```
Released: October 2017
Next MECS will be fielded in 2019
Table 10.23 Reasons that Made HGL (excluding natural gasoline) Unswitchable, 2014;
    Level: National Data
    Column: Reasons that Made Quantity Unswitchable;
    Unit: Million Barrels.
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| NAICS <br> Code(a) | Subsector and Industry | Total Amount of HGL (excluding natural gasoline) Consumed as Fuel | Total Amount of Unswitchable HGL (excluding natural gasoline) 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 | 1 | 1 | 1 | * | * | * | * | * | * | * |  |
| 3112 | Grain and Oilseed Milling | * | * |  | * | 0 |  | 0 | * | * | 0 |  |
| 311221 | Wet Corn Milling | * | * |  | * | 0 | 0 | 0 | 0 | * | 0 |  |
| 31131 | Sugar Manufacturing | * | * | * | 0 | 0 | * | 0 | 0 | * | 0 |  |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | $*$ | * | * | 0 | * | * | * | * | * | * |  |
| 3115 | Dairy Product | * | * | * | 0 | * | 0 | * | * | * | * |  |
| 3116 | Animal Slaughtering and Processing | * | * | * | 0 | * | 0 | 0 | 0 | * | 0 |  |
| 312 | Beverage and Tobacco Products | * | * | * | * | * | 0 | 0 | * | * | * |  |
| 3121 | Beverages | * | * | * | --------------------------- | * | 0 | 0 | * | * | * |  |
| 3122 | Tobacco | * | * |  | 0 | * | 0 | 0 | 0 | * | 0 |  |
| 313 | Textile Mills | * | * | * | * | 0 | 0 | 0 | * | * | * |  |
| 314 | Textile Product Mills | * | * | * | * | * | 0 | 0 | 0 | * | * |  |
| 315 | Apparel | * | * | * | 0 | 0 | 0 | 0 | 0 | * | 0 |  |
| 316 | Leather and Allied Products | * | * | * |  | * | 0 | 0 | 0 | * | * |  |
| 321 | Wood Products | 1 | 1 | 1 | --------------* | * | * | * | * | * | * |  |
| 321113 | Sawmills | * | * | * | ------------------ | * | * | * | 0 | * | * |  |
| -3212 | Veneer, Plywood, and Engineered Woods | * | * | * | * | 0 | * | 0 | * | * | * |  |
| 321219 | Reconstituted Wood Products | * | * | * | 0 | 0 | 0 | 0 | 0 | * | * |  |
| 3219 | Other Wood Products | 1 | * | * | * | * | * | * | * | * | * |  |
| 322 | Paper | 1 | 1 | 1 | * | * | * | * | * | * | * |  |
| 322110 | Pulp Mills | * | * | * | 0 | 0 | 0 | 0 | * | 0 | 0 |  |
| 322121 | Paper Mills, except Newsprint | * | * | * | * | 0 | 0 | 0 | 0 | * | * |  |
| 322122 | Newsprint Mills | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |  |
| 322130 | Paperboard Mills | * | * | * | * | * | * | 0 | 0 | * | 0 |  |
| 323 | Printing and Related Support | * | * | * | ----------------* | 0 | * | 0 | * | * | * |  |
| 324 | Petroleum and Coal Products | 10 | 8 | 2 | 4 | * | * | * | * | * | 1 |  |
| 324110 | Petroleum Refineries | 10 | 8 | 2 | 4 | * | 0 | 0 | 0 | * | 1 |  |
| 324121 | Asphalt Paving Mixture and Block | - | * | * | --------------------- | * | * | - | 0 | * | 0 |  |
| 324122 | Asphalt Shingle and Coating Materials | * | * | * | ------------------------------ | 0 | * | * | * | * | * |  |
| 324199 | Other Petroleum and Coal Products | * | * | * | 0 | 0 | 0 | * | 0 | * | 0 |  |
| 325 | Chemicals | 1 | 1 | 1 | * | * | * | * | * | * | * |  |
| 325110 | Petrochemicals | * | * | * | 0 | * | 0 | 0 | 0 | * | 0 |  |
| 325120 | Industrial Gases | * | * | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 325180 | Other Basic Inorganic Chemicals | * | * | * | * | * | * | 0 | 0 | * | 0 |  |
| 325193 | Ethyl Alcohol | * | * | * | 0 | 0 | 0 | 0 | 0 | * | 0 |  |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | * | * | * | 0 | 0 | 0 | 0 | 0 | * | 0 |  |
| 325199 | Other Basic Organic Chemicals | * | * | * | * | 0 | 0 | 0 | 0 | * | * |  |
| 325211 | Plastics Materials and Resins | * | * | * | 0 | * | 0 | * | * | * | * |  |
| 325212 | Synthetic Rubber | * | * | * | * | 0 | * | 0 | * | * | 0 |  |
| 325220 | Artificial and Synthetic Fibers and Filaments | * | * | * | 0 | * | 0 | 0 | 0 | * | 0 |  |
| 325311 | Nitrogenous Fertilizers | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 325312 | Phosphatic Fertilizers | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| -3254 | Pharmaceuticals and Medicines | * | * | * | 0 | 0 | 0 | 0 | * | * | 0 |  |
| 325412 | Pharmaceutical Preparation | * | * | * | 0 | 0 | 0 | 0 | 0 | * | 0 |  |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | * | * | * | 0 | 0 | * | 0 | 0 | * | * |  |
| 326 | Plastics and Rubber Products | 1 | 1 |  | --------------------------- | * | * | * | 0 | * | * |  |
| 327 | Nonmetallic Mineral Products | 1 | 1 | * | -------------------------- | * | * | * | * | * | * |  |
| 327120 | Clay Building Material and Refractories | * | * | * | * | * | * | 0 | * | * | * |  |
| 327211 | Flat Glass | * | * | * | * | * | 0 | 0 | 0 | * | 0 |  |
| 327212 | Other Pressed and Blown Glass and Glassware | * | * | * | * | 0 | 0 | 0 | * | * | * |  |
| 327213 | Glass Containers | * | * | * | ----- | 0 | 0 | 0 | * | 0 | * |  |
| 327215 | Glass Products from Purchased Glass | * | * | * | * | * | 0 | * | * | * | * |  |
| 327310 | Cements | * | * | * | 0 | * | 0 | 0 | 0 | 0 | * |  |
| 327410 | Lime | --- | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 327420 | Gypsum | * | * | -- | 0 | * | * | 0 | 0 | * | 0 |  |
| 327993 | Mineral Wool | * | * | * | * | 0 | * | 0 | 0 | * | 0 |  |
| $331$ | Primary Metals |  |  |  | * | * | * | * | * | * | * |  |
| 331110 | ---Iron and Steel Mills and Ferroalloys | * | * | -- | * | 0 | * | -- | * | * | * |  |
| -3312 | Steel Products from Purchased Steel | * | * | * | * | 0 | * | * | 0 | * | * |  |
| 3313 | Alumina and Aluminum | * | * | * | -------------------------- | * | * | 0 | 0 | * | * |  |
| 331314 | Secondary Smelting and Alloving of Aluminum | $\cdots$ | * | * | --- | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 331315 | Aluminum Sheet, Plate and Foils | * | * | - | 0 | 0 | * | 0 | 0 | * | 0 |  |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | * | * | * | * | * | * | 0 | 0 | * | * |  |
| 3314 | Nonferrous Metals, except Aluminum --------1. |  |  | * | * | * | * | * | * | * | * |  |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | * | * | * | 0 | 0 | 0 | 0 | * | * | * |  |
| 3315 | Foundries | * | * | * | * | * | * | * | * | * | * |  |
| 331511 | Iron Foundries | * | * | * | *- | * | 0 | 0 | * | * | * |  |
| 331523 | Nonferrous Metal Die-Casting Foundries | * |  |  | 0 | * | * | * | 0 | * | * |  |
| 331524 | Aluminum Foundries, except Die-Casting | * | * | * | * | * | * | * | 0 | * | * |  |
| 332 | Fabricated Metal Products | 2 | 1 | 1 | *- | * | * | * | 0 | * | 0 |  |
| 333 | Machinery | 1 | 1 | * | * | * | * | * | * | * | * |  |
| 334 | Computer and Electronic Products | * | * | - | * | 0 | * | 0 | * | * | * |  |
| 334413 | Semiconductors and Related Devices | * | * | * | * | 0 | 0 | 0 | 0 | * | 0 |  |
| 335 | Electrical Equip., Appliances, and Components | * | * | * | 0 | * | * | 0 | * | * | * |  |
| 336 | Transportation Equipment | 1 | 1 | 1 | * | 0 | * | * | * | * | * |  |
| 336111 | Automobiles | * | * | * | 0 | 0 | * | 0 | 0 | * | 0 |  |
| 336112 | Light Trucks and Utility Vehicles | * | * | * | 0 | 0 | 0 | 0 | * | * | * |  |
| 3364 | Aerospace Product and Parts | * | * | * | * | 0 | 0 | * | 0 | * | * |  |
| 336411 | Aircraft | * | * | * | 0 | 0 | 0 | * | 0 | * | * |  |
| 337 | Furniture and Related Products | * | * | * | * | * | * | 0 | 0 | * | * |  |
| 339 | Miscellaneous | * | * | - | * | 0 | 0 | 0 | * | * | - |  |
|  | Total | 22 | 17 |  |  |  |  |  |  | 1 |  |  |

(b) The environmental resrictions 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 utitity 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 .

## $\mathrm{W}=$ Withheld to avoid disclosing data for individual establishments.

 $\mathrm{Q}=$ Withheld because Relative Standard Error is greater than 50 percent.
## $\mathrm{NA}=$ 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

| NAICS |  | Total Amount of HGL (excluding natural gasoline) Consumed as Fuel | Total Amount of Unswitchable HGL (excluding natural gasoline) Fuel Use | Non Switchable Amount Attributed to: |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Subsector and Industry |  |  | Equipment is Not Capable of Using Another Fuel | Switching <br> Adversely Affects the Products | Unavailable <br> Alternative Fuel Supply | Environmental Restrictions(c) | Long-Term Contract in Place(d) | Unavailable Storage for Alternative Fuels(e) | Another Reason | Combinations of Cols. F, G, H, I, J, and K | Don't Know/ Didn't Answer |
|  |  |  |  |  |  |  |  |  |  |  |  |  |


| Tota |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 311 | Food | 12.2 | 13.9 | 11.9 | 0.1 | 75.2 | 26.6 | 14.9 | 26.3 | 52.6 | 96.1 | 57.7 |
| 3112 | Grain and Oilseed Milling | 31.2 | 18.1 | 20.8 | 0.1 | X | 36.8 | X | 22.7 | 41.6 | x | 9.6 |
| 311221 | Wet Corn Milling | 0.0 | 0.0 | 0.0 | 0.0 | x | X | x | X | 0.0 | x | 0.0 |
| 31131 | Sugar Manufacturing | 0.1 | 0.1 | 0.1 | x | x | 0.1 | x | x | 0.1 | x | 0.1 |
| 3114 | Fruit and Vegetable Preserving and Specialty Food | 31.3 | 36.6 | 22.6 | x | 0.1 | 44.8 | 15.0 | 49.5 | 37.9 | 96.9 | 35.8 |
| 3115 | Dairy Product | 20.3 | 24.1 | 8.2 | x | 11.0 | x | 33.3 | 22.0 | 84.8 | 77.0 | 0.1 |
| 3116 | Animal Slaughtering and Processing | 17.7 | 19.7 | 20.6 | X | 77.3 | x | x | X | 27.2 | x | 11.9 |
| 312 | Beverage and Tobacco Products | 10.3 | 9.9 | 13.2 | 85.1 | 96.6 | x | x | 82.3 | 44.8 | 55.7 | 15.7 |
| 3121 | Beverages | 11.0 | 10.8 | 14.9 | 85.1 | 96.7 | x | x | 82.3 | 44.9 | 55.7 | 16.0 |
| 3122 | Tobacco | 0.1 | 0.1 | 0.1 | x | 0.1 | x | x | x | 0.1 | x | 0.1 |
| 313 | Textile Mills | 10.9 | 9.2 | 8.5 | 58.2 | $\times$ | x | x | 80.7 | 36.3 | 94.9 | 2.3 |
| 314 | Textile Product Mills | 50.0 | 58.8 | 34.2 | 99.0 | 89.1 | x | x | x | 29.2 | 92.1 | 18.3 |
| 315 | Apparel | 56.8 | 69.1 | 70.2 | X | x | x | x | x | 96.0 | x | 0.1 |
| 316 | Leather and Allied Products | 8.8 | 7.4 | 3.6 | 89.5 | 57.9 | x | x | x | 62.6 | 46.4 | 50.2 |
| 321 | Wood Products | 8.9 | 8.9 | 8.6 | 65.3 | 35.1 | 34.8 | 82.6 | 64.3 | 41.8 | 58.0 | 40.0 |
| 321113 | Sawmills | 11.0 | 1.9 | 2.0 | 0.8 | 0.1 | 0.1 | 11.5 | X | 5.5 | 64.1 | 28.5 |
| 3212 | Veneer, Plywood, and Engineered Woods | 5.1 | 5.4 | 5.5 | 0.1 | x | 19.8 | x | 88.2 | 2.6 | 66.6 | 16.8 |
| 321219 | Reconstituted Wood Products | 11.1 | 12.4 | 12.7 | x | X | x | x | $\times$ | 0.1 | 76.8 | 0.1 |
| 3219 | Other Wood Products | 15.1 | 16.7 | 18.3 | 67.8 | 47.3 | 91.5 | 88.9 | 75.2 | 64.1 | 88.0 | 48.7 |
| 322 | Paper | 9.0 | 7.2 | 8.0 | 0.1 | 91.6 | 77.2 | 64.8 | 78.4 | 18.3 | 91.2 | 36.4 |
| 322110 | Pulp Mills | 0.0 | 0.0 | 0.0 | x | x | X | x | 0.0 | - | x | 0.0 |
| 322121 | Paper Mills, except Newsprint | 0.1 | 0.1 | 0.1 | 0.1 | x | x | x | x | 0.1 | 0.1 | 0.1 |
| 322122 | Newsprint Mills | 0.0 | 0.0 | 0.0 | 0.0 | x | x | x | x | x | 0.0 | x |
| 322130 | Paperboard Mills | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | x | X | 0.0 | x | 0.0 |
| 323 | Printing and Related Support | 33.8 | 38.1 | 46.6 | 72.4 | x | 64.1 | x | 80.6 | 25.1 | 68.7 | 84.4 |
| 324 | Petroleum and Coal Products | 0.2 | 0.2 | 0.9 | 0.1 | 0.1 | 0.1 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 |
| 324110 | Petroleum Refineries | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | x | X | x | 0.1 | 0.1 | 0.1 |
| 324121 | Asphalt Paving Mixture and Block | 6.0 | 9.9 | 13.0 | 25.5 | 0.1 | 0.1 | 0.8 | x | 31.4 | $x$ | 17.3 |
| 324122 | Asphalt Shingle and Coating Materials | 19.7 | 21.6 | 27.6 | 40.8 | x | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 |
| 324199 | Other Petroleum and Coal Products | 0.0 | 0.0 | 0.0 | X | x | X | 0.0 | x | 0.0 | x | 0.0 |
| 325 | Chemicals | 6.5 | 7.0 | 7.2 | 67.4 | 0.1 | 0.1 | 61.6 | 0.1 | 15.6 | 53.6 | 38.2 |
| 325110 | Petrochemicals | 0.3 | 0.3 | 0.4 | x | 0.1 | x | x | x | 0.1 | x | 0.1 |
| 325120 | Industrial Gases | 50.2 | 56.4 | 25.9 | x | x | x | x | x | x | x | 79.6 |
| 325180 | Other Basic Inorganic Chemicals | 14.5 | 19.5 | 23.3 | 0.1 | 0.1 | 0.1 | x | X | 56.6 | x | 0.1 |
| 325193 | Ethyl Alcohol | 8.6 | 9.2 | 9.9 | x | x | $\times$ | x | x | 1.4 | x | x |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | 0.0 | 0.0 | 0.0 | x | x | x | x | x | 0.0 | x | 0.0 |
| 325199 | Other Basic Organic Chemicals | 18.8 | 10.4 | 9.9 | 74.2 | x | x | x | X | 74.9 | 0.1 | 8.1 |
| 325211 | Plastics Materials and Resins | 4.4 | 4.6 | 4.8 | x | 0.1 | x | 19.9 | 0.1 | 11.1 | 14.6 | 22.3 |
| 325212 | Synthetic Rubber | 0.0 | 0.0 | 0.0 | 0.0 | x | 0.0 | x | 0.0 | 0.0 | x | 0.0 |
| 325220 | Artificial and Synthetic Fibers and Filaments | 0.0 | 0.0 | 0.0 | x | 0.0 | x | x | X | 0.0 | x | 0.0 |
| 325311 | Nitrogenous Fertilizers | 0.7 | 0.8 | 7.7 | x | x | x | x | x | x | x | 0.1 |
| 325312 | Phosphatic Fertilizers | 0.0 | 0.0 | 0.0 | x | x | x | x | x | x | x | x |
| -3254 | Pharmaceuticals and Medicines | 23.2 | 20.1 | 3.5 | x | x | x | x | 0.1 | 83.4 | x | 31.6 |
| 325412 | Pharmaceutical Preparation | 25.5 | 33.9 | 7.1 | x | X | x | x | x | 83.8 | x | 31.6 |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | 39.7 | 41.0 | 0.1 | x | x | 0.1 | x | x | 0.1 | 0.1 | 58.5 |
| 326 | Plastics and Rubber Products | 16.1 | 19.0 | 23.9 | 87.8 | 99.0 | 70.6 | 99.0 | X | 46.4 | 85.4 | 34.6 |
| 327 | Nonmetallic Mineral Products | 14.9 | 15.8 | 18.6 | 43.3 | 87.0 | 36.6 | 67.2 | 0.8 | 22.5 | 0.1 | 58.0 |
| 327120 | Clay Building Material and Refractories | 4.7 | 5.5 | 6.5 | 0.1 | 11.7 | 2.0 | x | 0.1 | 23.2 | 0.1 | 56.5 |
| 327211 | Flat Glass | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | X | x | x | 0.0 | x | X |
| 327212 | Other Pressed and Blown Glass and Glassware | 0.5 | 0.4 | 0.5 | 0.1 | x | x | x | 8.2 | 0.1 | 0.1 | 0.1 |
| 327213 | Glass Containers | 0.0 | 0.0 | 0.0 | 0.0 | x | x | x | 0.0 | x | 0.0 | x |
| 327215 | Glass Products from Purchased Glass | 11.6 | 13.8 | 19.4 | 0.2 | 0.1 | x | 0.1 | 0.1 | 47.7 | 0.1 | 2.5 |
| 327310 | Cements | 1.2 | 1.2 | 0.1 | x | 0.1 | x | x | x | x | 0.1 | 22.0 |
| 327410 | Lime | 0.0 | 0.0 | 0.0 | x | x | x | x | x | x | x | 0.0 |
| 327420 | Gypsum | 1.4 | 1.4 | 1.6 | x | 0.1 | 0.1 | x | x | 0.1 | x | 0.1 |
| 327993 | Mineral Wool | 3.8 | 0.6 | 0.8 | 0.1 | x | 0.1 | x | X | 0.1 | x | x |
| 331 | Primary Metals | 2.5 | 2.5 | 3.1 | 17.1 | 6.5 | 16.3 | 27.2 | 21.1 | 8.9 | 7.7 | 2.1 |
| 331110 | Iron and Steel Mills and Ferroalloys | 0.3 | 0.3 | 0.4 | 0.1 | X | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3312 | Steel Products from Purchased Steel | 13.8 | 9.3 | 13.0 | 12.8 | x | 0.1 | 0.1 | x | 11.8 | 44.0 | 30.4 |
| 3313 | Alumina and Aluminum | 1.2 | 0.9 | 2.1 | 0.1 | 0.1 | 21.6 | x | x | 0.1 | 22.2 | 0.1 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 0.1 | 0.1 | 0.1 | 0.1 | x | X | x | X | X | x | 0.1 |
| 331315 | Aluminum Sheet, Plate and Foils | 5.4 | 0.1 | 0.1 | X | X | 0.1 | x | x | 0.1 | x | 0.1 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | 2.5 | 3.0 | 4.1 | 0.1 | 0.1 | 49.2 | x | X | 0.1 | 22.2 | 0.1 |
| -3314 | Nonferrous Metals, except Aluminum | 4.1 | 4.6 | 7.2 | 5.3 | 5.8 | 78.2 | 61.3 | 0.1 | 17.9 | 12.0 | 11.5 |
| 331410 | Nonferrous Metal (except Aluminum) Smelting and Refining | 4.1 | 5.6 | 0.1 | x | x | - | x | 0.0 | 0.1 | 20.9 | 0.0 |
| -3315 | Foundries | 4.9 | 5.6 | 4.9 | 34.3 | 49.8 | 0.1 | 10.3 | 47.7 | 35.9 | 10.8 | 15.1 |
| 331511 | Iron Foundries | 3.6 | 3.7 | 3.9 | 46.4 | 31.4 | $\times$ | x | 47.7 | 0.1 | 0.1 | 0.1 |
| 331523 | Nonferrous Metal Die-Casting Foundries | 9.5 | 11.3 | 13.7 | X | 58.2 | 0.1 | 0.1 | x | 34.2 | 12.7 | 24.0 |
| 331524 | Aluminum Foundries, except Die-Casting | 4.4 | 5.9 | 9.3 | 21.4 | 0.1 | 0.1 | 10.8 | x | 39.9 | 0.1 | 0.1 |
| 332 | Fabricated Metal Products | 19.6 | 21.2 | 24.9 | 50.7 | 97.5 | 99.5 | 87.4 | x | 54.2 | x | 50.5 |
| 333 | Machinery | 29.8 | 37.5 | 58.1 | 52.6 | 85.4 | 89.3 | 93.8 | 99.0 | 62.5 | 72.3 | 43.5 |
| 334 | Computer and Electronic Products | 29.3 | 34.2 | 42.6 | 61.4 | x | 89.0 | x | 99.0 | 71.7 | 66.3 | 93.1 |
| 334413 | Semiconductors and Related Devices | 4.8 | 6.7 | 8.2 | 0.1 | x | x | x | x | 0.1 | x | 0.1 |
| 335 | Electrical Equip., Appliances, and Components | 50.0 | 31.8 | 35.3 | x | 87.1 | 17.8 | x | 97.6 | 54.1 | 11.2 | $\underline{x}$ |
| 336 | Transportation Equipment | 16.3 | 19.0 | 22.5 | 44.5 | x | 68.9 | 93.9 | 0.1 | 28.6 | 77.8 | 47.4 |
| 336111 | Automobiles | 0.0 | 0.0 | 0.0 | x | x | 0.0 | x | x | 0.0 | x | X |
| 336112 | Light Trucks and Utility Vehicles | 0.0 | 0.0 | 0.0 | X | x | X | - | 0.0 | 0.0 | 0.0 | 0.0 |
| -3364 | Aerospace Product and Parts | 14.2 | 16.9 | 20.4 | 53.0 | x | X | 0.1 | X | 6.9 | 14.3 | 3.2 |
| 336411 | Aircraft | 3.2 | 3.1 | 3.2 | x | x | $\times$ | 0.1 | x | 50.8 | 0.1 | x |
| 337 | Furniture and Related Products | 27.2 | 30.9 | 38.1 | 82.9 | 99.0 | 99.0 | x | x | 47.0 | 99.0 | 53.2 |
| 339 | Miscellaneous | 49.3 | 47.3 | 54.1 | 99.0 | x | x | x | 99.0 | 65.6 | 66.8 | 92.8 |
|  | Total | 2.8 | 2.9 | 5.2 | 1.1 | 11.3 | 29.1 | 40.6 | 29.9 | 11.0 | 9.8 | 4.7 |

[^0]Estimation is not applicable. Energy source is not included in series.
oes: 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.


[^0]:    (a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
    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 .
    $\mathrm{W}=$ Withheld to avoid disclosing data for individual establishments.
    $\mathrm{Q}=$ Withheld because Relative Standard Error is greater than 50 percent.
    $\mathrm{A}=$ Not available.
    $\mathrm{x}=$ Not defined because RSE corresponds to a value of zero.

