Table 3.4 Number of Establishments by Fuel Consumption, 2018;

Level: National Data;

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

| | | Any Energy | Net Electricity(c) | Residual Fuel Oil | Distillate Fuel Oil(d) | Natural Gas(e) | HGL (excluding | Coke and | | |
|-------------|--|--------------------|-----------------------|----------------------|---------------------------|-------------------|----------------------|----------|----------------|----------|
| NAICS Code(|) Subsector and Industry | Source(b) | | | | | natural gasoline)(f) | Coal | Breeze | Other(g) |
| | | Total United State | • | | | | | | | |
| 311 | Food | 15,842 | 15,800 | 16 | 1,760 | 12,659 | 3,166 | 27 | 9 | 1,493 |
| 3112 | Grain and Oilseed Milling | 611 | 611 | 6 | 132 | 508 | 146 | 11 | | 106 |
| 311221 | Wet Corn Milling | 52 | 52 | 0 | 22 | 46 | 28 | 4 | | 24 |
| 31131 | Sugar Manufacturing | 70 | 70 | D | 23 | 61 | 21 | 17 | 9 | 29 |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | 1,047 | 1,047 | D | 163 | 880 | 323 | <u>-</u> | | 110 |
| 3115 | Dairy Product | 1,036 | 1,036 | 4 | 166 | 875 | 231 | 0 | | 103 |
| 3116 | Animal Slaughtering and Processing | 1,842 | 1,842 | D | 282 | 1,500 | 353 | | | 162 |
| 312 | Beverage and Tobacco Products | 3,938 | 3,938 | 5 | 374 | 1,768 | 2,106 | 3 | | 416 |
| 3121 | Beverages | 3,853 | 3,853 | D | 354 | 1,716 | 2,079 | 3 | | 410 |
| 3122 | Tobacco | 85 | 85 | D | 20 | 52 | 27 | 0 | - 0 | 7 |
| 313 | Textile Mills | 1,352 | 1.352 | | 181 | 818 | 516 | 10 | | 73 |
| 314 | Textile Product Mills | 4,116 | 4,116 | 0 | Q | 2,016 | 799 | D | | ,,, Q |
| 315 | Apparel | 3,856 | 3,856 | 0 | D | 1,054 | | Q | | Q |
| 316 | Leather and Allied Products | 655 | 655 | 0 | D | 281 | 152 | 0 | 0 | 7 |
| 321 | Wood Products | 9,433 | 9,229 | 15 | 2,167 | 4,528 | 4,391 | Q | 0 | 1,911 |
| 321113 | Sawmills | 1,787 | 1,782 | D | 850 | 410 | 461 | 0 | <u>0</u> | 595 |
| 321113 | Veneer, Plywood, and Engineered Woods | 1,083 | 1,079 | D | 269 | 794 | 470 | Q | 0 | 175 |
| 321219 | Reconstituted Wood Products | 158 | 158 | D | 77 | 127 | 79 | 0 | 0 | 61 |
| 321219 | Other Wood Products | 6,284 | 6,089 | Q | 948 | 3,156 | 3,366 | Q | 0 | 1,105 |
| 3219 | | 3,009 | 3,009 | 47 | | 2,534 | | 37 | 0 | 274 |
| 322110 | Paper Pulp Mills | 3,009 | 3,009 | 47 D | 246 18 | 2,534 | 1,543 18 | 37 D | <u>0</u> | 274 |
| 322110 | Paper Mills, except Newsprint | 156 | | 20 | | 145 | 91 | 23 | | 78 |
| | | | 156 | | 71 | | · | | 0 | |
| 322122 | Newsprint Mills | 11 | 11 | 0 | 9 | 9 | 10 90 | 0 | 0 | 10 |
| 322130 | Paperboard Mills | 143 | 143 | 17 | 77 | 136 | | 10 | 0 | 78 |
| 323 | Printing and Related Support | 12,614 | 12,614 | D | 402 | 8,297 | 1,689 | 0 | 0 | 298 |
| 324 | Petroleum and Coal Products | 1,883 | 1,880 | 47 | 775 | 1,171 | 435 | D | 0 | 336 |
| 324110 | Petroleum Refineries | 136 | 136 | 5 | 72 | 128 | 51 | 0 | 0 | 128 |
| 324121 | Asphalt Paving Mixture and Block | 1,289 | 1,288 | 42 | 568 | 704 | 192 | D | 0 | 135 |
| 324122 | Asphalt Shingle and Coating Materials | 168 | 168 | 0 | 35 | 156 | 98 | 0 | 0 | 15 |
| 324191 | Petroleum Lubricating Oil and Grease Products | 211 | 211 | 0 | 61 | 127 | 71 | 0 | 0 | 27 |
| 324199 | Other Petroleum and Coal Products | 79 | 78 | 0 | 39 | 56 | 23 | 0 | 0 | 31 |
| 325 | Chemicals | 8,901 | 8,872 | 9 | 1,369 | 7,048 | 3,937 | 26 | D | 1,327 |
| 325110 | Petrochemicals | 66 | 66 | 0 | 31 | 48 | 30 | 0 | 0 | 33 |
| 325120 | Industrial Gases | 525 | 525 | 0 | 3 | 236 | 111 | 0 | 0 | Q |
| 325180 | Other Basic Inorganic Chemicals | 501 | 501 | 0 | 117 | 410 | 221 | 4 | D | 163 |
| 325193 | Ethyl Alcohol | 207 | 207 | 0 | 103 | 198 | 72 | 3 | 0 | 87 |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | 61 | 61 | 0 | 18 | 56 | 20 | 0 | 0 | 45 |
| 325199 | Other Basic Organic Chemicals | 524 | 524 | 3 | 159 | 457 | 180 | Q | 0 | 178 |
| 325211 | Plastics Materials and Resins | 813 | 813 | 0 | 173 | 665 | 538 | D | 0 | 175 |
| 325212 | Synthetic Rubber | 87 | 87 | 0 | 17 | 76 | 37 | D | 0 | 27 |

| 325220 | Artificial and Synthetic Fibers and Filaments | 99 | 99 | 0 | 12 | 82 | 56 | D | 0 | 8 |
|--------|--|---------|---------|-----|--------|---------|--------|-----|----|--------|
| 325311 | Nitrogenous Fertilizers | 148 | 148 | 0 | 100 | 135 | 92 | 0 | 0 | 25 |
| 325312 | Phosphatic Fertilizers | 55 | 55 | D | 18 | 29 | 21 | D | 0 | 15 |
| 3254 | Pharmaceuticals and Medicines | 1,326 | 1,297 | 0 | 198 | 1,030 | 220 | D | 0 | 110 |
| 325412 | Pharmaceutical Preparation | 716 | 687 | 0 | 99 | 524 | 104 | D | 0 | 42 |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | 108 | 108 | D | 14 | 86 | 23 | 0 | 0 | 14 |
| 326 | Plastics and Rubber Products | 8,317 | 8,317 | 3 | 763 | 5,457 | 3,441 | 0 | 0 | 651 |
| 327 | Nonmetallic Mineral Products | 12,035 | 12,035 | Q | 4,014 | 7,002 | 3,241 | 139 | D | 1,670 |
| 327120 | Clay Building Material and Refractories | 415 | 415 | 0 | 132 | 361 | 181 | 4 | 0 | 66 |
| 327211 | Flat Glass | 60 | 60 | 0 | 14 | 40 | 23 | 0 | 0 | 10 |
| 327212 | Other Pressed and Blown Glass and Glassware | 164 | 164 | 0 | 32 | 148 | 83 | 0 | 0 | 18 |
| 327213 | Glass Containers | 57 | 57 | 0 | 19 | 56 | 21 | 0 | 0 | 15 |
| 327215 | Glass Products from Purchased Glass | 686 | 686 | 0 | 62 | 519 | 225 | 0 | 0 | 40 |
| 327310 | Cements | 187 | 187 | 0 | 70 | 91 | 49 | 82 | 6 | 96 |
| 327410 | Lime | 86 | 86 | 0 | 47 | 48 | 19 | 48 | 5 | 38 |
| 327420 | Gypsum | 148 | 148 | 0 | 87 | 134 | 87 | 0 | 0 | 12 |
| 327993 | Mineral Wool | 191 | 191 | 0 | 24 | 163 | 92 | D | D | 15 |
| 331 | Primary Metals | 3,226 | 3,226 | D | 625 | 2,797 | 2,086 | 22 | 69 | 586 |
| 331110 | Iron and Steel Mills and Ferroalloys | 390 | 390 | D | 158 | 334 | 229 | 17 | 30 | 144 |
| 3312 | Steel Products from Purchased Steel | 498 | 498 | 0 | 113 | 424 | 354 | D | 4 | 134 |
| 3313 | Alumina and Aluminum | 399 | 399 | 0 | 102 | 354 | 239 | 0 | 0 | 71 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 109 | 109 | 0 | 37 | 97 | 68 | 0 | 0 | 15 |
| 331315 | Aluminum Sheet, Plate and Foils | 65 | 65 | 0 | 30 | 62 | 37 | 0 | 0 | 18 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | 191 | 191 | 0 | 27 | 162 | 123 | 0 | 0 | 31 |
| 3314 | Nonferrous Metals, except Aluminum | 651 | 651 | 0 | 55 | 564 | 363 | 0 | 10 | 55 |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | 107 | 107 | 0 | 14 | 89 | 75 | 0 | D | 15 |
| 3315 | Foundries | 1,288 | 1,288 | Q | 196 | 1,121 | 902 | D | 25 | 182 |
| 331511 | Iron Foundries | 373 | 373 | 0 | 83 | 326 | 305 | D | 25 | 58 |
| 331523 | Nonferrous Metal Die-Casting Foundries | 257 | 257 | Q | 34 | 250 | 192 | 0 | 0 | 36 |
| 331524 | Aluminum Foundries, except Die-Casting | 277 | 277 | 0 | 18 | 194 | 173 | 0 | 0 | 20 |
| 332 | Fabricated Metal Products | 37,949 | 37,949 | 0 | 2,095 | 22,655 | 14,355 | Q | 0 | 4,422 |
| 333 | Machinery | 14,919 | 14,919 | Q | 1,411 | 9,780 | 5,318 | Q | 0 | 1,643 |
| 334 | Computer and Electronic Products | 6,646 | 6,646 | 3 | 152 | 3,678 | 804 | 0 | 0 | 198 |
| 334413 | Semiconductors and Related Devices | 344 | 344 | D | 65 | 126 | 25 | 0 | 0 | 32 |
| 335 | Electrical Equip., Appliances, and Components | 3,295 | 3,295 | D | 275 | 2,119 | 902 | 0 | 0 | 294 |
| 336 | Transportation Equipment | 7,032 | 7,032 | 14 | 986 | 4,396 | 2,497 | 0 | D | 926 |
| 336111 | Automobiles | 71 | 71 | 0 | 21 | 59 | 26 | 0 | 0 | 27 |
| 336112 | Light Trucks and Utility Vehicles | 69 | 69 | 0 | 21 | 51 | 33 | 0 | 0 | 25 |
| 3364 | Aerospace Product and Parts | 1,199 | 1,199 | D | 150 | 763 | 349 | 0 | 0 | 182 |
| 336411 | Aircraft | 347 | 347 | 0 | 38 | 216 | 103 | 0 | 0 | 55 |
| 337 | Furniture and Related Products | 8,347 | 8,201 | 0 | 359 | 4,276 | 2,642 | D | 0 | 466 |
| 339 | Miscellaneous | 13,589 | 13,589 | 0 | 583 | 6,744 | 2,591 | Q | 0 | 555 |
| | Total | 180,953 | 180,529 | 280 | 18,705 | 111,078 | 56,946 | 983 | 98 | 17,706 |

⁽a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS).

⁽b) Any 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 2018

⁽c) 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).

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

⁽e) 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.

⁽f) 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).

⁽g) 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.

D=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, 2018 Manufacturing Energy Consumption Survey.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).

RSE Table 3.4 Relative Standard Errors for Table 3.4;

Unit: Percents.

| NAICS Code(a |) Subsector and Industry | Any Energy Source(b) | Net Electricity(c) | Residual Fuel Oil | Distillate Fuel Oil(d) | Natural Gas(e) | HGL (excluding natural gasoline)(f) | Coal | Coke and Breeze | Other(g) |
|--------------|--|-------------------------|-----------------------|----------------------|---------------------------|-------------------|-------------------------------------|------|--------------------|----------|
| | | Total United Sta | tes | | | | | | | |
| 311 | Food | 0.0 | 0.1 | 5.4 | 3.9 | 1.6 | 4.1 | 0.3 | 0.0 | 3.9 |
| 3112 | Grain and Oilseed Milling | 0.0 | 0.0 | 34.8 | 4.7 | 2.9 | 4.7 | 1.0 | X | 4.6 |
| 311221 | Wet Corn Milling | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | 0.0 | X | 0.0 |
| 31131 | Sugar Manufacturing | 0.0 | 0.0 | D | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | 0.0 | 0.0 | D | 14.9 | 5.8 | 14.7 | Х | Х | 18.1 |
| 3115 | Dairy Product | 0.0 | 0.0 | 46.1 | 19.9 | 4.9 | 15.4 | Х | Х | 32.3 |
| 3116 | Animal Slaughtering and Processing | 0.0 | 0.0 | D | 14.9 | 4.6 | 17.3 | Х | X | 21.4 |
| 312 | Beverage and Tobacco Products | 0.0 | 0.0 | 0.0 | 6.7 | 3.5 | 4.5 | 0.0 | Х | 13.1 |
| 3121 | Beverages | 0.0 | 0.0 | D | 23.9 | 8.3 | 7.1 | 0.0 | Х | 22.7 |
| 3122 | Tobacco | 0.0 | 0.0 | D | 0.0 | 0.0 | 0.0 | Х | X | 0.0 |
| 313 | Textile Mills | 0.5 | 0.5 | 62.7 | 28.4 | 9.3 | 14.3 | 42.4 | Х | 38.4 |
| 314 | Textile Product Mills | 0.0 | 0.0 | X | 71.0 | 19.9 | 38.8 | D | X | 82.0 |
| 315 | Apparel | 0.0 | 0.0 | X | D | 32.5 | 64.2 | 96.7 | X | 99.5 |
| 316 | Leather and Allied Products | 0.0 | 0.0 | Х | D | 19.9 | 29.5 | Х | Х | 19.9 |
| 321 | Wood Products | 0.0 | 0.4 | 29.8 | 8.5 | 4.5 | 7.2 | 53.8 | Х | 7.9 |
| 321113 | Sawmills | 0.0 | 0.0 | D | 7.3 | 11.1 | 9.1 | Х | X | 8.1 |
| 3212 | Veneer, Plywood, and Engineered Woods | 0.0 | 0.2 | D | 16.5 | 5.5 | 13.2 | 80.8 | Х | 15.0 |
| 321219 | Reconstituted Wood Products | 0.0 | 0.0 | D | 22.1 | 7.9 | 21.5 | Х | Х | 19.3 |
| 3219 | Other Wood Products | 0.0 | 1.8 | 86.4 | 17.9 | 9.2 | 8.6 | 70.6 | Х | 18.6 |
| 322 | Paper | 0.0 | 0.0 | 0.0 | 0.5 | 1.2 | 1.9 | 0.0 | Х | 0.7 |
| 322110 | Pulp Mills | 0.0 | 0.0 | D | 0.0 | 0.0 | 0.0 | D | Х | 0.0 |
| 322121 | Paper Mills, except Newsprint | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Х | 0.0 |
| 322122 | Newsprint Mills | 0.0 | 0.0 | Х | 0.0 | 0.0 | 0.0 | Х | X | 0.0 |
| 322130 | Paperboard Mills | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Х | 0.0 |
| 323 | Printing and Related Support | 0.0 | 0.0 | D | 39.8 | 5.6 | 18.5 | Х | Х | 42.3 |
| 324 | Petroleum and Coal Products | 0.0 | 0.0 | 10.4 | 4.2 | 2.5 | 5.3 | D | X | 3.4 |
| 324110 | Petroleum Refineries | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Х | Х | 0.0 |
| 324121 | Asphalt Paving Mixture and Block | 0.0 | 0.0 | 22.9 | 6.4 | 5.5 | 16.9 | D | Х | 17.8 |
| 324122 | Asphalt Shingle and Coating Materials | 0.0 | 0.0 | Х | 12.3 | 1.4 | 9.8 | Х | X | 12.8 |
| 324191 | Petroleum Lubricating Oil and Grease Products | 0.0 | 0.0 | Х | 25.3 | 14.4 | 19.7 | Х | Х | 40.8 |
| 324199 | Other Petroleum and Coal Products | 0.0 | 0.0 | Х | 0.0 | 0.0 | 0.0 | Х | Х | 0.0 |
| 325 | Chemicals | 0.0 | 0.3 | 5.5 | 4.6 | 1.5 | 4.1 | 12.7 | D | 3.7 |
| 325110 | Petrochemicals | 0.0 | 0.0 | Х | 0.0 | 0.0 | 0.0 | Х | Х | 0.0 |
| 325120 | Industrial Gases | 0.0 | 0.0 | Х | 12.1 | 16.8 | 40.7 | Х | Х | 67.4 |
| 325180 | Other Basic Inorganic Chemicals | 0.0 | 0.0 | Х | 17.1 | 7.9 | 14.9 | 9.4 | D | 17.5 |
| 325193 | Ethyl Alcohol | 0.0 | 0.0 | Х | 6.0 | 1.1 | 7.7 | 4.1 | Х | 7.7 |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | 0.0 | 0.0 | Х | 0.0 | 0.0 | 0.0 | Х | Х | 0.0 |
| 325199 | Other Basic Organic Chemicals | 0.0 | 0.0 | 8.8 | 12.5 | 3.1 | 15.2 | 53.2 | X | 13.0 |
| 325211 | Plastics Materials and Resins | 0.0 | 0.0 | Х | 18.2 | 6.2 | 7.3 | D | Х | 16.3 |
| 325212 | Synthetic Rubber | 0.0 | 0.0 | Х | 0.0 | 0.0 | 0.0 | D | Х | 0.0 |
| 325220 | Artificial and Synthetic Fibers and Filaments | 0.0 | 0.0 | Х | 0.0 | 0.0 | 0.0 | D | Х | 0.0 |
| 325311 | Nitrogenous Fertilizers | 0.0 | 0.0 | Х | 22.6 | 4.6 | 27.4 | Х | Х | 46.2 |
| 325312 | Phosphatic Fertilizers | 0.0 | 0.0 | D | 0.0 | 0.0 | 0.0 | D | X | 0.0 |
| 3254 | Pharmaceuticals and Medicines | 0.0 | 2.0 | Х | 15.0 | 6.0 | 21.0 | D | X | 27.8 |
| 325412 | Pharmaceutical Preparation | 0.0 | 4.0 | X | 16.8 | 9.3 | 32.8 | D | X | 14.3 |

| 325992 | Photographic Film, Paper, Plate, and Chemicals | 0.0 | 0.0 | D | 22.3 | 10.7 | 27.2 | Χ | X | 18.8 |
|--------|--|-----|-----|------|------|------|------|------|------|------|
| 326 | Plastics and Rubber Products | 0.0 | 0.0 | 0.0 | 24.9 | 6.2 | 10.0 | Х | X | 26.7 |
| 327 | Nonmetallic Mineral Products | 0.0 | 0.0 | 97.5 | 5.1 | 1.8 | 6.0 | 6.9 | D | 5.3 |
| 327120 | Clay Building Material and Refractories | 0.0 | 0.0 | X | 15.0 | 5.8 | 12.0 | 8.6 | X | 13.2 |
| 327211 | Flat Glass | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | Х | X | 0.0 |
| 327212 | Other Pressed and Blown Glass and Glassware | 0.0 | 0.0 | X | 29.4 | 5.0 | 23.0 | X | X | 26.5 |
| 327213 | Glass Containers | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | X | X | 0.0 |
| 327215 | Glass Products from Purchased Glass | 0.0 | 0.0 | X | 25.9 | 6.5 | 17.5 | Х | X | 18.5 |
| 327310 | Cements | 0.0 | 0.0 | X | 25.4 | 16.5 | 38.2 | 15.8 | 19.0 | 18.2 |
| 327410 | Lime | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 327420 | Gypsum | 0.0 | 0.0 | X | 15.3 | 4.1 | 16.5 | Х | X | 15.0 |
| 327993 | Mineral Wool | 0.0 | 0.0 | X | 18.9 | 5.4 | 22.3 | D | D | 20.5 |
| 331 | Primary Metals | 0.0 | 0.0 | D | 4.0 | 1.4 | 2.3 | 4.3 | 7.3 | 4.9 |
| 331110 | Iron and Steel Mills and Ferroalloys | 0.0 | 0.0 | D | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3312 | Steel Products from Purchased Steel | 0.0 | 0.0 | X | 24.0 | 4.2 | 8.5 | D | 10.0 | 25.5 |
| 3313 | Alumina and Aluminum | 0.0 | 0.0 | X | 4.5 | 1.6 | 4.0 | Х | X | 5.8 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 0.0 | 0.0 | X | 14.8 | 1.7 | 9.1 | Х | X | 18.4 |
| 331315 | Aluminum Sheet, Plate and Foils | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | Х | X | 0.0 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | 0.0 | 0.0 | X | 10.2 | 6.6 | 10.1 | Х | X | 23.0 |
| 3314 | Nonferrous Metals, except Aluminum | 0.0 | 0.0 | X | 14.8 | 4.5 | 7.2 | Х | 11.2 | 16.2 |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | 0.0 | 0.0 | X | 21.6 | 5.1 | 8.3 | Х | D | 22.1 |
| 3315 | Foundries | 0.0 | 0.0 | 88.2 | 11.4 | 3.2 | 3.8 | D | 18.7 | 10.6 |
| 331511 | Iron Foundries | 0.0 | 0.0 | X | 20.4 | 7.2 | 7.1 | D | 18.7 | 20.4 |
| 331523 | Nonferrous Metal Die-Casting Foundries | 0.0 | 0.0 | 88.2 | 28.9 | 0.6 | 4.1 | X | X | 19.5 |
| 331524 | Aluminum Foundries, except Die-Casting | 0.0 | 0.0 | X | 15.9 | 12.8 | 11.1 | Х | X | 13.9 |
| 332 | Fabricated Metal Products | 0.0 | 0.0 | X | 24.8 | 5.0 | 7.9 | 70.2 | X | 16.7 |
| 333 | Machinery | 0.0 | 0.0 | 98.9 | 19.5 | 4.8 | 8.8 | 98.9 | X | 18.2 |
| 334 | Computer and Electronic Products | 0.0 | 0.0 | 12.0 | 17.7 | 9.6 | 17.6 | X | X | 30.8 |
| 334413 | Semiconductors and Related Devices | 0.0 | 0.0 | D | 18.9 | 19.9 | 15.4 | Х | X | 37.5 |
| 335 | Electrical Equip., Appliances, and Components | 0.0 | 0.0 | D | 37.2 | 11.5 | 22.6 | X | X | 43.7 |
| 336 | Transportation Equipment | 0.2 | 0.2 | 37.8 | 5.2 | 4.0 | 7.0 | X | D | 4.7 |
| 336111 | Automobiles | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | X | X | 0.0 |
| 336112 | Light Trucks and Utility Vehicles | 0.0 | 0.0 | Х | 0.0 | 0.0 | 0.0 | Х | X | 0.0 |
| 3364 | Aerospace Product and Parts | 0.0 | 0.0 | D | 15.8 | 10.2 | 19.7 | X | X | 14.9 |
| 336411 | Aircraft | 0.0 | 0.0 | X | 23.3 | 18.0 | 36.0 | Х | X | 21.2 |
| 337 | Furniture and Related Products | 0.0 | 1.2 | X | 40.1 | 8.7 | 12.8 | D | Х | 34.4 |
| 339 | Miscellaneous | 0.7 | 0.7 | X | 34.5 | 8.0 | 16.1 | 98.8 | X | 36.3 |
| | Total | 0.1 | 0.1 | 3.6 | 1.7 | 0.7 | 1.5 | 4.8 | 3.5 | 1.5 |

- (a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS).
- (b) Any 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 2018.
- (c) 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).
- (d) Distillate Fuel Oil includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
- (e) 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.
- (f) 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).
- (g) 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.
- D=Withheld to avoid disclosing data for individual establishments.
- Q=Withheld because Relative Standard Error is greater than 50 percent.
- X=Not defined because RSE corresponds to a data table value of zero.
- 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, 2018 Manufacturing Energy Consumption Survey.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).