

Released: November 2017

Next MECS will be fielded in 2019

Table 2.3 Nonfuel (Feedstock) Use of Combustible Energy, 2014;

Level: National and Regional Data;

Row: Values of Shipments and Employment Sizes;

Column: Energy Sources;

Unit: Trillion Btu.

| Economic Characteristic(a) | Total | Residual Fuel Oil | Distillate Fuel Oil(b) | Natural Gas(c) | HGL (excluding natural gasoline)(d) | Coal | Coke and Breeze | Other(e) |
|--|-------|-------------------|------------------------|----------------|-------------------------------------|------|-----------------|----------|
| Total United States | | | | | | | | |
| Value of Shipments and Receipts (million dollars) | | | | | | | | |
| Under 20 | 291 | * | Q | 33 | * | Q | 0 | 256 |
| 20-49 | 130 | * | * | 10 | W | W | W | 105 |
| 50-99 | 269 | W | W | 25 | 71 | W | W | 123 |
| 100-249 | 312 | 33 | * | 70 | 24 | 116 | 2 | 68 |
| 250-499 | 347 | 0 | 1 | 139 | W | W | W | 49 |
| 500 and Over | 3,409 | W | W | 278 | 2,234 | 269 | 1 | 608 |
| Subtotal | 4,758 | 59 | 8 | 554 | 2,363 | 484 | 81 | 1,209 |
| Not Ascertained(f) | 529 | 0 | 0 | 0 | 0 | 0 | 0 | 529 |
| Total | 5,287 | 59 | 8 | 554 | 2,363 | 484 | 81 | 1,738 |
| Employment Size | | | | | | | | |
| Under 50 | 644 | 3 | Q | 100 | W | W | 0 | 375 |
| 50-99 | 286 | W | 1 | 32 | W | W | W | W |
| 100-249 | 834 | 13 | 1 | 178 | 410 | W | W | 107 |
| 250-499 | 946 | W | 1 | 99 | 696 | W | 8 | 89 |
| 500-999 | 922 | W | 4 | 67 | 697 | 9 | 0 | W |
| 1000 and Over | 1,126 | 0 | * | 78 | W | 260 | W | 385 |
| Subtotal | 4,758 | 59 | 8 | 554 | 2,363 | 484 | 81 | 1,209 |
| Not Ascertained(f) | 529 | 0 | 0 | 0 | 0 | 0 | 0 | 529 |
| Total | 5,287 | 59 | 8 | 554 | 2,363 | 484 | 81 | 1,738 |
| Northeast Census Region | | | | | | | | |
| Value of Shipments and Receipts (million dollars) | | | | | | | | |
| Under 20 | 62 | 0 | * | Q | * | 0 | 0 | 60 |
| 20-49 | W | 0 | * | 1 | * | W | * | W |
| 50-99 | 11 | 0 | * | * | * | W | 1 | W |
| 100-249 | 11 | 0 | * | 1 | * | * | 2 | 8 |
| 250-499 | 5 | 0 | 0 | * | Q | * | 0 | 4 |
| 500 and Over | W | 0 | * | * | 75 | W | * | * |
| Total | 321 | 0 | * | 4 | 76 | 137 | 3 | 100 |
| Employment Size | | | | | | | | |
| Under 50 | 73 | 0 | * | 1 | * | 0 | 0 | 72 |
| 50-99 | W | 0 | * | Q | * | 1 | * | W |
| 100-249 | 94 | 0 | * | * | 75 | 3 | 2 | 13 |
| 250-499 | Q | 0 | * | * | Q | * | 0 | * |
| 500-999 | W | 0 | * | 1 | 0 | * | 0 | W |
| 1000 and Over | 134 | 0 | 0 | 0 | * | 134 | * | * |
| Total | 321 | 0 | * | 4 | 76 | 137 | 3 | 100 |
| Midwest Census Region | | | | | | | | |
| Value of Shipments and Receipts (million dollars) | | | | | | | | |
| Under 20 | 53 | * | * | 6 | * | * | 0 | 47 |

| | | | | | | | | |
|--------------|-----|---|---|----|-----|-----|----|-----|
| 20-49 | W | 0 | 0 | Q | W | 0 | W | W |
| 50-99 | 72 | 3 | * | 5 | * | 0 | W | W |
| 100-249 | 104 | 0 | * | 28 | W | W | 0 | 23 |
| 250-499 | 158 | 0 | * | 17 | W | W | W | 24 |
| 500 and Over | W | 0 | * | 18 | 104 | W | 0 | 1 |
| Total | 666 | 3 | 1 | 80 | 131 | 237 | 71 | 143 |

Employment Size

| | | | | | | | | |
|---------------|-----|---|---|----|-----|-----|----|-----|
| Under 50 | 130 | 3 | * | 11 | W | W | 0 | 71 |
| 50-99 | W | * | * | 23 | W | W | W | 28 |
| 100-249 | 173 | 0 | 1 | 25 | 9 | W | W | 42 |
| 250-499 | 109 | 0 | * | 1 | 105 | * | * | 2 |
| 500-999 | W | 0 | 0 | 3 | * | W | 0 | * |
| 1000 and Over | 167 | 0 | * | 17 | W | 114 | W | * |
| Total | 666 | 3 | 1 | 80 | 131 | 237 | 71 | 143 |

South Census Region

Value of Shipments and Receipts

(million dollars)

| | | | | | | | | |
|--------------|-------|----|---|-----|-------|-----|---|-----|
| Under 20 | 135 | * | * | 25 | * | Q | 0 | 109 |
| 20-49 | 37 | * | * | * | * | * | 0 | 36 |
| 50-99 | 169 | W | W | 18 | 71 | 1 | 0 | 71 |
| 100-249 | 184 | 33 | * | 35 | W | W | 0 | 29 |
| 250-499 | 176 | 0 | * | 121 | W | W | 1 | 21 |
| 500 and Over | 2,956 | W | W | 259 | 2,055 | 17 | 1 | 606 |
| Total | 3,657 | 55 | 6 | 459 | 2,155 | 110 | 1 | 872 |

Employment Size

| | | | | | | | | |
|---------------|-------|----|---|-----|-------|-----|---|-----|
| Under 50 | 362 | * | * | 86 | 118 | Q | 0 | 157 |
| 50-99 | 176 | W | 1 | 5 | 56 | W | 0 | 58 |
| 100-249 | 557 | 13 | * | 146 | 327 | 22 | 0 | 49 |
| 250-499 | 829 | W | 1 | 98 | 590 | W | 1 | 86 |
| 500-999 | 909 | W | 4 | 63 | 697 | W | 0 | 137 |
| 1000 and Over | 825 | 0 | * | 61 | 367 | 12 | 0 | 385 |
| Total | 3,657 | 55 | 6 | 459 | 2,155 | 110 | 1 | 872 |

West Census Region

Value of Shipments and Receipts

(million dollars)

| | | | | | | | | |
|--------------|-----|---|---|----|---|---|---|----|
| Under 20 | 41 | 0 | Q | 1 | * | 0 | 0 | 40 |
| 20-49 | 34 | 0 | * | 3 | * | 0 | 0 | 31 |
| 50-99 | 17 | 0 | * | 3 | * | 0 | 0 | 14 |
| 100-249 | 14 | 0 | * | 6 | * | 0 | * | 8 |
| 250-499 | 8 | 0 | 1 | * | 0 | 0 | 6 | 1 |
| 500 and Over | * | 0 | 0 | * | 0 | 0 | 0 | * |
| Total | 115 | 0 | 1 | 12 | 1 | 0 | 6 | 94 |

Employment Size

| | | | | | | | | |
|---------------|-----|---|---|----|---|---|---|----|
| Under 50 | 79 | 0 | Q | 2 | * | 0 | 0 | 76 |
| 50-99 | 18 | 0 | * | 3 | * | 0 | 0 | 14 |
| 100-249 | 10 | 0 | 1 | 6 | * | 0 | * | 3 |
| 250-499 | 7 | 0 | * | * | 0 | 0 | 6 | 1 |
| 500-999 | Q | 0 | 0 | Q | 0 | 0 | 0 | * |
| 1000 and Over | * | 0 | 0 | * | 0 | 0 | 0 | * |
| Total | 115 | 0 | 1 | 12 | 1 | 0 | 6 | 94 |

(a) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

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

(c) '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.

(d) 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).

(e) '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. See also Footnote 'f'.

(f) Previously, the Manufacturing Energy Consumption Survey (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, "Feedstock and Offsite-Produced Fuel at Petroleum Refineries"). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the 'Other' column. However, other 'Miscellaneous Nonfuel Products' (i.e. lubricants, solvents, waxes, and special naphthas) from refineries, and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the 'Miscellaneous Nonfuel Products' used in manufacturing was derived using EIA's "U.S. Product Supplied for Crude Oil and Petroleum Products" data. The Miscellaneous Nonfuel Products are shown as a separate row, 'Not Ascertained,' under the 'Subtotal' for the 'Total United States' and this row is not allocated regionally. Therefore, the sum of the regional totals will equal the United States subtotal in the previous row. Because of the changes made to the 2014 MECS, the quantity in 'Other' for the petroleum refineries in Tables 1 and 2 is now less than it would otherwise be using the previous method. Similarly, the quantities in 'Other' for Chemicals (NAICS 325 and certain subindustries) and the asphalt industries (NAICS 324121 and 324122) are now larger than they would otherwise be under the previous method. The 2014 "Feedstock and Offsite-Produced Fuel at Petroleum Refineries" data may be found on EIA's website:

https://www.eia.gov/dnav/pet/pet_cons_psup_dc_nus_mbb1_a.htm

* 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. 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; woodchips, bark, and woodwaste 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.

Sources: Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2014 Annual Survey of Manufactures.'

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RSE Table 2.3 Relative Standard Errors for Table 2.3;

Unit: Percents.

| Economic Characteristic(a) | Total | Residual Fuel Oil | Distillate Fuel Oil(b) | Natural Gas(c) | HGL (excluding natural gasoline)(d) | Coal | Coke and Breeze | Other(e) |
|--|-------|-------------------|------------------------|----------------|-------------------------------------|------|-----------------|----------|
| Total United States | | | | | | | | |
| Value of Shipments and Receipts | | | | | | | | |
| (million dollars) | | | | | | | | |
| Under 20 | 5.3 | 51.0 | 55.3 | 8.2 | 79.0 | 73.8 | X | 6.0 |
| 20-49 | 9.2 | 0.0 | 29.3 | 32.4 | 68.6 | 0.0 | 39.4 | 5.8 |
| 50-99 | 0.9 | 0.0 | 6.1 | 5.6 | 0.2 | 4.0 | 0.0 | 1.7 |
| 100-249 | 2.2 | 0.0 | 4.5 | 2.1 | 24.2 | 0.0 | 0.0 | 3.4 |
| 250-499 | 0.6 | X | 15.8 | 0.7 | 5.1 | 0.0 | 0.0 | 2.9 |
| 500 and Over | 0.0 | 0.0 | 0.4 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Subtotal | 0.4 | 0.1 | 7.3 | 0.9 | 0.4 | 0.1 | 0.7 | 1.4 |
| Not Ascertained(f) | 0.0 | X | X | X | X | X | X | 0.0 |
| Total | 0.4 | 0.1 | 7.3 | 0.9 | 0.4 | 0.1 | 0.7 | 1.0 |
| Employment Size | | | | | | | | |
| Under 50 | 3.0 | 1.0 | 53.8 | 3.5 | 5.7 | 1.1 | X | 4.2 |
| 50-99 | 2.8 | 0.0 | 14.5 | 8.1 | 9.2 | 0.2 | 39.7 | 3.8 |
| 100-249 | 0.4 | 0.0 | 10.5 | 1.0 | 0.2 | 0.0 | 0.0 | 2.3 |
| 250-499 | 0.1 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 500-999 | 0.2 | 0.0 | 0.1 | 1.8 | 0.0 | 0.0 | X | 0.6 |
| 1000 and Over | 0.0 | X | 15.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| Subtotal | 0.4 | 0.1 | 7.3 | 0.9 | 0.4 | 0.1 | 0.7 | 1.4 |
| Not Ascertained(f) | 0.0 | X | X | X | X | X | X | 0.0 |
| Total | 0.4 | 0.1 | 7.3 | 0.9 | 0.4 | 0.1 | 0.7 | 1.0 |
| Northeast Census Region | | | | | | | | |
| Value of Shipments and Receipts | | | | | | | | |
| (million dollars) | | | | | | | | |
| Under 20 | 8.3 | X | 0.0 | 51.5 | 52.2 | X | X | 8.4 |
| 20-49 | 11.3 | X | 52.6 | 32.7 | 6.1 | 0.1 | 0.0 | 12.8 |
| 50-99 | 0.2 | X | 0.0 | 16.3 | 66.3 | 0.1 | 0.0 | 0.0 |
| 100-249 | 17.6 | X | 0.0 | 2.4 | 0.0 | 57.4 | 0.0 | 23.8 |
| 250-499 | 15.0 | X | X | 0.0 | 96.4 | 45.2 | X | 0.0 |
| 500 and Over | 0.0 | X | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| Total | 1.9 | X | 5.4 | 21.5 | 1.0 | 0.0 | 0.0 | 5.8 |
| Employment Size | | | | | | | | |
| Under 50 | 6.3 | X | 11.5 | 26.8 | 43.8 | X | X | 6.4 |
| 50-99 | 25.3 | X | 0.0 | 71.2 | 35.0 | 0.0 | 0.0 | 29.0 |
| 100-249 | 2.1 | X | 0.0 | 8.3 | 0.0 | 0.2 | 0.0 | 14.9 |
| 250-499 | 65.5 | X | 0.0 | 0.2 | 94.7 | 0.1 | X | 3.0 |
| 500-999 | 0.2 | X | 0.0 | 1.0 | X | 45.2 | X | 0.0 |
| 1000 and Over | 0.0 | X | X | X | 0.0 | 0.1 | 0.0 | 1.3 |
| Total | 1.9 | X | 5.4 | 21.5 | 1.0 | 0.0 | 0.0 | 5.8 |
| Midwest Census Region | | | | | | | | |
| Value of Shipments and Receipts | | | | | | | | |

(million dollars)

| | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|
| Under 20 | 8.5 | 51.3 | 81.6 | 46.0 | 59.4 | 43.0 | X | 7.8 |
| 20-49 | 29.1 | X | X | 52.1 | 70.4 | X | 39.7 | 11.9 |
| 50-99 | 0.7 | 0.0 | 9.1 | 11.3 | 0.0 | X | 0.0 | 0.1 |
| 100-249 | 0.3 | X | 0.0 | 0.3 | 0.0 | 0.0 | X | 1.1 |
| 250-499 | 0.9 | X | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 | 4.9 |
| 500 and Over | 0.1 | X | 6.3 | 0.9 | 0.0 | 0.0 | X | 0.0 |
| Total | 1.7 | 1.1 | 17.1 | 5.3 | 5.5 | 0.0 | 0.8 | 3.0 |

Employment Size

| | | | | | | | | |
|---------------|------|------|------|------|------|-----|------|------|
| Under 50 | 8.4 | 1.0 | 81.9 | 32.7 | 70.3 | 0.0 | X | 5.2 |
| 50-99 | 4.2 | 99.0 | 0.0 | 8.9 | 0.0 | 0.0 | 39.7 | 8.8 |
| 100-249 | 0.6 | X | 8.6 | 3.9 | 0.0 | 0.0 | 0.0 | 0.1 |
| 250-499 | 0.1 | X | 0.9 | 6.6 | 0.0 | 0.0 | 0.0 | 1.1 |
| 500-999 | 11.1 | X | X | 34.3 | 78.0 | 0.0 | X | 20.6 |
| 1000 and Over | 0.0 | X | 31.8 | 0.1 | 0.3 | 0.0 | 0.0 | 0.1 |
| Total | 1.7 | 1.1 | 17.1 | 5.3 | 5.5 | 0.0 | 0.8 | 3.0 |

South Census Region**Value of Shipments and Receipts****(million dollars)**

| | | | | | | | | |
|--------------|-----|------|------|------|------|------|-----|------|
| Under 20 | 9.5 | 89.5 | 78.2 | 0.3 | 94.4 | 75.1 | X | 11.8 |
| 20-49 | 7.3 | 0.0 | 32.7 | 16.7 | 54.2 | 26.1 | X | 7.5 |
| 50-99 | 1.5 | 0.0 | 9.7 | 7.4 | 0.1 | 6.9 | X | 3.0 |
| 100-249 | 3.6 | 0.0 | 84.4 | 3.8 | 37.3 | 0.0 | X | 3.8 |
| 250-499 | 0.7 | X | 2.0 | 0.4 | 6.5 | 0.0 | 0.0 | 3.9 |
| 500 and Over | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Total | 0.4 | 0.0 | 3.5 | 0.4 | 0.3 | 0.4 | 0.1 | 1.5 |

Employment Size

| | | | | | | | | |
|---------------|-----|------|------|------|------|------|-----|-----|
| Under 50 | 3.7 | 89.5 | 12.3 | 0.2 | 1.1 | 75.1 | X | 8.4 |
| 50-99 | 3.7 | 0.0 | 16.3 | 26.9 | 10.3 | 0.3 | X | 1.7 |
| 100-249 | 0.4 | 0.0 | 94.1 | 0.9 | 0.3 | 0.1 | X | 2.8 |
| 250-499 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 500-999 | 0.1 | 0.0 | 0.1 | 0.8 | 0.1 | 0.1 | X | 0.6 |
| 1000 and Over | 0.0 | X | 0.0 | 0.0 | 0.0 | 0.0 | X | 0.0 |
| Total | 0.4 | 0.0 | 3.5 | 0.4 | 0.3 | 0.4 | 0.1 | 1.5 |

West Census Region**Value of Shipments and Receipts****(million dollars)**

| | | | | | | | | |
|--------------|------|---|------|------|------|---|-----|------|
| Under 20 | 13.2 | X | 92.9 | 16.8 | 95.7 | X | X | 13.5 |
| 20-49 | 12.7 | X | 43.8 | 23.3 | 67.8 | X | X | 13.8 |
| 50-99 | 0.8 | X | 0.0 | 0.2 | 50.2 | X | X | 0.0 |
| 100-249 | 4.6 | X | 0.0 | 11.2 | 0.0 | X | 0.0 | 0.0 |
| 250-499 | 1.4 | X | 22.2 | 60.7 | X | X | 0.0 | 0.0 |
| 500 and Over | 3.7 | X | X | 0.0 | X | X | X | 38.0 |
| Total | 6.0 | X | 42.7 | 7.8 | 37.1 | X | 0.0 | 7.2 |

Employment Size

| | | | | | | | | |
|---------------|------|---|------|------|------|---|-----|------|
| Under 50 | 8.7 | X | 86.0 | 1.9 | 4.7 | X | X | 9.0 |
| 50-99 | 1.5 | X | 0.0 | 3.8 | 98.7 | X | X | 0.0 |
| 100-249 | 8.0 | X | 17.7 | 11.4 | 47.3 | X | 0.0 | 0.0 |
| 250-499 | 0.3 | X | 0.0 | 0.0 | X | X | 0.0 | 2.1 |
| 500-999 | 92.7 | X | X | 93.4 | X | X | X | 0.1 |
| 1000 and Over | 3.1 | X | X | 0.0 | X | X | X | 12.6 |
| Total | 6.0 | X | 42.7 | 7.8 | 37.1 | X | 0.0 | 7.2 |

(a) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

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

(c) '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.

(d) 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).

(e) '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. See also Footnote 'f'.

(f) Previously, the Manufacturing Energy Consumption Survey (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, "Feedstock and Offsite-Produced Fuel at Petroleum Refineries"). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the 'Other' column. However, other 'Miscellaneous Nonfuel Products' (i.e. lubricants, solvents, waxes, and special naphthas) from refineries, and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the 'Miscellaneous Nonfuel Products' used in manufacturing was derived using EIA's "U.S. Product Supplied for Crude Oil and Petroleum Products" data. The Miscellaneous Nonfuel Products are shown as a separate row, 'Not Ascertained,' under the 'Subtotal' for the 'Total United States' and this row is not allocated regionally. Therefore, the sum of the regional totals will equal the United States subtotal in the previous row. Because of the changes made to the 2014 MECS, the quantity in 'Other' for the petroleum refineries in Tables 1 and 2 is now less than it would otherwise be using the previous method. Similarly, the quantities in 'Other' for Chemicals (NAICS 325 and certain subindustries) and the asphalt industries (NAICS 324121 and 324122) are now larger than they would otherwise be under the previous method. The 2014 "Feedstock and Offsite-Produced Fuel at Petroleum Refineries" data may be found on EIA's website:

https://www.eia.gov/dnav/pet/pet_cons_psup_dc_nus_mbbl_a.htm

* 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. 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; woodchips, bark, and woodwaste 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.

Sources: Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2014 Annual Survey of Manufactures.'