	0	0	0	W	0	0	W
327215	Glass Products from Purchased Glass	29	0	W	Q	W	0	0	17
327310	Cements	20	0	0	6	W	0	0	13
327410	Lime	W	0	0	0	W	0	0	W
327420	Gypsum	W	0	0	0	0	0	0	W
327993	Mineral Wool	28	W	W	W	W	0	0	7
331	Primary Metals	475	W	11	107	22	54	16	320
331110	Iron and Steel Mills and Ferroalloys	97	0	5	18	0	26	W	70
3312	Steel Products from Purchased Steel	77	0	0	13	7	Q	0	49
3313	Alumina and Aluminum	77	W	W	30	4	0	0	43
331314	Secondary Smelting and Alloying of Aluminum	12	0	W	W	W	0	0	6
331315	Aluminum Sheet, Plate and Foils	11	0	W	W	0	0	0	8
331318	Other Aluminum Rolling, Drawing and Extruding	45	W	0	21	W	0	0	21
3314	Nonferrous Metals, except Aluminum	76	0	0	21	0	6	W	50
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	11	0	0	0	0	W	W	7
3315	Foundries	149	0	W	25	11	10	4	108
331511	Iron Foundries	49	0	0	W	W	10	4	27
331523	Nonferrous Metal Die-Casting Foundries	30	0	W	W	W	0	0	26
331524	Aluminum Foundries, except Die-Casting	42	0	0	14	W	0	0	31

332	Fabricated Metal Products	2,681	0	0	593	Q	W	0	2,087
333	Machinery	1,576	W	Q	Q	378	0	0	690
334	Computer and Electronic Products	Q	0	W	Q	0	0	0	Q
334413	Semiconductors and Related Devices	26	0	W	0	0	0	0	25
335	Electrical Equip., Appliances, and Components	208	0	0	Q	0	0	W	97
336	Transportation Equipment	454	0	0	Q	16	W	0	313
336111	Automobiles	9	0	0	W	W	0	0	W
336112	Light Trucks and Utility Vehicles	3	0	0	W	W	0	0	W
3364	Aerospace Product and Parts	37	0	0	3	8	0	0	28
336411	Aircraft	8	0	0	0	W	0	0	6
337	Furniture and Related Products	Q	0	0	0	Q	0	0	W
339	Miscellaneous	511	0	0	496	0	0	0	Q
	Total	11,813	Q	693	2,825	1,199	82	22	7,304

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

(b) 'Any Combustible Energy Source' represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 2014.

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

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

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

(f) 'Other' includes 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.

* 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.'

RSE Table 2.4 Relative Standard Errors for Table 2.4;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	Coal	Coke and Breeze	Other(f)
Total United States									
311	Food	24.9	X	26.2	53.1	84.4	X	X	29.0
3112	Grain and Oilseed Milling	14.8	X	9.1	51.0	X	X	X	14.5
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	45.8	X	15.0	38.4	X	X	X	56.9
3115	Dairy Product	33.1	X	X	57.2	7.1	X	X	43.2
3116	Animal Slaughtering and Processing	26.3	X	75.0	49.0	X	X	X	32.3
312	Beverage and Tobacco Products	41.4	X	94.3	59.7	X	X	X	30.7
3121	Beverages	43.4	X	97.7	59.7	X	X	X	38.7
3122	Tobacco	0.1	X	0.1	X	X	X	X	0.1
313	Textile Mills	40.7	X	X	89.9	64.4	X	X	42.3
314	Textile Product Mills	87.2	X	X	99.7	X	X	X	96.2
315	Apparel	X	X	X	X	X	X	X	X
316	Leather and Allied Products	77.8	91.1	X	X	50.3	X	X	X
321	Wood Products	21.7	17.7	40.4	65.4	50.9	X	X	18.4
321113	Sawmills	10.0	X	27.1	15.2	5.5	X	X	9.1
3212	Veneer, Plywood, and Engineered Woods	27.8	17.7	17.7	55.6	67.7	X	X	33.1
321219	Reconstituted Wood Products	23.6	17.7	17.7	X	X	X	X	24.6
3219	Other Wood Products	36.1	X	85.7	82.4	76.1	X	X	32.8
322	Paper	20.0	X	5.9	0.1	0.0	X	X	20.4
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	42.7	X	77.1	97.0	X	X	X	49.6
324	Petroleum and Coal Products	2.1	X	10.0	29.4	6.5	15.9	0.0	2.2
324110	Petroleum Refineries	X	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	2.4	X	15.1	37.2	4.2	X	X	2.4
324122	Asphalt Shingle and Coating Materials	3.7	X	4.0	X	4.0	75.6	X	3.7
324199	Other Petroleum and Coal Products	0.0	X	0.0	0.0	X	0.0	0.0	0.0
325	Chemicals	17.1	10.7	14.5	27.3	39.6	43.0	12.7	22.5
325110	Petrochemicals	26.6	26.6	26.6	26.6	26.6	X	X	26.6
325120	Industrial Gases	36.3	X	X	16.7	15.0	X	X	61.7
325180	Other Basic Inorganic Chemicals	22.9	12.7	12.7	54.0	12.7	64.6	12.7	25.4
325193	Ethyl Alcohol	43.2	X	X	7.3	8.8	X	X	52.0
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	21.4	12.4	12.4	35.6	17.1	12.4	X	16.3
325211	Plastics Materials and Resins	13.2	X	50.3	13.1	13.7	X	X	15.7
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	22.9	X	22.9	22.9	X	X	X	22.9
325312	Phosphatic Fertilizers	0.0	X	X	0.0	X	X	X	0.0
3254	Pharmaceuticals and Medicines	26.3	X	X	40.7	16.7	X	X	24.6
325412	Pharmaceutical Preparation	27.8	X	X	35.7	X	X	X	33.6
325992	Photographic Film, Paper, Plate, and Chemicals	25.5	X	X	25.5	25.5	X	X	25.5
326	Plastics and Rubber Products	24.3	X	X	57.3	61.9	X	X	27.9
327	Nonmetallic Mineral Products	26.9	62.8	53.7	56.3	70.1	30.7	X	38.1
327120	Clay Building Material and Refractories	15.8	X	8.3	46.4	8.3	8.3	X	20.5
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	75.1	X	X	96.6	21.2	X	X	21.2
327213	Glass Containers	0.0	X	X	X	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	32.8	X	10.6	58.0	10.6	X	X	44.2
327310	Cements	31.9	X	X	31.9	31.9	X	X	31.9
327410	Lime	0.0	X	X	X	0.0	X	X	0.0
327420	Gypsum	17.3	X	X	X	X	X	X	17.3
327993	Mineral Wool	41.7	62.8	24.9	83.2	89.4	X	X	47.6
331	Primary Metals	6.8	10.0	4.5	12.7	16.7	14.9	7.8	8.3
331110	Iron and Steel Mills and Ferroalloys	8.4	X	3.3	3.3	X	3.3	3.3	13.0
3312	Steel Products from Purchased Steel	25.2	X	X	37.3	38.1	68.6	X	34.3
3313	Alumina and Aluminum	16.4	10.0	13.0	33.4	14.3	X	X	17.5
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	21.4	X	21.4	21.4	X	X	X	21.4
331318	Other Aluminum Rolling, Drawing and Extruding	27.5	10.0	X	46.8	19.5	X	X	34.5
3314	Nonferrous Metals, except Aluminum	15.3	X	X	32.7	X	37.5	16.7	16.8
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	37.4	X	X	X	X	37.4	37.4	37.4
3315	Foundries	11.7	X	10.4	14.2	23.2	18.5	18.5	13.8
331511	Iron Foundries	25.1	X	X	18.5	18.5	18.5	18.5	35.7
331523	Nonferrous Metal Die-Casting Foundries	26.2	X	9.6	9.6	9.6	X	X	29.9
331524	Aluminum Foundries, except Die-Casting	13.4	X	X	23.0	7.9	X	X	14.3
332	Fabricated Metal Products	23.1	X	X	48.8	89.1	4.5	X	26.7
333	Machinery	19.2	69.9	65.9	54.7	42.2	X	X	28.3
334	Computer and Electronic Products	52.6	X	20.1	57.8	X	X	X	56.0
334413	Semiconductors and Related Devices	20.1	X	20.1	X	X	X	X	20.1
335	Electrical Equip., Appliances, and Components	42.1	X	X	71.8	X	X	9.9	41.2
336	Transportation Equipment	35.0	X	X	56.1	13.4	46.2	X	45.4
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	25.7	X	X	11.9	23.8	X	X	31.1
336411	Aircraft	42.2	X	X	X	53.3	X	X	48.2
337	Furniture and Related Products	74.7	X	X	X	75.5	X	X	7.0
339	Miscellaneous	38.7	X	X	39.8	X	X	X	57.9
	Total	7.3	57.4	29.5	15.8	23.5	10.7	5.7	9.4

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
 (b) 'Any Combustible Energy Source' represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 2014.

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

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

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

(f) 'Other' includes 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.

* 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.'