

Released: February 2018
 Next MECS will be fielded in 2019

Table 9.1 Enclosed Floorspace and Number of Establishment Buildings, 2014;

Level: National Data;
 Row: NAICS Codes;
 Column: Floorspace and Buildings;
 Unit: Floorspace Square Footage and Building Counts.

NAICS Code(a)	Subsector and Industry	Approximate Enclosed Floorspace of All Buildings Onsite (million sq ft)	Establishments(b) (counts)	Average Enclosed Floorspace per Establishment (sq ft)	Approximate Number of All Buildings Onsite (counts)	Average Number of Buildings Onsite per Establishment (counts)
Total United States						
311	Food	1,157	13,690	96,586.0	31,087	2.5
3112	Grain and Oilseed Milling	117	600	217,154.8	4,589	7.8
311221	Wet Corn Milling	16	49	318,767.6	870	17.8
31131	Sugar Manufacturing	31	71	461,108.9	1,022	16.2
3114	Fruit and Vegetable Preserving and Specialty Food	182	985	198,955.7	3,886	4.1
3115	Dairy Product	178	992	197,138.0	2,634	2.9
3116	Animal Slaughtering and Processing	168	1,603	117,287.5	4,566	3.1
312	Beverage and Tobacco Products	252	2,443	113,358.9	6,844	3.0
3121	Beverages	225	2,369	104,382.3	6,523	3.0
3122	Tobacco	27	74	389,512.4	321	4.4
313	Textile Mills	220	1,355	164,744.2	2,677	2.0
314	Textile Product Mills	151	4,277	39,709.4	2,522	0.7
315	Apparel	44	3,874	12,439.3	2,324	0.6
316	Leather and Allied Products	15	466	33,483.2	507	1.1
321	Wood Products	505	8,398	71,281.4	26,107	3.4
321113	Sawmills	96	1,619	74,861.3	7,101	5.0
3212	Veneer, Plywood, and Engineered Woods	83	973	98,937.9	2,992	3.4
321219	Reconstituted Wood Products	31	154	238,620.9	645	4.8
3219	Other Wood Products	315	5,558	66,766.1	14,646	2.9
322	Paper	567	3,220	185,393.9	11,450	3.6
322110	Pulp Mills	16	28	660,445.9	741	30.4
322121	Paper Mills, except Newsprint	97	165	677,318.0	3,061	22.0
322122	Newsprint Mills	6	18	326,384.4	179	9.9
322130	Paperboard Mills	65	147	517,925.8	2,633	19.1
323	Printing and Related Support	421	14,005	33,778.0	12,139	0.9
324	Petroleum and Coal Products	107	1,918	64,588.2	12,697	7.2
324110	Petroleum Refineries	58	174	491,872.6	7,987	47.1
324121	Asphalt Paving Mixture and Block	9	1,285	7,716.9	2,610	2.3
324122	Asphalt Shingle and Coating Materials	20	162	127,002.0	668	4.2
324199	Other Petroleum and Coal Products	3	86	41,125.3	556	6.6
325	Chemicals	917	8,530	122,210.6	45,598	5.9
325110	Petrochemicals	5	44	113,973.3	882	20.6
325120	Industrial Gases	6	427	27,063.8	973	4.3
325180	Other Basic Inorganic Chemicals	50	511	108,618.8	6,082	12.8
325193	Ethyl Alcohol	20	211	112,716.7	1,740	8.6
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	8	69	143,873.1	856	12.7
325199	Other Basic Organic Chemicals	76	518	165,861.0	7,675	16.3
325211	Plastics Materials and Resins	118	844	148,606.5	5,625	6.9
325212	Synthetic Rubber	11	85	125,357.3	702	8.3
325220	Artificial and Synthetic Fibers and Filaments	26	89	313,159.4	493	5.5
325311	Nitrogenous Fertilizers	16	133	128,985.3	1,362	10.5
325312	Phosphatic Fertilizers	4	57	87,329.1	629	12.6
3254	Pharmaceuticals and Medicines	183	1,199	159,078.0	5,165	4.5
325412	Pharmaceutical Preparation	97	601	170,807.3	2,543	4.4
325992	Photographic Film, Paper, Plate, and Chemicals	28	121	233,422.0	682	5.7
326	Plastics and Rubber Products	897	8,217	116,633.4	14,910	1.9
327	Nonmetallic Mineral Products	536	12,184	49,562.5	29,071	2.6
327120	Clay Building Material and Refractories	58	446	143,775.5	1,801	4.1
327211	Flat Glass	43	50	854,934.0	191	3.8
327212	Other Pressed and Blown Glass and Glassware	25	194	133,977.0	604	3.1
327213	Glass Containers	32	59	548,622.7	359	6.2
327215	Glass Products from Purchased Glass	58	683	85,814.4	1,035	1.5
327310	Cements	22	189	120,297.3	2,189	11.7
327410	Lime	4	83	80,618.6	502	7.1
327420	Gypsum	29	122	275,830.4	391	3.7
327993	Mineral Wool	43	186	242,384.6	405	2.2
331	Primary Metals	665	3,138	226,095.8	14,803	4.9
331110	Iron and Steel Mills and Ferroalloys	251	345	788,537.3	4,101	12.5
3312	Steel Products from Purchased Steel	80	470	195,266.9	1,512	3.4
3313	Alumina and Aluminum	119	383	333,903.1	2,483	6.6
331314	Secondary Smelting and Alloying of Aluminum	17	96	211,771.4	484	5.2
331315	Aluminum Sheet, Plate and Foils	47	57	833,178.6	379	6.6
331318	Other Aluminum Rolling, Drawing and Extruding	36	191	200,159.3	501	2.7
3314	Nonferrous Metals, except Aluminum	83	662	135,837.6	2,639	4.2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	14	108	148,746.8	695	7.1
3315	Foundries	132	1,278	105,886.0	4,068	3.2
331511	Iron Foundries	43	320	135,116.5	1,308	4.1
331523	Nonferrous Metal Die-Casting Foundries	28	254	114,964.6	549	2.2
331524	Aluminum Foundries, except Die-Casting	19	268	70,095.9	610	2.3
332	Fabricated Metal Products	1,543	36,439	44,463.5	51,834	1.5
333	Machinery	917	15,307	64,461.3	24,802	1.7
334	Computer and Electronic Products	528	6,831	80,438.1	11,641	1.8
334413	Semiconductors and Related Devices	129	388	357,738.8	1,518	4.1
335	Electrical Equip., Appliances, and Components	268	3,298	88,674.3	4,901	1.5
336	Transportation Equipment	1,162	6,603	189,754.8	17,854	2.9
336111	Automobiles	84	44	1,975,817.3	233	5.5
336112	Light Trucks and Utility Vehicles	81	37	2,183,486.7	294	8.0
3364	Aerospace Product and Parts	320	1,063	351,847.4	7,697	8.1
336411	Aircraft	147	293	568,435.4	2,964	11.5
337	Furniture and Related Products	502	7,913	69,451.4	8,622	1.2
339	Miscellaneous	349	13,001	29,657.3	12,600	1.0
	Total	11,722	175,107	73,191.6	344,990	2.1

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

(b) The 'Establishments (counts)' column is the total number of manufacturing establishments in the frame minus the number of ineligible establishments for poststratification. It includes those units which reported floorspace, plus those units where floorspace was not ascertained. To obtain the number of reporting establishments for any NAICS, divide the entry in the 'Approximate Enclosed Floorspace' column by the corresponding entry in the 'Average Enclosed Floorspace' column. For example, in the 'Total' row, (11,722 million sq ft) divided by (73,191.6 sq ft) equals 160,155, which is the number of reporting establishments (weighted) of the 226,813 total establishments.

* 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.

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

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RSE Table 9.1 Relative Standard Errors for Table 9.1;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Approximate Enclosed Floorspace of All Buildings Onsite (million sq ft)	Establishments(b) (counts)	Average Enclosed Floorspace per Establishment (sq ft)	Approximate Number of All Buildings Onsite (counts)	Average Number of Buildings Onsite per Establishment (counts)
Total United States						
311	Food	5.2	0.0	5.3	5.3	5.3
3112	Grain and Oilseed Milling	5.4	0.0	6.7	5.5	5.3
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	0.0
31131	Sugar Manufacturing	0.1	0.0	0.1	0.1	0.1
3114	Fruit and Vegetable Preserving and Specialty Food	5.4	0.0	5.9	8.7	8.8
3115	Dairy Product	3.3	0.0	4.2	5.0	5.4
3116	Animal Slaughtering and Processing	4.7	0.0	5.7	8.0	8.5
312	Beverage and Tobacco Products	4.8	0.0	5.2	9.2	8.9
3121	Beverages	5.4	0.0	5.8	9.6	9.3
3122	Tobacco	0.1	0.0	0.1	0.1	0.1
313	Textile Mills	11.8	0.0	11.7	12.9	12.8
314	Textile Product Mills	25.6	0.0	25.7	15.5	14.5
315	Apparel	18.9	0.0	17.7	27.6	26.6
316	Leather and Allied Products	7.7	0.0	7.5	11.9	11.9
321	Wood Products	9.0	0.0	8.9	5.6	5.4
321113	Sawmills	2.1	0.0	3.2	3.7	3.8
3212	Veneer, Plywood, and Engineered Woods	6.8	0.0	6.8	9.6	9.1
321219	Reconstituted Wood Products	6.1	0.0	5.6	7.2	6.3
3219	Other Wood Products	14.3	0.0	14.1	9.5	9.2
322	Paper	8.1	0.0	7.9	6.7	6.6
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0
322121	Paper Mills, except Newsprint	0.1	0.0	0.1	0.1	0.1
322122	Newsprint Mills	0.0	0.0	0.0	0.0	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	19.0	0.0	19.0	6.9	6.6
324	Petroleum and Coal Products	2.5	0.0	0.0	3.3	3.4
324110	Petroleum Refineries	0.1	0.0	22.9	4.9	4.1
324121	Asphalt Paving Mixture and Block	6.6	0.0	6.7	4.6	4.4
324122	Asphalt Shingle and Coating Materials	4.1	0.0	4.3	7.8	7.8
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	0.0
325	Chemicals	7.3	0.0	7.3	4.1	4.3
325110	Petrochemicals	1.1	0.0	0.6	0.8	0.3
325120	Industrial Gases	9.5	0.0	10.6	8.1	9.6
325180	Other Basic Inorganic Chemicals	7.7	0.0	7.9	10.3	10.7
325193	Ethyl Alcohol	6.2	0.0	4.9	9.2	8.8
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	0.0
325199	Other Basic Organic Chemicals	10.9	0.0	11.9	4.8	6.7
325211	Plastics Materials and Resins	7.7	0.0	7.5	6.9	6.8
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	0.0
325311	Nitrogenous Fertilizers	9.6	0.0	8.9	36.5	36.3
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	4.2	0.0	4.4	8.7	8.7
325412	Pharmaceutical Preparation	2.5	0.0	3.7	16.2	16.3
325992	Photographic Film, Paper, Plate, and Chemicals	0.8	0.0	0.8	2.7	2.5
326	Plastics and Rubber Products	7.6	0.0	7.5	13.0	12.9
327	Nonmetallic Mineral Products	7.6	0.0	7.7	10.1	9.9
327120	Clay Building Material and Refractories	11.0	0.0	11.2	6.9	6.9
327211	Flat Glass	0.0	0.0	0.0	0.0	0.0
327212	Other Pressed and Blown Glass and Glassware	4.5	0.0	4.3	10.4	10.3
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0
327215	Glass Products from Purchased Glass	4.2	0.0	4.2	7.8	7.8
327310	Cements	3.0	0.0	1.8	2.7	2.5
327410	Lime	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	9.5	0.0	8.6	6.9	4.7
327993	Mineral Wool	5.1	0.0	5.5	7.0	6.9
331	Primary Metals	1.2	0.0	1.7	2.1	2.3
331110	Iron and Steel Mills and Ferroalloys	0.7	0.0	0.5	3.1	3.0
3312	Steel Products from Purchased Steel	5.2	0.0	8.3	12.6	13.3
3313	Alumina and Aluminum	2.8	0.0	2.7	1.1	1.1
331314	Secondary Smelting and Alloying of Aluminum	0.1	0.0	0.1	0.1	0.1
331315	Aluminum Sheet, Plate and Foils	6.7	0.0	6.7	3.6	3.6
331318	Other Aluminum Rolling, Drawing and Extruding	1.9	0.0	1.6	4.9	4.8
3314	Nonferrous Metals, except Aluminum	5.0	0.0	5.8	2.9	4.4
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2.0	0.0	0.8	0.7	0.2
3315	Foundries	3.1	0.0	3.0	5.0	4.9
331511	Iron Foundries	4.1	0.0	4.0	6.2	6.2
331523	Nonferrous Metal Die-Casting Foundries	4.1	0.0	4.0	9.6	9.3
331524	Aluminum Foundries, except Die-Casting	5.4	0.0	5.4	10.0	10.0
332	Fabricated Metal Products	9.3	0.0	9.2	6.7	6.6
333	Machinery	7.8	0.0	7.6	6.8	6.7
334	Computer and Electronic Products	6.3	0.0	6.3	7.7	7.5
334413	Semiconductors and Related Devices	4.2	0.0	5.3	9.5	9.3
335	Electrical Equip., Appliances, and Components	10.9	0.0	10.9	10.3	10.2
336	Transportation Equipment	7.5	0.0	7.6	9.1	9.1
336111	Automobiles	0.0	0.0	0.0	0.0	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	0.0
3364	Aerospace Product and Parts	15.6	0.0	16.3	15.4	15.9
336411	Aircraft	33.0	0.0	33.7	38.7	39.2
337	Furniture and Related Products	13.0	0.0	12.9	7.7	7.4
339	Miscellaneous	9.9	0.0	9.7	9.1	8.9
	Total	2.2	0.0	2.2	1.9	1.9

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NA=Not available.

X=Not defined because RSE corresponds to a value of zero.

-- Estimation is not applicable.

Notes: Totals may not equal sum of components because of independent rounding.

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