

Table 10.20 Reasons that Made Electricity Unswitchable, 2014;

Level: National Data;
 Row: NAICS Codes;
 Column: Reasons that Made Quantity Unswitchable;
 Unit: Million Kilowatthours.

| Non Switchable Amount Attributed to: | | | | | | | | | | | | |
|--------------------------------------|--|--|---|--|--|-------------------------------------|-------------------------------|--------------------------------|--|----------------|--|---------------------------|
| NAICS Code(a) | Subsector and Industry | Total Amount of Electricity Consumed as Fuel | Total Amount of Unswitchable Electricity Fuel Use | Equipment is Not Capable of Using Another Fuel | Switching Adversely Affects the Products | Unavailable Alternative Fuel Supply | Environmental Restrictions(b) | Long-Term Contract in Place(c) | Unavailable Storage for Alternative Fuels(d) | Another Reason | Combinations of Cols. F, G, H, I, J, and K | Don't Know/ Didn't Answer |
| Total United States | | | | | | | | | | | | |
| 311 | Food | 72,444 | 69,277 | 52,118 | 789 | 516 | 526 | 1,117 | 896 | 4,757 | 2,818 | 5,738 |
| 3112 | Grain and Oilseed Milling | 14,641 | 13,961 | 10,355 | 62 | 248 | 106 | 28 | 438 | 1,560 | 177 | 988 |
| 311221 | Wet Corn Milling | 6,472 | 6,277 | 4,250 | 0 | 177 | 2 | 0 | 438 | 794 | 26 | 589 |
| 31131 | Sugar Manufacturing | 1,355 | 1,203 | 708 | 7 | 0 | 0 | 144 | 0 | 72 | 114 | 157 |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | 9,541 | 9,208 | 6,992 | 209 | 92 | 71 | 95 | 238 | 580 | 175 | 757 |
| 3115 | Dairy Product | 10,364 | 9,733 | 7,224 | Q | 113 | 97 | 124 | 56 | 778 | 726 | 465 |
| 3116 | Animal Slaughtering and Processing | 18,200 | 17,607 | 13,973 | Q | Q | 131 | 176 | 155 | 1,162 | 877 | 1,004 |
| 312 | Beverage and Tobacco Products | 9,755 | 9,145 | 6,234 | Q | Q | 126 | 52 | 31 | Q | 117 | 1,274 |
| 3121 | Beverages | 8,816 | 8,220 | 5,441 | Q | Q | 120 | 52 | 31 | Q | 117 | 1,262 |
| 3122 | Tobacco | 940 | 926 | 793 | 0 | 7 | 0 | 0 | 0 | 113 | * | 12 |
| 313 | Textile Mills | 12,773 | 12,259 | 7,942 | Q | Q | 1 | Q | 0 | Q | 631 | Q |
| 314 | Textile Product Mills | 2,748 | 2,551 | 1,848 | Q | 0 | 0 | Q | 13 | 471 | Q | 153 |
| 315 | Apparel | 803 | 699 | 346 | Q | 0 | 0 | Q | Q | 66 | Q | 198 |
| 316 | Leather and Allied Products | 316 | 316 | 282 | * | Q | 0 | 18 | Q | 4 | * | 6 |
| 321 | Wood Products | 21,901 | 21,303 | 18,154 | 159 | 27 | 55 | 123 | 47 | 1,309 | 517 | 912 |
| 321113 | Sawmills | 5,600 | 5,427 | 4,552 | 59 | 13 | 14 | 38 | 34 | 361 | 126 | 231 |
| 3212 | Veneer, Plywood, and Engineered Woods | 7,387 | 7,312 | 6,740 | Q | 0 | 11 | 65 | Q | 196 | 209 | 85 |
| 321219 | Reconstituted Wood Products | 4,926 | 4,926 | 4,631 | 0 | 0 | 0 | 58 | 0 | 50 | 177 | Q |
| 3219 | Other Wood Products | 8,523 | 8,198 | 6,550 | 96 | Q | Q | Q | Q | 733 | 170 | 584 |
| 322 | Paper | 61,835 | 58,548 | 44,353 | 274 | 1,608 | 132 | 1,973 | Q | 6,751 | 2,502 | 951 |
| 322110 | Pulp Mills | 1,710 | 1,708 | 1,662 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 |
| 322121 | Paper Mills, except Newsprint | 19,914 | 18,445 | 14,178 | 106 | 639 | 0 | 778 | 0 | 2,166 | 505 | 74 |
| 322122 | Newsprint Mills | 8,245 | 8,245 | 6,385 | 0 | 0 | 0 | 0 | 0 | 0 | 1,621 | 239 |
| 322130 | Paperboard Mills | 18,943 | 17,621 | 11,603 | 118 | 165 | 132 | 936 | 0 | 4,222 | 367 | 79 |
| 323 | Printing and Related Support | 14,213 | 13,372 | 10,638 | 85 | Q | Q | Q | Q | 1,218 | 301 | 483 |
| 324 | Petroleum and Coal Products | 53,679 | 52,283 | 46,663 | 31 | 505 | 474 | 43 | 47 | 2,839 | 782 | 899 |
| 324110 | Petroleum Refineries | 50,738 | 49,491 | 44,340 | 0 | 485 | 434 | 0 | 0 | 2,715 | 711 | 806 |
| 324121 | Asphalt Paving Mixture and Block | 934 | 798 | 568 | 6 | 20 | 34 | 43 | Q | 31 | 31 | 53 |
| 324122 | Asphalt Shingle and Coating Materials | 730 | 719 | 670 | 0 | 0 | 6 | 0 | 5 | 11 | 11 | 15 |
| 324199 | Other Petroleum and Coal Products | 593 | 593 | 476 | 0 | * | 0 | 0 | 31 | 69 | 13 | 4 |
| 325 | Chemicals | 146,312 | 140,489 | 100,479 | 1,080 | Q | 1,394 | 5,659 | 485 | 14,677 | 4,403 | 11,176 |
| 325110 | Petrochemicals | W | W | 3,400 | 0 | 0 | W | 0 | 0 | 1,229 | 1,348 | 0 |
| 325120 | Industrial Gases | 19,969 | 19,965 | 14,884 | 0 | 0 | 0 | 0 | 0 | 1 | 139 | 4,942 |
| 325180 | Other Basic Inorganic Chemicals | 23,853 | 23,619 | 16,305 | 830 | 94 | 14 | 3,263 | Q | 2,220 | 376 | 367 |
| 325193 | Ethyl Alcohol | 11,390 | 11,362 | 9,330 | 0 | 73 | 105 | 243 | 0 | 771 | 536 | 304 |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | 3,017 | 3,017 | 3,005 | 0 | 2 | 0 | 0 | 0 | * | 0 | 11 |
| 325199 | Other Basic Organic Chemicals | W | W | 13,725 | 64 | Q | W | 0 | 77 | 2,768 | 800 | 750 |
| 325211 | Plastics Materials and Resins | 23,904 | 20,184 | 12,481 | Q | 14 | 0 | 1,464 | 9 | 4,896 | Q | 1,247 |
| 325212 | Synthetic Rubber | 1,162 | 1,119 | 695 | 0 | 0 | 0 | 0 | 0 | 200 | 2 | 221 |
| 325220 | Artificial and Synthetic Fibers and Filaments | 3,256 | 3,027 | 2,803 | 15 | 0 | * | 73 | 0 | 100 | 0 | 35 |
| 325311 | Nitrogenous Fertilizers | 3,847 | 3,847 | 2,945 | 0 | 0 | * | 609 | 0 | 2 | 2 | 288 |
| 325312 | Phosphatic Fertilizers | 2,125 | 2,125 | 1,784 | 0 | 0 | 0 | 0 | 3 | * | 0 | 338 |
| 3254 | Pharmaceuticals and Medicines | 10,682 | 10,079 | 7,668 | 74 | 69 | Q | Q | 75 | 958 | 755 | 213 |
| 325412 | Pharmaceutical Preparation | 5,609 | 5,229 | 3,820 | 66 | 50 | 36 | 0 | 50 | 583 | 546 | 78 |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | 996 | 990 | 910 | * | 0 | 0 | 2 | 0 | 40 | 0 | 39 |
| 326 | Plastics and Rubber Products | 55,629 | 53,297 | 35,250 | 954 | Q | 0 | Q | 15 | 5,032 | 3,426 | Q |
| 327 | Nonmetallic Mineral Products | 37,783 | 37,295 | 28,891 | 732 | Q | 254 | Q | 398 | 2,660 | 2,112 | 1,609 |
| 327120 | Clay Building Material and Refractories | W | W | 1,223 | 8 | * | 0 | 11 | 0 | 95 | 70 | W |
| 327211 | Flat Glass | 1,694 | 1,599 | 1,222 | 262 | 0 | 88 | 0 | 0 | 0 | 27 | 0 |
| 327212 | Other Pressed and Blown Glass and Glassware | W | W | 1,721 | 208 | * | 0 | 0 | Q | 119 | 16 | W |
| 327213 | Glass Containers | 3,544 | 3,538 | 3,013 | 0 | 0 | 0 | 93 | 0 | 0 | 431 | 1 |
| 327215 | Glass Products from Purchased Glass | 3,341 | 3,330 | 2,824 | 115 | 0 | Q | Q | 0 | 115 | 136 | 133 |
| 327310 | Cements | 10,959 | 10,959 | 8,046 | 0 | 0 | 0 | 0 | 339 | 1,346 | 753 | 475 |
| 327410 | Lime | 1,481 | 1,480 | 1,137 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 342 |
| 327420 | Gypsum | 1,368 | 1,368 | 1,062 | 125 | 0 | 0 | 0 | 56 | 45 | 0 | 80 |
| 327993 | Mineral Wool | 3,205 | 3,132 | 2,637 | 0 | 0 | 0 | 3 | 1 | 180 | 305 | 6 |
| 331 | Primary Metals | 131,400 | 130,750 | 104,231 | 6,666 | 1,105 | 123 | 2,210 | 209 | 8,406 | 3,138 | 4,661 |
| 331110 | Iron and Steel Mills and Ferroalloys | 60,334 | 60,008 | 50,987 | 1,639 | 532 | 1 | 972 | 0 | 3,085 | 1,864 | 928 |
| 3312 | Steel Products from Purchased Steel | 6,556 | 6,503 | 4,758 | W | 10 | 6 | 64 | 0 | W | 99 | 202 |
| 3313 | Alumina and Aluminum | 38,229 | 38,084 | 26,056 | W | 19 | 65 | 1,046 | 0 | W | 657 | 2,355 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 4,695 | 4,692 | 4,514 | 3 | 19 | 0 | 5 | 0 | 61 | 2 | 88 |
| 331315 | Aluminum Sheet, Plate and Foils | 4,494 | 4,488 | 2,873 | 0 | 0 | 0 | 990 | 0 | 0 | 591 | 35 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | 1,741 | 1,684 | 1,214 | 0 | 0 | 49 | 51 | 0 | 141 | 63 | 167 |
| 3314 | Nonferrous Metals, except Aluminum | 13,062 | 12,973 | 10,526 | 69 | 538 | 0 | 99 | 1 | 540 | 355 | 846 |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | 7,810 | 7,808 | 6,937 | 0 | 0 | 0 | 0 | 1 | 209 | 103 | 558 |
| 3315 | Foundries | 13,218 | 13,181 | 11,904 | 71 | 5 | 50 | Q | 209 | 419 | 162 | 331 |
| 331511 | Iron Foundries | 6,046 | 6,045 | 5,535 | Q | 0 | 3 | 0 | 209 | 50 | 103 | 105 |
| 331523 | Nonferrous Metal Die-Casting Foundries | 2,105 | 2,090 | 1,782 | 7 | 0 | 47 | 0 | 0 | 172 | 49 | 33 |
| 331524 | Aluminum Foundries, except Die-Casting | 793 | 773 | 666 | 2 | 0 | 0 | 4 | 0 | 30 | 11 | 60 |
| 332 | Fabricated Metal Products | 41,866 | 39,245 | 30,201 | Q | Q | 0 | Q | Q | 2,049 | 1,556 | 3,424 |
| 333 | Machinery | 23,482 | 22,612 | 17,236 | 402 | Q | 158 | Q | Q | 2,385 | Q | 1,672 |
| 334 | Computer and Electronic Products | 32,802 | 31,506 | 20,768 | 0 | Q | 3,078 | Q | Q | 1,075 | 2,431 | 3,179 |
| 334413 | Semiconductors and Related Devices | 19,101 | 18,727 | 11,125 | 0 | 0 | 2,860 | 86 | Q | 397 | 1,742 | 2,463 |
| 335 | Electrical Equip., Appliances, and Components | 11,727 | 11,434 | 7,007 | Q | Q | Q | 1,274 | Q | 1,245 | Q | 867 |
| 336 | Transportation Equipment | 45,169 | 43,406 | 33,432 | 646 | Q | 376 | Q | Q | 3,523 | 2,089 | 2,264 |
| 336111 | Automobiles | 3,592 | 3,589 | 2,666 | 0 | 0 | 0 | 0 | 0 | * | 922 | 0 |
| 336112 | Light Trucks and Utility Vehicles | 3,573 | 3,573 | 2,723 | 0 | 0 | 0 | 0 | 2 | 614 | 234 | 0 |
| 3364 | Aerospace Product and Parts | 9,432 | 9,019 | 6,782 | 174 | 87 | 257 | 39 | Q | 806 | 167 | 698 |
| 336411 | Aircraft | 3,198 | 3,008 | 2,424 | 0 | 0 | 0 | 0 | Q | 423 | 0 | 158 |
| 337 | Furniture and Related Products | 5,072 | 4,663 | 2,898 | Q | Q | 0 | Q | Q | 465 | 461 | 421 |
| 339 | Miscellaneous | 8,430 | 7,825 | 5,819 | Q | Q | Q | Q | Q | 763 | 403 | 524 |
| | Total | 790,140 | 762,274 | 574,791 | 13,117 | 7,059 | 7,225 | 16,345 | 3,576 | 62,732 | 28,647 | 48,781 |

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
 (b) The environmental restrictions related to air quality that limit the amount of the usable alternative fuel that could be used instead.
 (c) Long-term contracts are typically with a utility or third-party supplier such as an energy broker and requires the purchase of a fuel for an extended amount of time.

(d) The storage of usable alternative fuels is not available due to the potential environmental impact of storage tanks.

* 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.'

Released: October 2017
 Next MECS will be fielded in 2019

RSE Table 10.20 Relative Standard Errors for Table 10.20;
 Unit: Percents.

Unit: Percents.

Non Switchable Amount Attributed to:

| NAICS Code(a) | Subsector and Industry | Total Amount of Electricity Consumed as Fuel | Total Amount of Unswitchable Electricity Fuel Use | Equipment is Not Capable of Using Another Fuel | Switching Adversely Affects the Products | Unavailable Alternative Fuel Supply | Environmental Restrictions(b) | Long-Term Contract in Place(c) | Unavailable Storage for Alternative Fuels(d) | Another Reason | Combinations of Cols. F, G, H, I, J, and K | Don't Know/ Didn't Answer |
|----------------------------|--|--|---|--|--|-------------------------------------|-------------------------------|--------------------------------|--|----------------|--|---------------------------|
| Total United States | | | | | | | | | | | | |
| 311 | Food | 2.5 | 2.6 | 3.2 | 21.6 | 9.9 | 22.6 | 32.8 | 5.8 | 9.9 | 14.0 | 11.9 |
| 3112 | Grain and Oilseed Milling | 1.9 | 2.0 | 2.2 | 0.1 | 0.1 | 6.1 | 0.1 | 0.1 | 7.3 | 13.9 | 20.2 |
| 311221 | Wet Corn Milling | 0.0 | 0.0 | 0.0 | X | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | 0.0 |
| 31131 | Sugar Manufacturing | 0.1 | 0.1 | 0.1 | 0.1 | X | X | 0.1 | X | 0.1 | 0.1 | 0.1 |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | 6.0 | 6.2 | 7.8 | 13.6 | 15.8 | 0.1 | 13.3 | 16.8 | 23.5 | 9.1 | 22.1 |
| 3115 | Dairy Product | 2.2 | 2.4 | 3.1 | 55.5 | 18.2 | 21.8 | 11.3 | 14.9 | 8.3 | 8.2 | 16.7 |
| 3116 | Animal Slaughtering and Processing | 2.3 | 2.5 | 3.2 | 89.0 | 70.7 | 0.1 | 17.3 | 20.1 | 14.1 | 10.6 | 15.5 |
| 312 | Beverage and Tobacco Products | 7.6 | 8.1 | 2.7 | 68.2 | 2.0 | 47.7 | 26.1 | 39.3 | 60.4 | 26.8 | 8.5 |
| 3121 | Beverages | 8.4 | 9.0 | 3.1 | 68.2 | 2.1 | 47.7 | 26.1 | 39.3 | 66.7 | 26.9 | 8.6 |
| 3122 | Tobacco | 0.0 | 0.1 | 0.1 | X | 0.1 | X | X | X | 0.1 | 0.1 | 0.1 |
| 313 | Textile Mills | 13.5 | 14.0 | 9.3 | 88.5 | 52.1 | 0.1 | 86.0 | X | 67.7 | 34.9 | 62.2 |
| 314 | Textile Product Mills | 9.0 | 9.4 | 10.3 | 99.4 | X | X | 81.3 | 45.6 | 34.5 | 99.0 | 26.5 |
| 315 | Apparel | 9.3 | 9.3 | 15.2 | 89.2 | X | X | 81.1 | 58.6 | 28.5 | 89.9 | 12.2 |
| 316 | Leather and Allied Products | 7.4 | 7.4 | 8.3 | 36.5 | 74.4 | X | 26.3 | 67.2 | 37.4 | 92.0 | 7.4 |
| 321 | Wood Products | 11.6 | 11.9 | 13.9 | 22.0 | 49.4 | 29.3 | 12.0 | 37.1 | 25.6 | 11.9 | 13.1 |
| 321113 | Sawmills | 3.2 | 3.3 | 3.9 | 20.7 | 41.4 | 0.1 | 12.3 | 42.4 | 5.0 | 7.3 | 16.8 |
| 3212 | Veneer, Plywood, and Engineered Woods | 4.8 | 4.8 | 5.2 | 62.6 | X | 0.1 | 0.1 | 88.2 | 8.9 | 7.6 | 30.8 |
| 321219 | Reconstituted Wood Products | 7.1 | 7.1 | 7.5 | X | X | X | 0.1 | X | 1.3 | 0.1 | 55.9 |
| 3219 | Other Wood Products | 29.5 | 30.6 | 38.1 | 34.1 | 85.7 | 72.0 | 69.5 | 89.1 | 45.5 | 34.5 | 18.9 |
| 322 | Paper | 1.5 | 1.6 | 2.0 | 15.8 | 24.9 | 0.1 | 7.9 | 98.9 | 4.1 | 0.3 | 26.8 |
| 322110 | Pulp Mills | 0.0 | 0.0 | 0.0 | X | X | X | X | X | 0.0 | X | X |
| 322121 | Paper Mills, except Newsprint | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | X | 0.1 | X | 0.1 | 0.1 | 0.1 |
| 322122 | Newsprint Mills | 0.0 | 0.0 | 0.0 | X | X | X | X | X | X | 0.0 | 0.0 |
| 322130 | Paperboard Mills | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 |
| 323 | Printing and Related Support | 17.6 | 18.6 | 23.2 | 47.1 | 57.3 | 53.6 | 99.0 | 64.1 | 20.4 | 42.5 | 39.4 |
| 324 | Petroleum and Coal Products | 0.1 | 0.1 | 0.1 | 16.1 | 0.1 | 1.1 | 6.4 | 14.7 | 0.1 | 0.7 | 2.1 |
| 324110 | Petroleum Refineries | 0.1 | 0.1 | 0.1 | X | 0.1 | 0.1 | X | X | 0.1 | 0.1 | 0.1 |
| 324121 | Asphalt Paving Mixture and Block | 3.6 | 3.7 | 5.1 | 0.1 | 3.4 | 15.7 | 6.4 | 61.5 | 7.8 | 5.1 | 5.6 |
| 324122 | Asphalt Shingle and Coating Materials | 0.9 | 0.9 | 1.1 | X | X | 0.1 | X | 0.1 | 0.0 | 3.8 | 16.3 |
| 324199 | Other Petroleum and Coal Products | 0.0 | 0.0 | 0.0 | X | 0.0 | X | X | 0.0 | 0.0 | 0.0 | 0.0 |
| 325 | Chemicals | 1.7 | 1.8 | 2.3 | 18.5 | 50.2 | 11.2 | 1.4 | 33.9 | 5.5 | 6.8 | 6.4 |
| 325110 | Petrochemicals | 0.1 | 0.1 | 0.1 | X | X | 0.1 | X | X | 0.1 | 0.1 | X |
| 325120 | Industrial Gases | 6.9 | 6.9 | 9.2 | X | X | X | X | X | 0.1 | 0.1 | 1.0 |
| 325180 | Other Basic Inorganic Chemicals | 1.9 | 1.9 | 2.5 | 23.0 | 0.1 | 0.1 | 0.1 | 73.7 | 2.6 | 3.1 | 10.8 |
| 325193 | Ethyl Alcohol | 3.6 | 3.6 | 4.7 | X | 49.3 | 0.1 | 33.5 | X | 6.2 | 9.1 | 12.3 |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | 0.0 | 0.0 | 0.0 | X | 0.0 | X | X | X | 0.0 | X | 0.0 |
| 325199 | Other Basic Organic Chemicals | 3.2 | 3.2 | 2.0 | 13.5 | 64.5 | 64.8 | X | 0.1 | 4.8 | 5.8 | 1.2 |
| 325211 | Plastics Materials and Resins | 2.6 | 3.1 | 4.9 | 75.9 | 19.9 | X | 0.3 | 0.1 | 4.7 | 55.4 | 8.6 |
| 325212 | Synthetic Rubber | 0.0 | 0.0 | 0.0 | X | X | X | X | X | 0.0 | 0.0 | 0.0 |
| 325220 | Artificial and Synthetic Fibers and Filaments | 0.0 | 0.0 | 0.0 | 0.0 | X | 0.0 | 0.0 | X | 0.0 | X | 0.0 |
| 325311 | Nitrogenous Fertilizers | 4.3 | 4.3 | 5.6 | X | X | 0.0 | 0.1 | X | 0.1 | 0.1 | 0.1 |
| 325312 | Phosphatic Fertilizers | 0.0 | 0.0 | 0.0 | X | X | X | X | 0.0 | 0.0 | X | 0.0 |
| 3254 | Pharmaceuticals and Medicines | 11.3 | 11.9 | 15.7 | 20.4 | 11.9 | 52.9 | 85.4 | 21.8 | 0.6 | 1.0 | 14.8 |
| 325412 | Pharmaceutical Preparation | 1.9 | 2.0 | 2.8 | 19.9 | 0.1 | 4.2 | X | 16.1 | 1.0 | 1.3 | 25.9 |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | 0.7 | 0.7 | 0.7 | 0.0 | X | X | 0.1 | X | 0.1 | X | 0.1 |
| 326 | Plastics and Rubber Products | 9.9 | 10.4 | 9.2 | 49.3 | 81.6 | X | 52.6 | 0.1 | 36.5 | 46.1 | 61.8 |
| 327 | Nonmetallic Mineral Products | 3.7 | 3.7 | 4.5 | 7.5 | 81.7 | 38.8 | 70.6 | 0.6 | 7.1 | 5.3 | 10.3 |
| 327120 | Clay Building Material and Refractories | 1.8 | 1.9 | 1.8 | 36.9 | 53.0 | X | 0.1 | X | 13.2 | 23.5 | 15.7 |
| 327211 | Flat Glass | 0.0 | 0.0 | 0.0 | 0.0 | X | 0.0 | X | X | X | 0.0 | X |
| 327212 | Other Pressed and Blown Glass and Glassware | 1.0 | 1.0 | 0.7 | 7.9 | 66.7 | X | X | 95.1 | 0.1 | 3.2 | 16.2 |
| 327213 | Glass Containers | 0.0 | 0.0 | 0.0 | X | X | X | 0.0 | X | X | 0.0 | 0.0 |
| 327215 | Glass Products from Purchased Glass | 1.8 | 1.8 | 1.2 | 44.8 | X | 94.3 | 72.4 | X | 10.4 | 0.3 | 6.9 |
| 327310 | Cements | 0.9 | 0.9 | 1.2 | X | X | X | X | 0.1 | 2.9 | 0.1 | 0.5 |
| 327410 | Lime | 0.0 | 0.0 | 0.0 | X | X | X | X | X | X | 0.0 | 0.0 |
| 327420 | Gypsum | 1.9 | 1.9 | 2.4 | 0.1 | X | X | X | 0.1 | 0.1 | X | 0.1 |
| 327993 | Mineral Wool | 0.6 | 0.6 | 0.5 | X | X | X | 0.1 | 0.1 | 9.0 | 0.0 | 26.6 |
| 331 | Primary Metals | 1.2 | 1.2 | 0.9 | 18.5 | 20.1 | 0.1 | 1.6 | 0.1 | 1.9 | 1.5 | 3.6 |
| 331110 | Iron and Steel Mills and Ferroalloys | 0.2 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | X | 0.1 | 0.1 | 0.1 |
| 3312 | Steel Products from Purchased Steel | 18.7 | 18.8 | 1.5 | 93.4 | 48.8 | 0.1 | 26.6 | X | 0.1 | 34.9 | 15.1 |
| 3313 | Alumina and Aluminum | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | X | 0.1 | 1.0 | 0.2 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | X | 0.1 | X | 0.1 | 0.1 | 0.1 |
| 331315 | Aluminum Sheet, Plate and Foils | 1.1 | 1.1 | 1.7 | X | X | X | 0.1 | X | X | 0.1 | 0.1 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | 0.8 | 0.8 | 0.8 | X | X | 0.1 | 0.1 | X | 4.6 | 10.3 | 3.2 |
| 3314 | Nonferrous Metals, except Aluminum | 2.2 | 2.2 | 1.0 | 8.6 | 41.3 | X | 27.0 | 0.1 | 11.3 | 8.6 | 18.8 |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | 0.7 | 0.7 | 0.0 | X | X | X | X | 0.1 | 26.3 | 0.1 | 0.0 |
| 3315 | Foundries | 6.8 | 6.9 | 7.5 | 36.9 | 0.1 | 0.1 | 52.4 | 0.1 | 34.2 | 1.1 | 11.9 |
| 331511 | Iron Foundries | 2.5 | 2.5 | 2.7 | 58.5 | X | 0.1 | X | 0.1 | 23.0 | 0.1 | 26.6 |
| 331523 | Nonferrous Metal Die-Casting Foundries | 1.2 | 1.2 | 1.5 | 17.2 | X | 0.1 | X | X | 3.6 | 0.0 | 13.9 |
| 331524 | Aluminum Foundries, except Die-Casting | 3.9 | 4.0 | 4.6 | 22.6 | X | X | 0.1 | X | 15.9 | 16.7 | 0.2 |
| 332 | Fabricated Metal Products | 8.1 | 8.4 | 10.0 | 59.7 | 84.3 | X | 88.8 | 64.7 | 34.6 | 43.4 | 31.6 |
| 333 | Machinery | 8.7 | 8.9 | 10.8 | 44.6 | 76.0 | 25.0 | 86.2 | 55.5 | 35.0 | 59.0 | 29.7 |
| 334 | Computer and Electronic Products | 4.2 | 4.2 | 6.0 | X | 61.1 | 6.2 | 58.3 | 64.0 | 16.3 | 11.4 | 7.0 |
| 334413 | Semiconductors and Related Devices | 1.3 | 1.3 | 1.7 | X | X | 0.1 | 0.1 | 85.6 | 0.1 | 8.9 | 1.4 |
| 335 | Electrical Equip., Appliances, and Components | 8.5 | 8.8 | 12.7 | 70.4 | 97.5 | 73.9 | 33.6 | X | 16.2 | 62.3 | 39.7 |
| 336 | Transportation Equipment | 5.1 | 5.3 | 6.8 | 32.5 | 60.2 | 32.6 | 84.1 | 93.3 | 15.3 | 24.7 | 22.7 |
| 336111 | Automobiles | 0.0 | 0.0 | 0.0 | X | X | X | X | X | 0.0 | 0.0 | X |
| 336112 | Light Trucks and Utility Vehicles | 0.0 | 0.0 | 0.0 | X | X | X | X | 0.0 | 0.0 | 0.0 | X |
| 3364 | Aerospace Product and Parts | 6.8 | 7.1 | 9.3 | 48.0 | 7.0 | 17.0 | 8.8 | 86.2 | 4.5 | 30.6 | 16.8 |
| 336411 | Aircraft | 19.0 | 20.2 | 25.0 | X | X | X | 95.3 | X | 2.3 | X | 23.8 |
| 337 | Furniture and Related Products | 8.3 | 8.9 | 11.8 | 91.3 | 55.9 | X | 93.4 | 60.5 | 26.6 | 39.5 | 36.2 |
| 339 | Miscellaneous | 9.3 | 9.6 | 11.9 | 73.5 | 70.5 | 83.8 | 70.4 | X | 29.1 | 42.7 | 37.2 |
| | Total | 1.2 | 1.2 | 1.3 | 11.1 | 14.8 | 5.6 | 7.6 | 12.9 | 4.6 | 6.9 | 9.5 |

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

(b) The environmental restrictions related to air quality that limit the amount of the usable alternative fuel that could be used instead.

(c) Long-term contracts are typically with a utility or third-party supplier such as an energy broker and requires the purchase of a fuel for an extended amount of time.

(d) The storage of usable alternative fuels is not available due to the potential environmental impact of storage tanks.

* 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.

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