

Table 9.1 Enclosed floorspace and number of establishment buildings, 2022

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 square feet) | Establishments ^b (counts) | Average enclosed floorspace per establishment (square feet) | Approximate number of all buildings onsite (counts) | Average number of buildings onsite per establishment (counts) |
|----------------------------|---|---|--------------------------------------|---|---|---|
| Total United States | | | | | | |
| 311 | Food | 1,115 | 18,379 | 68,248.2 | 26,707 | 1.6 |
| 3112 | Grain and Oilseed Milling | 124 | 661 | 202,321.6 | 4,544 | 7.1 |
| 311221 | Wet Corn Milling and Starch Manufacturing | 17 | 55 | 307,675.0 | 1,104 | 20.1 |
| 31131 | Sugar Manufacturing | 47 | 64 | 737,265.7 | 1,110 | 17.7 |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | 176 | 1,109 | 172,052.1 | 3,404 | 3.3 |
| 3115 | Dairy Product Manufacturing | 155 | 1,087 | 148,029.0 | 2,997 | 2.8 |
| 3116 | Animal Slaughtering and Processing | 254 | 2,022 | 142,289.6 | 4,576 | 2.5 |
| 312 | Beverage and Tobacco Products | 360 | 5,990 | 65,584.7 | 11,424 | 2.0 |
| 3121 | Beverages | 334 | 5,906 | 61,857.2 | 11,148 | 2.0 |
| 3122 | Tobacco | 26 | 84 | 305,521.7 | 276 | 3.3 |
| 313 | Textile Mills | 123 | 1,096 | 124,129.8 | 2,042 | 2.0 |
| 314 | Textile Product Mills | 142 | 3,638 | 41,316.3 | 4,519 | 1.3 |
| 315 | Apparel | 38 | 3,236 | 12,924.5 | 3,364 | 1.2 |
| 316 | Leather and Allied Products | 19 | 636 | 30,641.4 | 1,169 | 1.8 |
| 321 | Wood Products | 537 | 9,957 | 63,181.7 | 25,904 | 2.9 |
| 321113 | Sawmills | 128 | 1,976 | 74,166.9 | 8,536 | 4.7 |
| 3212 | Veneer, Plywood, and Engineered Wood Product Manufacturing | 122 | 1,173 | 132,918.8 | 3,460 | 3.6 |
| 321219 | Reconstituted Wood Products | 41 | 119 | 343,564.3 | 631 | 5.4 |
| 3219 | Other Wood Products | 260 | 6,531 | 46,238.0 | 10,993 | 1.9 |
| 322 | Paper | 680 | 3,057 | 233,351.8 | 11,470 | 3.9 |
| 322110 | Pulp Mills | 25 | 33 | 898,140.3 | 1,041 | 34.9 |
| 322120 | Paper Mills | 141 | 138 | 1,051,412.1 | 2,759 | 20.6 |
| 322130 | Paperboard Mills | 69 | 164 | 443,445.0 | 2,772 | 17.6 |
| 323 | Printing and Related Support | 335 | 12,389 | 28,464.5 | 10,776 | 0.9 |
| 324 | Petroleum and Coal Products | 133 | 1,814 | 82,353.7 | 12,941 | 7.7 |
| 324110 | Petroleum Refineries | 69 | 131 | 552,481.9 | 7,373 | 56.8 |
| 324121 | Asphalt Paving Mixture and Block | 17 | 1,276 | 15,094.8 | 3,397 | 2.9 |
| 324122 | Asphalt Shingle and Coating Materials | 20 | 142 | 144,596.4 | 663 | 4.7 |
| 324191 | Petroleum Lubricating Oil and Grease Manufacturing | 22 | 215 | 105,008.3 | 704 | 3.4 |
| 324199 | All Other Petroleum and Coal Products Manufacturing | 6 | 50 | 130,409.7 | 804 | 18.8 |
| 325 | Chemicals | 1,124 | 10,044 | 127,191.3 | 52,196 | 5.6 |
| 325110 | Petrochemicals | 8 | 60 | 132,315.7 | 1,605 | 26.8 |
| 325120 | Industrial Gases | 13 | 612 | 32,512.4 | 1,070 | 2.6 |
| 325180 | Other Basic Inorganic Chemical Manufacturing | 68 | 587 | 151,451.3 | 5,736 | 10.1 |
| 325193 | Ethyl Alcohol | 24 | 207 | 131,855.3 | 1,609 | 7.9 |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | 12 | 62 | 196,436.7 | 1,607 | 26.9 |
| 325199 | All Other Basic Organic Chemical Manufacturing | 94 | 590 | 172,156.4 | 8,588 | 15.2 |
| 325211 | Plastics Materials and Resins | 144 | 1,037 | 146,085.9 | 5,983 | 5.9 |
| 325212 | Synthetic Rubber | 13 | 98 | 133,830.1 | 749 | 7.9 |
| 325220 | Artificial and Synthetic Fibers and Filaments | 44 | 88 | 513,479.5 | 503 | 5.8 |
| 325311 | Nitrogenous Fertilizers | 10 | 161 | 73,266.5 | 1,389 | 9.7 |
| 325312 | Phosphatic Fertilizers | 6 | 79 | 83,622.6 | 760 | 9.9 |
| 3254 | Pharmaceuticals and Medicines | 267 | 1,471 | 202,800.6 | 6,490 | 4.8 |
| 325412 | Pharmaceutical Preparation | 134 | 687 | 233,863.3 | 3,052 | 5.0 |
| 325992 | Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing | 26 | 69 | 389,416.7 | 296 | 4.4 |
| 326 | Plastics and Rubber Products | 962 | 8,490 | 125,987.9 | 15,669 | 1.9 |
| 327 | Nonmetallic Mineral Products | 521 | 12,292 | 49,879.7 | 25,707 | 2.3 |
| 327120 | Clay Building Material and Refractories | 50 | 364 | 143,083.6 | 1,541 | 4.4 |
| 327211 | Flat Glass | 30 | 93 | 331,945.7 | 206 | 2.3 |
| 327212 | Other Pressed and Blown Glass and Glassware | 18 | 156 | 114,795.8 | 412 | 2.7 |
| 327213 | Glass Containers | 28 | 54 | 520,107.5 | 240 | 4.4 |
| 327215 | Glass Products from Purchased Glass | 65 | 599 | 114,637.8 | 981 | 1.7 |
| 327310 | Cements | 18 | 159 | 136,518.1 | 1,755 | 12.3 |
| 327410 | Lime | 5 | 95 | 59,116.2 | 731 | 8.9 |
| 327420 | Gypsum | 31 | 126 | 263,451.7 | 395 | 3.3 |
| 327993 | Mineral Wool | 48 | 185 | 262,662.0 | 515 | 2.8 |
| 331 | Primary Metals | 669 | 2,679 | 268,642.4 | 14,711 | 5.8 |
| 331110 | Iron and Steel Mills and Ferroalloys | 180 | 165 | 1,133,381.9 | 4,351 | 27.4 |
| 3312 | Steel Products from Purchased Steel | 118 | 564 | 249,474.5 | 1,404 | 2.8 |
| 3313 | Alumina and Aluminum Production and Processing | 166 | 353 | 482,310.4 | 3,201 | 9.2 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 18 | 90 | 199,946.3 | 435 | 4.8 |
| 331315 | Aluminum Sheet, Plate and Foils | 60 | 67 | 933,519.3 | 520 | 7.8 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | 44 | 182 | 246,768.0 | 546 | 3.0 |
| 3314 | Nonferrous Metal (except Aluminum) Production and Processing | 85 | 519 | 175,504.4 | 2,700 | 5.4 |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | 16 | 74 | 226,335.3 | 895 | 12.5 |
| 3315 | Foundries | 120 | 1,078 | 116,759.2 | 3,055 | 2.9 |
| 331511 | Iron Foundries | 40 | 259 | 158,987.8 | 1,158 | 4.6 |
| 331523 | Nonferrous Metal Die-Casting Foundries | 27 | 217 | 127,972.7 | 444 | 2.1 |
| 331524 | Aluminum Foundries, except Die-Casting | 12 | 247 | 52,416.8 | 419 | 1.8 |
| 332 | Fabricated Metal Products | 1,767 | 38,253 | 50,200.9 | 62,514 | 1.7 |
| 333 | Machinery | 1,018 | 14,061 | 81,408.6 | 26,488 | 2.0 |
| 334 | Computer and Electronic Products | 448 | 6,625 | 73,077.9 | 11,303 | 1.8 |
| 334413 | Semiconductors and Related Devices | 90 | 375 | 239,000.0 | 940 | 2.5 |
| 335 | Electrical Equipment, Appliances, and Components | 307 | 3,301 | 106,721.4 | 4,451 | 1.6 |
| 336 | Transportation Equipment | 1,408 | 7,600 | 200,797.6 | 20,534 | 2.9 |
| 336110 | Automobile and Light Duty Motor Vehicle Manufacturing | 229 | 210 | 1,119,391.0 | 887 | 4.3 |
| 3364 | Aerospace Product and Parts | 365 | 1,227 | 310,593.2 | 7,878 | 6.6 |
| 336411 | Aircraft | 133 | 286 | Q | 3,700 | 12.9 |
| 337 | Furniture and Related Products | 337 | 8,523 | 42,844.8 | 10,771 | 1.3 |
| 339 | Miscellaneous | 345 | 13,055 | 29,091.7 | 12,573 | 1.0 |
| | Total | 12,387 | 185,115 | 73,966.6 | 367,231 | 2.1 |

Data source: U.S. Energy Information Administration, Office of Energy Demand & Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey

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

^a The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

^b The establishments (counts) is the total number of manufacturing establishments in the frame minus the number of ineligible establishments for post stratification. 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 by the corresponding entry in the average enclosed floorspace. For example, in the total row, (12,387 million square feet) divided by (73,966.6 square feet) equals 167,467, which is the number of reporting establishments (weighted) of the 185,115 total establishments.

* Estimate less than 0.5

D=Withheld to avoid disclosing data for individual establishments

Q=Withheld because relative standard error (RSE) is greater than 50%

NA=Not available

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).

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 Next MECS will be fielded in 2027

RSE Table 9.1 Relative standard errors for Table 9.1

Unit: Percentage

| NAICS code ^a | Subsector and industry | Approximate enclosed floorspace of all buildings onsite | Establishments ^b | Average enclosed floorspace per establishment | Approximate number of all buildings onsite | Average number of buildings onsite per establishment |
|----------------------------|---|---|-----------------------------|---|--|--|
| Total United States | | | | | | |
| 311 | Food | 6.0 | 0.0 | 7.4 | 4.4 | 5.1 |
| 3112 | Grain and Oilseed Milling | 8.1 | 0.0 | 6.5 | 5.1 | 6.4 |
| 311221 | Wet Corn Milling and Starch Manufacturing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31131 | Sugar Manufacturing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | 4.5 | 0.0 | 13.3 | 8.7 | 11.0 |
| 3115 | Dairy Product Manufacturing | 5.6 | 0.0 | 10.6 | 10.8 | 7.1 |
| 3116 | Animal Slaughtering and Processing | 19.1 | 0.0 | 19.9 | 5.2 | 5.5 |
| 312 | Beverage and Tobacco Products | 6.8 | 0.0 | 8.1 | 7.6 | 6.0 |
| 3121 | Beverages | 7.3 | 0.0 | 8.5 | 7.8 | 6.1 |
| 3122 | Tobacco | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 313 | Textile Mills | 9.5 | 0.0 | 19.0 | 14.1 | 8.4 |
| 314 | Textile Product Mills | 19.0 | 0.0 | 25.2 | 19.8 | 9.6 |
| 315 | Apparel | 15.4 | 0.0 | 21.1 | 23.4 | 14.1 |
| 316 | Leather and Allied Products | 11.3 | 0.0 | 25.7 | 25.8 | 17.3 |
| 321 | Wood Products | 5.8 | 0.0 | 6.8 | 5.5 | 5.8 |
| 321113 | Sawmills | 8.0 | 0.0 | 10.2 | 4.5 | 6.2 |
| 3212 | Veneer, Plywood, and Engineered Wood Product Manufacturing | 13.1 | 0.0 | 11.8 | 11.4 | 9.3 |
| 321219 | Reconstituted Wood Products | 30.4 | 0.0 | 15.3 | 10.8 | 9.9 |
| 3219 | Other Wood Products | 9.1 | 0.0 | 9.7 | 9.4 | 8.0 |
| 322 | Paper | 7.5 | 0.0 | 10.0 | 4.9 | 8.6 |
| 322110 | Pulp Mills | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 322120 | Paper 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 | 10.3 | 0.0 | 10.4 | 10.2 | 7.3 |
| 324 | Petroleum and Coal Products | 1.2 | 0.0 | 2.3 | 2.0 | 2.8 |
| 324110 | Petroleum Refineries | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 324121 | Asphalt Paving Mixture and Block | 6.9 | 0.0 | 5.8 | 7.5 | 7.0 |
| 324122 | Asphalt Shingle and Coating Materials | 2.9 | 0.0 | 12.2 | 9.7 | 4.0 |
| 324191 | Petroleum Lubricating Oil and Grease Manufacturing | 4.5 | 0.0 | 6.2 | 4.9 | 5.8 |
| 324199 | All Other Petroleum and Coal Products Manufacturing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 325 | Chemicals | 7.2 | 0.0 | 6.9 | 4.6 | 5.8 |
| 325110 | Petrochemicals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 325120 | Industrial Gases | 7.3 | 0.0 | 30.5 | 18.2 | 16.1 |
| 325180 | Other Basic Inorganic Chemical Manufacturing | 16.7 | 0.0 | 11.3 | 10.8 | 23.6 |
| 325193 | Ethyl Alcohol | 6.1 | 0.0 | 5.0 | 3.8 | 2.1 |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 325199 | All Other Basic Organic Chemical Manufacturing | 8.4 | 0.0 | 12.0 | 6.7 | 13.1 |
| 325211 | Plastics Materials and Resins | 11.8 | 0.0 | 16.5 | 10.8 | 17.9 |
| 325212 | Synthetic Rubber | 3.2 | 0.0 | 39.9 | 9.0 | 31.5 |
| 325220 | Artificial and Synthetic Fibers and Filaments | 3.7 | 0.0 | 3.3 | 2.9 | 4.2 |
| 325311 | Nitrogenous Fertilizers | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 325312 | Phosphatic Fertilizers | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3254 | Pharmaceuticals and Medicines | 6.7 | 0.0 | 10.9 | 9.4 | 10.1 |
| 325412 | Pharmaceutical Preparation | 8.5 | 0.0 | 14.5 | 15.9 | 14.5 |
| 325992 | Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 326 | Plastics and Rubber Products | 14.1 | 0.0 | 13.8 | 8.0 | 6.5 |
| 327 | Nonmetallic Mineral Products | 9.1 | 0.0 | 9.9 | 8.8 | 7.0 |
| 327120 | Clay Building Material and Refractories | 7.4 | 0.0 | 9.9 | 6.1 | 10.9 |
| 327211 | Flat Glass | 1.5 | 0.0 | 3.3 | 2.7 | 2.4 |
| 327212 | Other Pressed and Blown Glass and Glassware | 2.1 | 0.0 | 26.8 | 8.4 | 18.9 |
| 327213 | Glass Containers | 0.0 | 0.0 | 0.0 | 0.5 | 0.6 |
| 327215 | Glass Products from Purchased Glass | 4.6 | 0.0 | 11.1 | 9.6 | 4.7 |
| 327310 | Cements | 4.2 | 0.0 | 22.4 | 4.0 | 16.8 |
| 327410 | Lime | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 327420 | Gypsum | 7.1 | 0.0 | 6.3 | 3.8 | 8.2 |
| 327993 | Mineral Wool | 23.6 | 0.0 | 36.6 | 14.6 | 16.2 |
| 331 | Primary Metals | 1.5 | 0.0 | 2.9 | 1.6 | 2.3 |
| 331110 | Iron and Steel Mills and Ferroalloys | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3312 | Steel Products from Purchased Steel | 4.0 | 0.0 | 5.7 | 3.2 | 5.6 |
| 3313 | Alumina and Aluminum Production and Processing | 2.7 | 0.0 | 3.6 | 1.2 | 4.4 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 331315 | Aluminum Sheet, Plate and Folds | 7.3 | 0.0 | 23.1 | 7.0 | 21.7 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | 1.9 | 0.0 | 5.6 | 1.9 | 4.1 |
| 3314 | Nonferrous Metal (except Aluminum) Production and Processing | 3.1 | 0.0 | 9.1 | 4.4 | 5.8 |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | 7.9 | 0.0 | 15.9 | 4.9 | 19.6 |
| 3315 | Foundries | 6.4 | 0.0 | 6.7 | 6.5 | 5.0 |
| 331511 | Iron Foundries | 10.7 | 0.0 | 9.2 | 15.1 | 11.2 |
| 331523 | Nonferrous Metal Die-Casting Foundries | 2.7 | 0.0 | 4.5 | 6.1 | 2.6 |
| 331524 | Aluminum Foundries, except Die-Casting | 3.5 | 0.0 | 6.8 | 7.5 | 7.2 |
| 332 | Fabricated Metal Products | 10.0 | 0.0 | 9.4 | 6.8 | 5.4 |
| 333 | Machinery | 10.1 | 0.0 | 9.9 | 9.6 | 8.2 |
| 334 | Computer and Electronic Products | 9.3 | 0.0 | 9.4 | 13.2 | 12.2 |
| 334413 | Semiconductors and Related Devices | 4.1 | 0.0 | 15.1 | 8.0 | 10.3 |
| 335 | Electrical Equipment, Appliances, and Components | 12.2 | 0.0 | 14.7 | 13.1 | 8.3 |
| 336 | Transportation Equipment | 7.3 | 0.0 | 9.4 | 8.5 | 7.8 |
| 336110 | Automobile and Light Duty Motor Vehicle Manufacturing | 8.3 | 0.0 | 31.9 | 3.6 | 34.7 |
| 3364 | Aerospace Product and Parts | 7.3 | 0.0 | 13.1 | 14.5 | 9.9 |
| 336411 | Aircraft | 9.1 | 0.0 | 58.5 | 28.9 | 33.2 |
| 337 | Furniture and Related Products | 11.8 | 0.0 | 12.3 | 9.8 | 6.6 |
| 339 | Miscellaneous | 11.1 | 0.0 | 11.3 | 8.0 | 5.1 |
| | Total | 2.5 | 0.0 | 2.6 | 1.9 | 1.7 |

Data source: U.S. Energy Information Administration, Office of Energy Demand & Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey
 Note: Totals may not equal sum of components because of independent rounding.

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* Estimate less than 0.5

D=Withheld to avoid disclosing data for individual establishments

Q=Withheld because relative standard error (RSE) is greater than 50%

NA=Not available

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

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).