

| 311 | Food |
| :---: | :---: |
| 3112 | Grain and Oilseed Milling |
| 311221 | Wet Corn Milling |
| 31131 | Sugar Manufacturing |
| 3114 | Fruit and Vegetable Preserving and Specialty Foods |
| 3115 | Dairy Products |
| 3116 | Animal Slaughtering and Processing |
| 312 | Beverage and Tobacco Products |
| 3121 | Beverages |
| 3122 | Tobacco |
| 313 | Textile Mills |
| 314 | Textile Product Mills |
| 315 | Apparel |
| 316 | Leather and Allied Products |
| 321 | Wood Products |
| 321113 | Sawmills |
| 3212 | Veneer, Plywood, and Engineered Woods |
| 321219 | Reconstituted Wood Products |
| 3219 | Other Wood Products |
| 322 | Paper |
| 322110 | Pulp Mills |
| 322121 | Paper Mills, except Newsprint |
| 322122 | Newsprint Mills |
| 322130 | Paperboard Mills |
| 323 | Printing and Related Support |
| 324 | Petroleum and Coal Products |
| 324110 | Petroleum Refineries |
| 324121 | Asphalt Paving Mixture and Block |
| 324199 | Other Petroleum and Coal Products |
| 325 | Chemicals |
| 325110 | Petrochemicals |
| 325120 | Industrial Gases |
| 325181 | Alkalies and Chlorine |
| 325182 | Carbon Black |
| 325188 | Other Basic Inorganic Chemicals |
| 325192 | Cyclic Crudes and Intermediates |
| 325193 | Ethyl Alcohol |
| 325199 | Other Basic Organic Chemicals |
| 325211 | Plastics Materials and Resins |
| 325212 | Synthetic Rubber |
| 325222 | Noncellulosic Organic Fibers |
| 325311 | Nitrogenous Fertilizers |
| 325312 | Phosphatic Fertilizers |
| 3254 | Pharmaceuticals and Medicines |
| 325412 | Pharmaceutical Preparation |
| 325992 | Photographic Film, Paper, Plate, and Chemicals |
| 326 | Plastics and Rubber Products |
| 327 | Nonmetallic Mineral Products |
| 327121 | Brick and Structural Clay Tile |
| 327211 | Flat Glass |
| 327212 | Other Pressed and Blown Glass and Glassware |
| 327213 | Glass Containers |
| 327215 | Glass Products from Purchased Glass |
| 327310 | Cements |
| 327410 | Lime |
| 327420 | Gypsum |
| 327993 | Mineral Wool |
| 331 | Primary Metals |
| 331111 | Iron and Steel Mills |
| 331112 | Electrometallurgical Ferroalloy Products |
| 3312 | Steel Products from Purchased Steel |

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Level: National Data
Row: NAICS Codes
Column: Energy Sources;

|  |  | Natural Gas(b) |  |  | Alternative Energy Sources(c) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NAICS | Selected Subsectors and Industry | Total Establishments Zonsuming Natural Gas(d | Switchable | $\begin{gathered} \text { Not } \\ \text { Switchable } \end{gathered}$ | Electricity Receipts(e) | Distillate Fuel Oil | Residual Fuel Oil | Coal | LPG | $\begin{gathered} \text { Coal Coke } \\ \text { and } \\ \text { Breeze } \\ \hline \end{gathered}$ | Other(f) |
| 3313 | Alumina and Aluminum | 288 | 45 | 265 | 20 | 12 | 0 | 0 | 22 | 0 | 0 |
| 331314 | Secondary Smelting and Alloying of Aluminum | 71 | 10 | 70 | 6 | w | 0 | 0 | w | 0 | 0 |
| 331315 | Aluminum Sheet, Plate and Foils | 61 | 7 | 60 | w | w | 0 | 0 | w | 0 | 0 |
| 331316 | Aluminum Extruded Products | 128 | 23 | 111 | 9 | w | 0 | 0 | 15 | 0 | 0 |
| 3314 | Nonferrous Metals, except Aluminum | 486 | 93 | 401 | 16 | 13 | Q | w | 60 | w | 0 |
| 331419 | Primary Smelting and Refining of Nonferrous Metals, except Copper and Alu | U 69 | 10 | 64 | 5 | 5 | 0 | 0 | w | 0 | 0 |
| 3315 | Foundries | 1,244 | 175 | 1,119 | 87 | 13 | 6 | w | 81 | w | Q |
| 331511 | Iron Foundries | 313 | 61 | 259 | 18 | w | w | w | 47 | 0 | 0 |
| 331521 | Aluminum Die-Casting Foundries | 135 | 35 | 112 | 21 | w | 0 | 0 | 15 | 0 | w |
| 331524 | Aluminum Foundries, except Die-Casting | 248 | 21 | 235 | 16 | w | 0 | 0 | 4 | 0 | w |
| 332 | Fabricated Metal Products | 23,127 | 1,942 | 19,562 | 1,098 | Q | w | 0 | 1,280 | 0 | Q |
| 333 | Machinery | 10,772 | 920 | 9,359 | 720 | Q | Q | 0 | 268 | 0 | Q |
| 334 | Computer and Electronic Products | 4,021 | 504 | 3,343 | 393 | 86 | w | 0 | 65 | 0 | 0 |
| 334413 | Semiconductors and Related Devices | 291 | 14 | 290 | 0 | 13 | w | 0 | 0 | 0 | 0 |
| 335 | Electrical Equip., Appliances, and Components | 2,786 | 241 | 2,617 | Q | 25 | 19 | 0 | Q | 0 | Q |
| 336 | Transportation Equipment | 4,667 | 634 | 4,021 | 270 | Q | 16 | w | 334 | 0 | Q |
| 336111 | Automobiles | 44 | w | w | 0 | w | 0 | w | 0 | 0 | w |
| 336112 | Light Trucks and Utility Vehicles | 38 | w | w | w | w | 0 | 0 | w | 0 | 0 |
| 3364 | Aerospace Product and Parts | 895 | 161 | 768 | 62 | 52 | w | 0 | 73 | 0 | w |
| 336411 | Aircraft | 255 | 59 | 240 | w | Q | 8 | 0 | Q | 0 | w |
| 337 | Furniture and Related Products | 5,022 | 557 | 3,875 | 376 | Q | Q | 0 | Q | 0 | 0 |
| 339 | Miscellaneous | 9,377 | 1,044 | 7,673 | 778 | Q | w | w | 408 | w | Q |
|  | Total | 115,999 | 13,898 | 97,130 | 7,714 | 2,890 | 1,363 | 591 | 5,303 | Q | 915 |

(a) The Bureau of the Census classifies estabishments using the North American
dustry Classification System (NAICS)
These counts include only those establishments that reported this activity in 2010
c) Alternit Energy Sources' consist of those energy sources that could
have been substituted for natural gas during 2010. The quantities are expressed
in billions of cubic feet, and therefore represent the quantity of natural gas
that could have been displaced by the given alternative type of energy.
(d) 'Total Consumed' represents those
(d) 'Total Consumed' represents those quantities (Total Inputs) of natural gas that were
swithable, plus an additional quantity for which
(e) 'Electricity Receipts' represents those quantities of electricity
generated off the manufacturing establishment site and available at the site for
consumption. It includes those quantities for which payment was made
quantities transferred in, quantities purchased and paid for by a central
purchasing entity, and quantities for which payment was made in kind. It does
not include electricity generated onsite. 'Electricity Receipts' has not been
adjusted to account for any quantities that might have been resold or
transferred out. The estimates include those quantities that were ascertained witchable or not switchable, plus an additional quantity for which the
witching status was not ascertained
spondents indicated could have been cons.
NF=No applicable RSE row/column facto

* Estimate less than 0.5
$W=$ Withheld to avoid disclosing data for individual establishments.
$\mathrm{Q}=$ Witheld becaus
$\mathrm{NA}=$ Not available.
Notes: Totals may not equal sum of components because of independent roundin
Source: U.S. Energy Information Administration, Office of Energ
Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturin
Energy Consumption Survey.

Alternative Energy Sources(c)
NAICS
Code(a) Selected Subsectors and Industry

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311 Food ( Grain and Oilseed Milling
    W1 Wet Corm Milling
31131 Sugar Manufacturing
3114 Fruit and Vegetable Preserving and Specialty Foods
3115 Dairy Products 
3116 Animal Slaughtering and Process
312 
3122 Tobacco
313 Textile Mills
314 Textile Product Mills
315 Apparel 
316 Leather and Allie
    Wood Product
        Sawmills
        Veneer, Plywood, and Engineered Woods
        Reconstituted Wood Products
3219
        Oner Wood Products
322 Paper
    322110 Pulp Mills
    322121 Paper Mills, except Newsprint
    322122 Newsprint Mills
323 Printing and Related Support
324 Petroleum and Coal Produc
324110 Petroleum Refineries
324121 Asphalt Paving Mixture and Block
    324199 Other Petroeum and Coal Products
325 Chemicals
    110 Petrochemicals
    325120 Industrial Gases
    325182 Carbon Black
    325188 Other Basic Inorganic Chemicals
    325192 Cyclic Crudes and Intermediates
    325193 Ethyl Alcohol
    325199 Other Basic Organic Chemicals
    $2511 Plastics Materials and Resins
    325212 Synthetic Rubber
    325222 Noncelluosic Organic Fibe
    325311 Nitrogenous Fertilizers
325312 Phosphatic Fertilizers
3254
325992 Photographic Film, Paper, Plate, and Chemicals
326 Plastics and Rubber Products
N27 Nonmetallic Mineral Products
    227121 Brick and Structural Clay Tile
    327212 Other Pressed and Blown Glass and Glassware
    327213 Glass Containers
    327215 Glass Products from Purchased Glass
    327310 Cements
    327410 Lime
    327420 Gypsum
327993 Mineral Woo
331
    Primary Metals
331111 Iron and Steel Mills
331112 Electrometallurgical Ferroalloy Products
Steel Products from Purchased Steel
3313 Alumina and Aluminum
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total United States

|  |  | Natural Gas(b) |  |  | Alternative Energy Sources(c) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NAICS Code(a) | Selected Subsectors and Industry | Total Establishments Zonsuming Natural Gas(d | Switchable | $\begin{gathered} \text { Not } \\ \text { Switchable } \end{gathered}$ | Electricity Receipts(e) | Distillate | Residual Fuel Oil | Coal | LPG |  | Coal Coke and Breeze | Other(f) |
| 331314 | Secondary Smelting and Alloying of Aluminum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $x$ | x |  | 0.0 | x | x |
| 331315 | Aluminum Sheet, Plate and Foils | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | x | x |  | 0.0 | x | x |
| 331316 | Aluminum Extruded Products | 1.3 | 16.5 | 3.5 | 41.5 | 33.1 | $\times$ | $\times$ |  | 6.7 | x | x |
| 3314 | Nonferrous Metals, except Aluminum | 6.3 | 31.4 | 8.3 | 27.1 | 7.8 | 80.5 | 11.1 |  | 43.5 | 11.1 | x |
| 331419 | Primary Smelting and Refining of Nonferrous Metals, except Copper and Alu | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | x | x |  | 0.0 | x | $\times$ |
| 3315 | Foundries | 1.6 | 11.8 | 2.1 | 17.6 | 31.3 | 13.3 | 18.8 |  | 12.4 | 29.6 | 66.6 |
| 331511 | Iron Foundries | 1.4 | 16.8 | 3.7 | 30.0 | 50.9 | 6.5 | 6.5 |  | 20.7 | x | x |
| 331521 | Aluminum Die-Casting Foundries | 11.8 | 26.2 | 12.8 | 43.0 | 11.7 | x | x |  | 12.5 | x | 48.0 |
| 331524 | Aluminum Foundries, except Die-Casting | 2.7 | 22.6 | 3.3 | 27.5 | 12.3 | x | x |  | 12.3 | x | 12.3 |
| 332 | Fabricated Metal Products | 4.2 | 24.8 | 5.3 | 33.8 | 55.5 | 99.4 | x |  | 30.6 | x | 93.2 |
| 333 | Machinery | 4.1 | 25.9 | 5.1 | 30.0 | 63.0 | 69.1 | x |  | 47.0 | x | 56.8 |
| 334 | Computer and Electronic Products | 8.1 | 31.5 | 9.8 | 39.3 | 44.4 | 6.4 | x |  | 49.9 | x | x |
| 334413 | Semiconductors and Related Devices | 14.0 | 15.6 | 14.0 | x | 15.7 | 14.9 | x |  | x | x | $\times$ |
| 335 | Electrical Equip., Appliances, and Components | 5.5 | 37.6 | 6.4 | 53.2 | 45.2 | 46.5 | x |  | 71.8 | x | 66.1 |
| 336 | Transportation Equipment | 5.8 | 25.2 | 7.1 | 42.2 | 51.7 | 12.3 | 63.4 |  | 35.4 | x | 74.1 |
| 336111 | Automobiles | 0.0 | 0.0 | 0.0 | x | 0.0 | x | 0.0 |  | $\times$ | x | 0.0 |
| 336112 | Light Trucks and Utility Vehicles | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\times$ | x |  | 0.0 | x | $\times$ |
| 3364 | Aerospace Product and Parts | 5.4 | 23.4 | 7.2 | 46.3 | 44.6 | 12.4 | x |  | 40.0 | x | 86.3 |
| 336411 | Aircraft | 3.4 | 37.0 | 5.6 | 16.8 | 67.8 | 16.8 | x |  | 51.5 | x | 16.8 |
| 337 | Furniture and Related Products | 7.1 | 29.3 | 9.3 | 37.9 | 74.0 | 98.7 | x |  | 52.5 | x | x |
| 339 | Miscellaneous | 4.9 | 24.7 | 6.4 | 29.1 | 74.8 | 59.1 | 98.8 |  | 41.1 | 98.8 | 64.2 |
|  | Total | 1.4 | 6.1 | 1.8 | 9.2 | 9.0 | 16.4 | 33.5 |  | 10.5 | 55.0 | 23.2 |

(a) The Bureau of the Census classifies establishments using the North American
dustry Classification System (NAICS)
(b) These counts include only those establishments that reported this activity in 2010 .
(c) 'Alternative Energy Sources' consist of those energy sources that could
have been substituted for natural gas during 2010. The quantities are expresse
in billions of cubic feet, and therefore represent the quantity of natural gas
that could have been displaced by the given alternative type of energy.
(d) 'Total Consumed' represents those quantities (Total Inputs) of natural gas that were
ascertained switchable or not switchable, plus an additional quantity for which
he switching status was not ascertained.
(e) 'Electricity Receipts' represents those quantities of electricity
generated off the manufacturing establishment site and available at the site for
quantities transferred in, quantities purchased and paid for by a central
purchasing entity, and quantities for which payment was made in kind. It does
not include electricity generated onsite. 'Electricity Receipts' has not been
adjusted to account for any quantities that might have been resold or
ansterred out. The estimates include those quantities that were ascertained
switching status was not ascertained.
(f) 'Other' includes all other types of energy not already identified that
espondents indicated could have been consumed in place of natural gas

| NF=No applicable RSE |
| :--- |
| *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 percen.
$\mathrm{NA}=$ Not available.
N=Not defined because RSE corresponds to a value of zero.
Nource: Uats. Energy net Information of components because of independent rounding
Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing
Energy Consumption Survey

