

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|----------------------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| Total United States | | | | | | | |
| 311 - 339 | ALL MANUFACTURING INDUSTRIES | | | | | | |
| | TOTAL FUEL CONSUMPTION | 977,338 | 40 | 22 | 5,357 | 21 | 46 |
| | Indirect Uses-Boiler Fuel | 24,584 | 21 | 4 | 2,059 | 2 | 25 |
| | Conventional Boiler Use | 24,584 | 11 | 3 | 1,245 | 2 | 6 |
| | CHP and/or Cogeneration Process | 0 | 10 | 1 | 814 | * | 19 |
| | Direct Uses-Total Process | 773,574 | 10 | 9 | 2,709 | 10 | 19 |
| | Process Heating | 111,205 | 9 | 3 | 2,417 | 8 | 16 |
| | Process Cooling and Refrigeration | 66,339 | * | * | 31 | * | * |
| | Machine Drive | 507,223 | * | 4 | 126 | * | 3 |
| | Electro-Chemical Processes | 74,825 | -- | -- | -- | -- | -- |
| | Other Process Use | 13,983 | * | 1 | 136 | 1 | * |
| | Direct Uses-Total Nonprocess | 170,536 | 1 | 9 | 426 | 7 | * |
| | Facility HVAC (g) | 83,480 | 1 | 1 | 367 | 1 | * |
| | Facility Lighting | 62,902 | -- | -- | -- | -- | -- |
| | Other Facility Support | 19,187 | * | * | 29 | * | * |
| | Onsite Transportation | 2,291 | -- | 6 | 3 | 5 | -- |
| | Conventional Electricity Generation | -- | * | 1 | 19 | * | * |
| | Other Nonprocess Use | 2,676 | * | 1 | 8 | * | * |
| | End Use Not Reported | 8,643 | 8 | 1 | 164 | 1 | 2 |
| 311 | FOOD | | | | | | |
| | TOTAL FUEL CONSUMPTION | 78,003 | 4 | 3 | 618 | 1 | 7 |
| | Indirect Uses-Boiler Fuel | 2,123 | 4 | 1 | 344 | * | 6 |
| | Conventional Boiler Use | 2,123 | 3 | 1 | 319 | * | 1 |
| | CHP and/or Cogeneration Process | 0 | 1 | * | 26 | * | 5 |
| | Direct Uses-Total Process | 60,940 | * | 1 | 225 | * | * |
| | Process Heating | 4,696 | * | * | 203 | * | * |
| | Process Cooling and Refrigeration | 20,270 | * | * | 2 | 0 | 0 |
| | Machine Drive | 35,339 | * | * | 10 | * | 0 |
| | Electro-Chemical Processes | 113 | -- | -- | -- | -- | -- |
| | Other Process Use | 520 | * | * | 10 | * | 0 |
| | Direct Uses-Total Nonprocess | 14,055 | * | 1 | 39 | * | * |
| | Facility HVAC (g) | 6,217 | * | * | 29 | * | * |
| | Facility Lighting | 5,472 | -- | -- | -- | -- | -- |
| | Other Facility Support | 1,872 | * | * | 8 | * | 0 |
| | Onsite Transportation | 237 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 258 | 0 | * | 1 | * | 0 |
| | End Use Not Reported | 885 | * | * | 9 | * | * |
| 3112 | Grain and Oilseed Milling | | | | | | |
| | TOTAL FUEL CONSUMPTION | 18,310 | * | * | 115 | * | 5 |
| | Indirect Uses-Boiler Fuel | 692 | * | * | 63 | * | 4 |
| | Conventional Boiler Use | 692 | * | * | 54 | * | 1 |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | CHP and/or Cogeneration Process | 0 | 0 | * | 8 | 0 | 4 |
| | Direct Uses-Total Process | 15,742 | 0 | * | 48 | * | * |
| | Process Heating | 422 | 0 | * | 44 | * | * |
| | Process Cooling and Refrigeration | 1,568 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 13,667 | 0 | * | 2 | * | 0 |
| | Electro-Chemical Processes | 4 | -- | -- | -- | -- | -- |
| | Other Process Use | 80 | 0 | * | 1 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 1,489 | 0 | * | 3 | * | * |
| | Facility HVAC (g) | 676 | 0 | * | 3 | * | * |
| | Facility Lighting | 624 | -- | -- | -- | -- | -- |
| | Other Facility Support | 165 | 0 | * | * | * | 0 |
| | Onsite Transportation | 24 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | * | 0 |
| | End Use Not Reported | 387 | 0 | * | 1 | * | * |
| 311221 | Wet Corn Milling | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,142 | * | * | 51 | * | 4 |
| | Indirect Uses-Boiler Fuel | 470 | * | * | 23 | * | 4 |
| | Conventional Boiler Use | 470 | * | 0 | 17 | * | 1 |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 6 | 0 | 3 |
| | Direct Uses-Total Process | 7,849 | 0 | * | 27 | * | * |
| | Process Heating | 103 | 0 | * | 27 | * | * |
| | Process Cooling and Refrigeration | 1,061 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 6,665 | 0 | * | 0 | * | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | 21 | 0 | * | 0 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 435 | 0 | * | 1 | * | 0 |
| | Facility HVAC (g) | 210 | 0 | 0 | 1 | * | 0 |
| | Facility Lighting | 185 | -- | -- | -- | -- | -- |
| | Other Facility Support | 40 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | * | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | * | 0 | 0 | 0 |
| | End Use Not Reported | 387 | 0 | 0 | 0 | * | * |
| 31131 | Sugar | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,919 | 1 | * | 17 | * | 1 |
| | Indirect Uses-Boiler Fuel | 78 | 1 | * | 12 | * | 1 |
| | Conventional Boiler Use | 78 | 1 | * | 2 | 0 | * |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 10 | * | 1 |
| | Direct Uses-Total Process | 1,491 | * | * | 4 | * | * |
| | Process Heating | 39 | * | * | 4 | 0 | * |
| | Process Cooling and Refrigeration | 30 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 1,419 | 0 | * | * | 0 | 0 |
| | Electro-Chemical Processes | 3 | -- | -- | -- | -- | -- |
| | Other Process Use | 0 | 0 | 0 | 0 | * | 0 |
| | Direct Uses-Total Nonprocess | 349 | 0 | * | 1 | * | * |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Facility HVAC (g) | 111 | 0 | 0 | * | * | * |
| | Facility Lighting | 121 | -- | -- | -- | -- | -- |
| | Other Facility Support | 14 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | * | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 103 | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 0 | * | 0 |
| 3114 | Fruit and Vegetable Preserving and Specialty Foods | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,976 | * | * | 123 | * | * |
| | Indirect Uses-Boiler Fuel | 255 | * | * | 88 | * | * |
| | Conventional Boiler Use | 255 | * | * | 85 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 4 | 0 | 0 |
| | Direct Uses-Total Process | 7,951 | * | * | 27 | * | 0 |
| | Process Heating | 793 | * | * | 26 | * | 0 |
| | Process Cooling and Refrigeration | 3,728 | 0 | * | * | 0 | 0 |
| | Machine Drive | 3,388 | 0 | * | 1 | * | 0 |
| | Electro-Chemical Processes | 8 | -- | -- | -- | -- | -- |
| | Other Process Use | 34 | * | 0 | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 1,759 | * | * | 8 | * | 0 |
| | Facility HVAC (g) | 714 | * | * | 6 | * | 0 |
| | Facility Lighting | 739 | -- | -- | -- | -- | -- |
| | Other Facility Support | 226 | 0 | * | 2 | * | 0 |
| | Onsite Transportation | 56 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | * | 0 |
| | End Use Not Reported | Q | 0 | * | * | 0 | 0 |
| 3115 | Dairy Products | | | | | | |
| | TOTAL FUEL CONSUMPTION | 10,123 | * | * | 80 | * | * |
| | Indirect Uses-Boiler Fuel | 186 | * | * | 36 | * | 0 |
| | Conventional Boiler Use | 186 | * | * | 35 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 1 | 0 | 0 |
| | Direct Uses-Total Process | 7,937 | * | * | 37 | * | 0 |
| | Process Heating | 498 | * | * | 30 | * | 0 |
| | Process Cooling and Refrigeration | 3,204 | 0 | * | * | 0 | 0 |
| | Machine Drive | 4,022 | 0 | * | 2 | * | 0 |
| | Electro-Chemical Processes | 31 | -- | -- | -- | -- | -- |
| | Other Process Use | Q | 0 | * | 5 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 1,967 | * | * | 4 | * | 0 |
| | Facility HVAC (g) | 858 | * | * | 4 | * | 0 |
| | Facility Lighting | 776 | -- | -- | -- | -- | -- |
| | Other Facility Support | 215 | * | * | 1 | * | 0 |
| | Onsite Transportation | 53 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | 66 | 0 | * | * | * | 0 |
| | End Use Not Reported | Q | 0 | * | 2 | * | * |

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| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| 3116 | Animal Slaughtering and Processing | | | | | | |
| | TOTAL FUEL CONSUMPTION | 17,562 | 1 | 1 | 141 | * | 0 |
| | Indirect Uses-Boiler Fuel | 437 | * | * | 95 | * | 0 |
| | Conventional Boiler Use | 437 | * | * | 95 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 13,967 | * | * | 35 | * | 0 |
| | Process Heating | 944 | * | * | 29 | * | 0 |
| | Process Cooling and Refrigeration | 7,401 | * | * | 1 | 0 | 0 |
| | Machine Drive | 5,414 | * | * | 3 | * | 0 |
| | Electro-Chemical Processes | 18 | -- | -- | -- | -- | -- |
| | Other Process Use | 191 | 0 | * | 2 | * | 0 |
| | Direct Uses-Total Nonprocess | 3,030 | * | * | 11 | * | 0 |
| | Facility HVAC (g) | 1,264 | * | * | 8 | * | 0 |
| | Facility Lighting | 1,285 | -- | -- | -- | -- | -- |
| | Other Facility Support | 391 | * | * | 3 | * | 0 |
| | Onsite Transportation | 33 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | 58 | 0 | * | * | * | 0 |
| | End Use Not Reported | 127 | * | * | * | * | 0 |
| 312 | BEVERAGE AND TOBACCO PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,480 | * | * | 40 | * | 1 |
| | Indirect Uses-Boiler Fuel | 81 | * | * | 29 | * | 1 |
| | Conventional Boiler Use | 81 | * | * | 26 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 3 | 0 | 1 |
| | Direct Uses-Total Process | 6,766 | * | * | 7 | * | * |
| | Process Heating | 293 | * | 0 | 4 | * | 0 |
| | Process Cooling and Refrigeration | 2,448 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 3,783 | 0 | * | 1 | * | * |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | 219 | 0 | * | 2 | * | * |
| | Direct Uses-Total Nonprocess | 2,602 | * | * | 4 | * | * |
| | Facility HVAC (g) | 1,188 | * | * | 4 | * | * |
| | Facility Lighting | 987 | -- | -- | -- | -- | -- |
| | Other Facility Support | 273 | 0 | * | * | * | * |
| | Onsite Transportation | 37 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | 118 | 0 | * | * | * | * |
| | End Use Not Reported | Q | 0 | * | * | * | 0 |
| 3121 | Beverages | | | | | | |
| | TOTAL FUEL CONSUMPTION | 8,158 | * | * | 37 | * | 1 |
| | Indirect Uses-Boiler Fuel | 66 | * | * | 27 | * | 1 |
| | Conventional Boiler Use | 66 | * | * | 24 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 3 | 0 | 1 |
| | Direct Uses-Total Process | 6,132 | 0 | * | 6 | * | * |

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|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Process Heating | 254 | 0 | 0 | 4 | * | 0 |
| | Process Cooling and Refrigeration | 2,358 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 3,281 | 0 | * | 1 | * | * |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | 217 | 0 | * | 2 | * | * |
| | Direct Uses-Total Nonprocess | 1,930 | 0 | * | 4 | * | * |
| | Facility HVAC (g) | 731 | 0 | * | 4 | * | * |
| | Facility Lighting | 823 | -- | -- | -- | -- | -- |
| | Other Facility Support | 224 | 0 | * | * | * | 0 |
| | Onsite Transportation | 35 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 118 | 0 | * | * | * | * |
| | End Use Not Reported | Q | 0 | * | * | * | 0 |
| 3122 | Tobacco | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,322 | * | * | 3 | * | * |
| | Indirect Uses-Boiler Fuel | 15 | * | * | 2 | * | * |
| | Conventional Boiler Use | 15 | * | * | 2 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | * |
| | Direct Uses-Total Process | 634 | * | * | * | * | 0 |
| | Process Heating | 39 | * | 0 | * | 0 | 0 |
| | Process Cooling and Refrigeration | 90 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 502 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | 3 | 0 | 0 | * | * | 0 |
| | Direct Uses-Total Nonprocess | 673 | * | * | * | * | * |
| | Facility HVAC (g) | 457 | * | * | * | * | * |
| | Facility Lighting | 164 | -- | -- | -- | -- | -- |
| | Other Facility Support | 49 | 0 | 0 | * | * | * |
| | Onsite Transportation | 2 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | 0 | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 0 | * | 0 |
| 313 | TEXTILE MILLS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 19,753 | * | * | 63 | * | 1 |
| | Indirect Uses-Boiler Fuel | 188 | * | * | 33 | * | 1 |
| | Conventional Boiler Use | 188 | * | * | 33 | * | 1 |
| | CHP and/or Cogeneration Process | 0 | 0 | * | * | 0 | Q |
| | Direct Uses-Total Process | 15,234 | * | * | 22 | * | 0 |
| | Process Heating | 1,942 | * | 0 | 21 | * | 0 |
| | Process Cooling and Refrigeration | 2,622 | * | 0 | 0 | 0 | 0 |
| | Machine Drive | 10,480 | * | * | Q | * | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | Q | * | 0 | Q | 0 | 0 |
| | Direct Uses-Total Nonprocess | 4,332 | * | * | 8 | * | 0 |
| | Facility HVAC (g) | 2,211 | * | * | 7 | * | 0 |
| | Facility Lighting | 1,660 | -- | -- | -- | -- | -- |

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|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Other Facility Support | 363 | * | * | * | 0 | 0 |
| | Onsite Transportation | 53 | -- | * | Q | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | 0 | 0 | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | * | 0 |
| 314 | TEXTILE PRODUCT MILLS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 5,972 | * | * | 45 | * | * |
| | Indirect Uses-Boiler Fuel | Q | * | * | 16 | * | * |
| | Conventional Boiler Use | Q | * | * | 15 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | * | * | 0 | 0 |
| | Direct Uses-Total Process | 3,941 | 0 | 0 | Q | * | * |
| | Process Heating | 647 | 0 | 0 | Q | * | * |
| | Process Cooling and Refrigeration | 505 | 0 | 0 | Q | 0 | 0 |
| | Machine Drive | 2,568 | 0 | 0 | * | * | 0 |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | 210 | 0 | 0 | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 1,763 | 0 | * | 3 | * | * |
| | Facility HVAC (g) | 818 | 0 | * | 3 | * | * |
| | Facility Lighting | 599 | -- | -- | -- | -- | -- |
| | Other Facility Support | 210 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 132 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 5 | 0 | * | * | * | 0 |
| | End Use Not Reported | Q | 0 | 0 | Q | * | * |
| 315 | APPAREL | | | | | | |
| | TOTAL FUEL CONSUMPTION | 2,060 | * | * | 7 | * | 0 |
| | Indirect Uses-Boiler Fuel | Q | * | * | 4 | * | 0 |
| | Conventional Boiler Use | Q | * | * | 4 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 895 | 0 | 0 | 2 | * | 0 |
| | Process Heating | 107 | 0 | 0 | Q | * | 0 |
| | Process Cooling and Refrigeration | Q | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 679 | 0 | 0 | Q | 0 | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | Q | 0 | 0 | * | * | 0 |
| | Direct Uses-Total Nonprocess | 1,102 | 0 | * | 1 | * | 0 |
| | Facility HVAC (g) | 624 | 0 | 0 | 1 | 0 | 0 |
| | Facility Lighting | 369 | -- | -- | -- | -- | -- |
| | Other Facility Support | 101 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | Q | -- | 0 | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | 0 | 0 | 0 | 0 |
| | End Use Not Reported | Q | 0 | * | * | * | 0 |
| 316 | LEATHER AND ALLIED PRODUCTS | | | | | | |

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|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | TOTAL FUEL CONSUMPTION | 413 | * | * | 1 | * | 0 |
| | Indirect Uses-Boiler Fuel | 3 | * | * | * | 0 | 0 |
| | Conventional Boiler Use | 3 | * | * | * | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 225 | 0 | 0 | 1 | * | 0 |
| | Process Heating | 20 | 0 | 0 | 1 | * | 0 |
| | Process Cooling and Refrigeration | 7 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 194 | 0 | 0 | * | 0 | 0 |
| | Electro-Chemical Processes | * | -- | -- | -- | -- | -- |
| | Other Process Use | Q | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 146 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 51 | 0 | * | * | * | 0 |
| | Facility Lighting | 68 | -- | -- | -- | -- | -- |
| | Other Facility Support | 14 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | Q | -- | 0 | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 12 | 0 | * | 0 | 0 | 0 |
| | End Use Not Reported | 37 | 0 | 0 | * | 0 | 0 |
| 321 | WOOD PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 28,911 | 1 | 3 | 84 | 1 | Q |
| | Indirect Uses-Boiler Fuel | 672 | * | * | 24 | * | * |
| | Conventional Boiler Use | 672 | * | * | 15 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 9 | * | * |
| | Direct Uses-Total Process | 23,881 | * | * | 51 | * | Q |
| | Process Heating | 2,158 | * | * | 46 | * | Q |
| | Process Cooling and Refrigeration | 379 | 0 | * | * | 0 | 0 |
| | Machine Drive | 21,080 | * | * | Q | * | 0 |
| | Electro-Chemical Processes | 150 | -- | -- | -- | -- | -- |
| | Other Process Use | 113 | * | * | 3 | * | 0 |
| | Direct Uses-Total Nonprocess | 3,759 | * | 2 | 7 | 1 | 0 |
| | Facility HVAC (g) | 1,327 | * | * | 6 | * | 0 |
| | Facility Lighting | 1,940 | -- | -- | -- | -- | -- |
| | Other Facility Support | 419 | * | * | * | * | 0 |
| | Onsite Transportation | 40 | -- | 2 | * | 1 | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | 33 | 0 | * | * | * | 0 |
| | End Use Not Reported | 599 | * | * | 2 | * | * |
| 321113 | Sawmills | | | | | | |
| | TOTAL FUEL CONSUMPTION | 8,691 | * | 1 | 12 | * | 0 |
| | Indirect Uses-Boiler Fuel | 292 | * | * | Q | * | 0 |
| | Conventional Boiler Use | 292 | * | * | Q | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | * | * | 0 | 0 |
| | Direct Uses-Total Process | 7,273 | * | * | 4 | * | 0 |
| | Process Heating | 758 | * | * | 4 | * | 0 |
| | Process Cooling and Refrigeration | 65 | 0 | * | 0 | 0 | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Machine Drive | 6,420 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 10 | -- | -- | -- | -- | -- |
| | Other Process Use | 20 | 0 | * | 0 | * | 0 |
| | Direct Uses-Total Nonprocess | 951 | * | 1 | * | * | 0 |
| | Facility HVAC (g) | 322 | * | * | * | * | 0 |
| | Facility Lighting | 487 | -- | -- | -- | -- | -- |
| | Other Facility Support | 120 | 0 | * | * | * | 0 |
| | Onsite Transportation | 12 | -- | 1 | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | 10 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 175 | 0 | * | 1 | * | 0 |
| 3212 | Veneer, Plywood, and Engineered Woods | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,976 | * | * | 44 | 1 | * |
| | Indirect Uses-Boiler Fuel | 316 | * | * | 14 | * | * |
| | Conventional Boiler Use | 316 | * | * | 5 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 9 | 0 | * |
| | Direct Uses-Total Process | 8,192 | * | * | 26 | * | * |
| | Process Heating | 657 | * | * | 22 | * | * |
| | Process Cooling and Refrigeration | 122 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 7,257 | 0 | * | Q | * | 0 |
| | Electro-Chemical Processes | 94 | -- | -- | -- | -- | -- |
| | Other Process Use | 62 | 0 | * | 3 | * | 0 |
| | Direct Uses-Total Nonprocess | 1,179 | 0 | * | 1 | 1 | 0 |
| | Facility HVAC (g) | 478 | 0 | * | 1 | * | 0 |
| | Facility Lighting | 575 | -- | -- | -- | -- | -- |
| | Other Facility Support | 121 | 0 | * | * | * | 0 |
| | Onsite Transportation | Q | -- | * | 0 | 1 | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | 0 | 0 |
| | End Use Not Reported | 288 | 0 | * | 1 | * | * |
| 3219 | Other Wood Products | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,779 | * | 1 | 27 | * | Q |
| | Indirect Uses-Boiler Fuel | 54 | * | * | 3 | * | 0 |
| | Conventional Boiler Use | 54 | * | * | 3 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | * | 0 |
| | Direct Uses-Total Process | 8,039 | * | * | Q | * | Q |
| | Process Heating | 715 | 0 | * | Q | * | Q |
| | Process Cooling and Refrigeration | 166 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 7,089 | * | * | * | * | 0 |
| | Electro-Chemical Processes | 44 | -- | -- | -- | -- | -- |
| | Other Process Use | 24 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 1,554 | 0 | 1 | 5 | * | 0 |
| | Facility HVAC (g) | 495 | 0 | * | 4 | * | 0 |
| | Facility Lighting | 851 | -- | -- | -- | -- | -- |
| | Other Facility Support | 163 | 0 | * | * | * | 0 |
| | Onsite Transportation | 24 | -- | 1 | 0 | * | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | * | 0 |
| | End Use Not Reported | 132 | * | * | * | * | 0 |
| 322 | PAPER | | | | | | |
| | TOTAL FUEL CONSUMPTION | 122,168 | 15 | 2 | 461 | 1 | 10 |
| | Indirect Uses-Boiler Fuel | 9,088 | W | 1 | 269 | * | 9 |
| | Conventional Boiler Use | 9,088 | W | * | 117 | * | 1 |
| | CHP and/or Cogeneration Process | 0 | 7 | * | 153 | * | 8 |
| | Direct Uses-Total Process | 100,228 | 4 | * | 138 | * | W |
| | Process Heating | 5,142 | 4 | * | 120 | * | W |
| | Process Cooling and Refrigeration | 1,929 | * | 0 | 2 | 0 | * |
| | Machine Drive | 90,625 | * | * | 12 | * | * |
| | Electro-Chemical Processes | 1,227 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,305 | 0 | * | 4 | * | 0 |
| | Direct Uses-Total Nonprocess | 11,721 | * | * | 17 | 1 | * |
| | Facility HVAC (g) | 5,278 | * | * | 13 | * | * |
| | Facility Lighting | 4,806 | -- | -- | -- | -- | -- |
| | Other Facility Support | 1,303 | * | * | 1 | * | * |
| | Onsite Transportation | 193 | -- | * | * | 1 | -- |
| | Conventional Electricity Generation | -- | * | * | 3 | * | * |
| | Other Nonprocess Use | 142 | 0 | * | * | * | 0 |
| | End Use Not Reported | 1,132 | W | * | 36 | * | W |
| 322110 | Pulp Mills | | | | | | |
| | TOTAL FUEL CONSUMPTION | 6,124 | 2 | 1 | 13 | * | * |
| | Indirect Uses-Boiler Fuel | 211 | 1 | * | 7 | * | * |
| | Conventional Boiler Use | 211 | * | * | 4 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 1 | * | 3 | 0 | * |
| | Direct Uses-Total Process | 4,706 | 1 | * | 5 | * | 0 |
| | Process Heating | 264 | 1 | * | 5 | * | 0 |
| | Process Cooling and Refrigeration | 115 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 4,326 | 0 | * | * | 0 | 0 |
| | Electro-Chemical Processes | 1 | -- | -- | -- | -- | -- |
| | Other Process Use | 0 | 0 | * | 0 | * | 0 |
| | Direct Uses-Total Nonprocess | 566 | * | * | * | * | 0 |
| | Facility HVAC (g) | 259 | * | 0 | * | 0 | 0 |
| | Facility Lighting | 205 | -- | -- | -- | -- | -- |
| | Other Facility Support | 102 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 0 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | * | 0 | 0 | 0 |
| | End Use Not Reported | 641 | * | * | 1 | 0 | 0 |
| 322121 | Paper Mills, except Newsprint | | | | | | |
| | TOTAL FUEL CONSUMPTION | 46,297 | 8 | * | 169 | * | 6 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Indirect Uses-Boiler Fuel | 1,917 | 5 | * | 92 | * | 5 |
| | Conventional Boiler Use | 1,917 | 1 | * | 38 | * | * |
| | CHP and/or Cogeneration Process | 0 | 4 | * | 54 | * | 5 |
| | Direct Uses-Total Process | 39,665 | 2 | * | 64 | * | * |
| | Process Heating | 2,414 | 2 | * | 53 | * | * |
| | Process Cooling and Refrigeration | 676 | * | 0 | 2 | 0 | * |
| | Machine Drive | 36,147 | * | * | 9 | * | * |
| | Electro-Chemical Processes | 96 | -- | -- | -- | -- | -- |
| | Other Process Use | 333 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 4,715 | * | * | 6 | * | * |
| | Facility HVAC (g) | 2,168 | * | * | 4 | * | * |
| | Facility Lighting | 1,937 | -- | -- | -- | -- | -- |
| | Other Facility Support | 535 | * | * | * | * | * |
| | Onsite Transportation | 36 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | * | 0 | 1 | 0 | * |
| | Other Nonprocess Use | 38 | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | * | 7 | * | 0 |
| 322122 | Newsprint Mills | | | | | | |
| | TOTAL FUEL CONSUMPTION | 10,970 | * | * | 8 | * | 1 |
| | Indirect Uses-Boiler Fuel | 134 | * | * | 6 | * | 1 |
| | Conventional Boiler Use | 134 | * | * | * | * | 0 |
| | CHP and/or Cogeneration Process | 0 | * | * | 6 | 0 | 1 |
| | Direct Uses-Total Process | 9,864 | 0 | * | 2 | * | 0 |
| | Process Heating | 361 | 0 | 0 | 1 | * | 0 |
| | Process Cooling and Refrigeration | 177 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 8,689 | 0 | * | 0 | * | 0 |
| | Electro-Chemical Processes | 637 | -- | -- | -- | -- | -- |
| | Other Process Use | 0 | 0 | * | 1 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 972 | * | * | * | * | 0 |
| | Facility HVAC (g) | 353 | * | 0 | * | 0 | 0 |
| | Facility Lighting | 355 | -- | -- | -- | -- | -- |
| | Other Facility Support | 103 | * | * | * | 0 | 0 |
| | Onsite Transportation | 105 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 55 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | 0 | 0 |
| 322130 | Paperboard Mills | | | | | | |
| | TOTAL FUEL CONSUMPTION | 39,305 | 5 | 1 | 138 | * | 3 |
| | Indirect Uses-Boiler Fuel | 4,626 | W | 1 | 100 | 0 | 2 |
| | Conventional Boiler Use | 4,626 | W | * | 39 | 0 | * |
| | CHP and/or Cogeneration Process | 0 | 2 | * | 61 | 0 | 2 |
| | Direct Uses-Total Process | 32,279 | 1 | * | 30 | * | W |
| | Process Heating | 1,412 | 1 | * | 26 | * | W |
| | Process Cooling and Refrigeration | 373 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 29,267 | * | * | 3 | * | 0 |
| | Electro-Chemical Processes | 461 | -- | -- | -- | -- | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Other Process Use | 767 | 0 | * | 2 | * | 0 |
| | Direct Uses-Total Nonprocess | 2,106 | * | * | 3 | * | * |
| | Facility HVAC (g) | 844 | * | * | 1 | * | * |
| | Facility Lighting | 972 | -- | -- | -- | -- | -- |
| | Other Facility Support | 256 | 0 | * | 1 | * | 0 |
| | Onsite Transportation | 2 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | * | * | 1 | 0 | 0 |
| | Other Nonprocess Use | 31 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 294 | W | * | 5 | * | W |
| 323 | PRINTING AND RELATED SUPPORT | | | | | | |
| | TOTAL FUEL CONSUMPTION | 13,005 | * | * | 38 | * | 0 |
| | Indirect Uses-Boiler Fuel | 98 | 0 | 0 | 5 | * | 0 |
| | Conventional Boiler Use | 98 | 0 | 0 | 5 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 7,979 | 0 | * | 26 | * | 0 |
| | Process Heating | 374 | 0 | 0 | 25 | * | 0 |
| | Process Cooling and Refrigeration | 767 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 6,738 | 0 | * | Q | * | 0 |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | 49 | 0 | 0 | * | * | 0 |
| | Direct Uses-Total Nonprocess | 4,653 | * | * | 7 | * | 0 |
| | Facility HVAC (g) | 2,433 | * | * | 7 | * | 0 |
| | Facility Lighting | 1,570 | -- | -- | -- | -- | -- |
| | Other Facility Support | 545 | * | * | * | * | 0 |
| | Onsite Transportation | Q | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | * | 0 |
| | End Use Not Reported | 275 | 0 | 0 | Q | * | 0 |
| 324 | PETROLEUM AND COAL PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 60,149 | 9 | 4 | 825 | 7 | 2 |
| | Indirect Uses-Boiler Fuel | 798 | W | 1 | 272 | 1 | * |
| | Conventional Boiler Use | 798 | W | * | 116 | 1 | * |
| | CHP and/or Cogeneration Process | 0 | * | * | 156 | * | * |
| | Direct Uses-Total Process | 55,138 | 2 | 3 | 529 | 6 | 2 |
| | Process Heating | 2,226 | 2 | 2 | 490 | 5 | * |
| | Process Cooling and Refrigeration | 3,254 | 0 | * | 1 | * | 0 |
| | Machine Drive | 49,323 | 0 | 1 | 16 | * | 2 |
| | Electro-Chemical Processes | 48 | -- | -- | -- | -- | -- |
| | Other Process Use | Q | 0 | * | 22 | * | 0 |
| | Direct Uses-Total Nonprocess | 4,112 | 0 | 1 | 20 | * | 0 |
| | Facility HVAC (g) | 2,140 | 0 | * | 7 | * | 0 |
| | Facility Lighting | 1,400 | -- | -- | -- | -- | -- |
| | Other Facility Support | 494 | 0 | * | 1 | * | 0 |
| | Onsite Transportation | 21 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 11 | 0 | 0 |
| | Other Nonprocess Use | 56 | 0 | * | * | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | End Use Not Reported | Q | W | * | Q | 1 | 0 |
| 324110 | Petroleum Refineries | | | | | | |
| | TOTAL FUEL CONSUMPTION | 56,543 | 8 | 1 | 766 | 7 | * |
| | Indirect Uses-Boiler Fuel | 718 | W | 1 | 249 | 1 | * |
| | Conventional Boiler Use | 718 | W | * | 93 | 1 | * |
| | CHP and/or Cogeneration Process | 0 | * | * | 156 | * | 0 |
| | Direct Uses-Total Process | 52,459 | 1 | * | 500 | 6 | * |
| | Process Heating | 1,782 | 1 | * | 468 | 5 | * |
| | Process Cooling and Refrigeration | 3,150 | 0 | * | 1 | * | 0 |
| | Machine Drive | 47,379 | 0 | * | 14 | * | 0 |
| | Electro-Chemical Processes | 47 | -- | -- | -- | -- | -- |
| | Other Process Use | 100 | 0 | * | 17 | * | 0 |
| | Direct Uses-Total Nonprocess | 3,367 | 0 | * | 17 | * | 0 |
| | Facility HVAC (g) | 1,792 | 0 | * | 4 | * | 0 |
| | Facility Lighting | 1,165 | -- | -- | -- | -- | -- |
| | Other Facility Support | 375 | 0 | * | 1 | 0 | 0 |
| | Onsite Transportation | 16 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 11 | 0 | 0 |
| | Other Nonprocess Use | 19 | 0 | * | * | 0 | 0 |
| | End Use Not Reported | 0 | W | * | * | 1 | 0 |
| 324199 | Other Petroleum and Coal Products | | | | | | |
| | TOTAL FUEL CONSUMPTION | 709 | 0 | * | 3 | * | 2 |
| | Indirect Uses-Boiler Fuel | 13 | 0 | 0 | * | * | * |
| | Conventional Boiler Use | 13 | 0 | 0 | * | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | * |
| | Direct Uses-Total Process | 491 | 0 | * | 2 | * | 2 |
| | Process Heating | 116 | 0 | * | 2 | * | 0 |
| | Process Cooling and Refrigeration | 13 | 0 | * | * | 0 | 0 |
| | Machine Drive | 360 | 0 | * | * | 0 | 2 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | 3 | 0 | 0 | 0 | * | 0 |
| | Direct Uses-Total Nonprocess | 204 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 67 | 0 | * | * | * | 0 |
| | Facility Lighting | 71 | -- | -- | -- | -- | -- |
| | Other Facility Support | 31 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | 0 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 36 | 0 | 0 | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | * | 0 | 0 | 0 |
| 325 | CHEMICALS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 207,107 | 4 | 2 | 1,355 | 2 | 8 |
| | Indirect Uses-Boiler Fuel | 8,897 | 3 | 1 | 802 | 1 | 7 |
| | Conventional Boiler Use | 8,897 | 2 | 1 | 373 | 1 | 2 |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | CHP and/or Cogeneration Process | 0 | * | * | 429 | * | 4 |
| | Direct Uses-Total Process | 173,056 | 1 | * | 496 | 1 | * |
| | Process Heating | 10,337 | 1 | * | 377 | * | * |
| | Process Cooling and Refrigeration | 16,551 | 0 | * | 17 | * | 0 |
| | Machine Drive | 116,401 | 0 | * | 63 | * | * |
| | Electro-Chemical Processes | 28,032 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,735 | 0 | * | 39 | 1 | * |
| | Direct Uses-Total Nonprocess | 23,679 | * | 1 | 32 | * | * |
| | Facility HVAC (g) | 12,199 | * | * | 22 | * | * |
| | Facility Lighting | 7,598 | -- | -- | -- | -- | -- |
| | Other Facility Support | 3,054 | 0 | * | 2 | * | 0 |
| | Onsite Transportation | 268 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 3 | * | 0 |
| | Other Nonprocess Use | 560 | * | * | 5 | * | 0 |
| | End Use Not Reported | 1,474 | 0 | * | 24 | * | * |
| 325110 | Petrochemicals | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,766 | 1 | * | 107 | * | 0 |
| | Indirect Uses-Boiler Fuel | 7 | 1 | * | 36 | 0 | 0 |
| | Conventional Boiler Use | 7 | 1 | * | 18 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 18 | 0 | 0 |
| | Direct Uses-Total Process | 8,607 | 0 | * | 70 | 0 | 0 |
| | Process Heating | 1,068 | 0 | * | W | 0 | 0 |
| | Process Cooling and Refrigeration | 811 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 6,176 | 0 | * | W | 0 | 0 |
| | Electro-Chemical Processes | 551 | -- | -- | -- | -- | -- |
| | Other Process Use | 1 | 0 | * | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 1,148 | 0 | * | 1 | * | 0 |
| | Facility HVAC (g) | 452 | 0 | * | * | * | 0 |
| | Facility Lighting | 592 | -- | -- | -- | -- | -- |
| | Other Facility Support | 104 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 0 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | 0 | 0 | * | 1 | * | 0 |
| | End Use Not Reported | 5 | 0 | 0 | * | 0 | 0 |
| 325120 | Industrial Gases | | | | | | |
| | TOTAL FUEL CONSUMPTION | 20,838 | 0 | * | 13 | * | 0 |
| | Indirect Uses-Boiler Fuel | 33 | 0 | * | 6 | 0 | 0 |
| | Conventional Boiler Use | 33 | 0 | * | 6 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 20,039 | 0 | * | 7 | * | 0 |
| | Process Heating | 74 | 0 | * | 5 | * | 0 |
| | Process Cooling and Refrigeration | 499 | 0 | * | * | 0 | 0 |
| | Machine Drive | 19,384 | 0 | * | 0 | 0 | 0 |
| | Electro-Chemical Processes | 83 | -- | -- | -- | -- | -- |
| | Other Process Use | 0 | 0 | 0 | 2 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 766 | 0 | * | * | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Facility HVAC (g) | 498 | 0 | * | * | * | 0 |
| | Facility Lighting | 225 | -- | -- | -- | -- | -- |
| | Other Facility Support | 43 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | 0 | -- | 0 | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | * | 0 | 0 | 0 | 0 | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | * | 0 |
| 325181 | Alkalies and Chlorine | | | | | | |
| | TOTAL FUEL CONSUMPTION | 16,066 | 0 | * | 103 | * | 1 |
| | Indirect Uses-Boiler Fuel | 36 | 0 | * | 56 | 0 | 1 |
| | Conventional Boiler Use | 36 | 0 | * | 14 | 0 | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 42 | 0 | * |
| | Direct Uses-Total Process | 15,544 | 0 | * | 47 | 0 | * |
| | Process Heating | 64 | 0 | 0 | 15 | 0 | * |
| | Process Cooling and Refrigeration | 250 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 2,293 | 0 | * | 32 | 0 | 0 |
| | Electro-Chemical Processes | 11,917 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,020 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 486 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 188 | 0 | 0 | * | * | 0 |
| | Facility Lighting | 186 | -- | -- | -- | -- | -- |
| | Other Facility Support | 43 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | * | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | * | 0 | 0 |
| | Other Nonprocess Use | 70 | 0 | 0 | * | 0 | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 0 | 0 | 0 |
| 325182 | Carbon Black | | | | | | |
| | TOTAL FUEL CONSUMPTION | 797 | * | * | 10 | * | 0 |
| | Indirect Uses-Boiler Fuel | 10 | * | 0 | 2 | 0 | 0 |
| | Conventional Boiler Use | 10 | * | 0 | 2 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 613 | * | * | 4 | 0 | 0 |
| | Process Heating | 13 | * | 0 | 3 | 0 | 0 |
| | Process Cooling and Refrigeration | 2 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 590 | 0 | * | * | 0 | 0 |
| | Electro-Chemical Processes | 8 | -- | -- | -- | -- | -- |
| | Other Process Use | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 173 | * | * | * | * | 0 |
| | Facility HVAC (g) | 124 | * | 0 | * | 0 | 0 |
| | Facility Lighting | 44 | -- | -- | -- | -- | -- |
| | Other Facility Support | 3 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 2 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | 0 | 0 | 0 | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 4 | 0 | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| 325188 | Other Basic Inorganic Chemicals | | | | | | |
| | TOTAL FUEL CONSUMPTION | 24,959 | 1 | * | 52 | * | 1 |
| | Indirect Uses-Boiler Fuel | 186 | 1 | * | 14 | * | 1 |
| | Conventional Boiler Use | 186 | 1 | * | 13 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 1 | 0 | 1 |
| | Direct Uses-Total Process | 22,161 | 1 | * | 32 | * | * |
| | Process Heating | 505 | 1 | * | 29 | * | * |
| | Process Cooling and Refrigeration | 646 | 0 | * | * | 0 | 0 |
| | Machine Drive | 15,803 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 4,882 | -- | -- | -- | -- | -- |
| | Other Process Use | 324 | 0 | * | 2 | * | 0 |
| | Direct Uses-Total Nonprocess | 1,912 | 0 | * | 2 | * | 0 |
| | Facility HVAC (g) | 927 | 0 | * | 1 | * | 0 |
| | Facility Lighting | 550 | -- | -- | -- | -- | -- |
| | Other Facility Support | 275 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | Q | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 154 | 0 | * | * | * | 0 |
| | End Use Not Reported | 700 | 0 | * | 5 | * | 0 |
| 325192 | Cyclic Crudes and Intermediates | | | | | | |
| | TOTAL FUEL CONSUMPTION | 2,566 | * | * | 15 | * | 0 |
| | Indirect Uses-Boiler Fuel | 1 | * | * | 9 | 0 | 0 |
| | Conventional Boiler Use | 1 | * | * | 9 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 2,333 | 0 | * | 6 | * | 0 |
| | Process Heating | 1,638 | 0 | * | 6 | * | 0 |
| | Process Cooling and Refrigeration | 172 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 523 | 0 | * | 0 | 0 | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | * | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 231 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 112 | 0 | 0 | * | 0 | 0 |
| | Facility Lighting | 70 | -- | -- | -- | -- | -- |
| | Other Facility Support | 47 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | * | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 3 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | * | 0 |
| 325193 | Ethyl Alcohol | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,143 | 0 | * | 80 | * | 1 |
| | Indirect Uses-Boiler Fuel | 117 | 0 | * | 47 | * | 1 |
| | Conventional Boiler Use | 117 | 0 | * | 45 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | * | 3 | 0 | * |
| | Direct Uses-Total Process | 2,797 | 0 | * | 28 | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Process Heating | 258 | 0 | 0 | 25 | * | 0 |
| | Process Cooling and Refrigeration | 346 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 2,121 | 0 | * | 0 | 0 | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | 72 | 0 | 0 | 3 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 229 | 0 | * | 1 | * | * |
| | Facility HVAC (g) | 92 | 0 | 0 | 1 | * | * |
| | Facility Lighting | 92 | -- | -- | -- | -- | -- |
| | Other Facility Support | 37 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 5 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 3 | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | * | 3 | 0 | * |
| 325199 | Other Basic Organic Chemicals | | | | | | |
| | TOTAL FUEL CONSUMPTION | 32,070 | * | * | 298 | * | 2 |
| | Indirect Uses-Boiler Fuel | 282 | * | * | 200 | * | 2 |
| | Conventional Boiler Use | 282 | * | * | 112 | * | * |
| | CHP and/or Cogeneration Process | 0 | * | * | 87 | * | 2 |
| | Direct Uses-Total Process | 28,510 | * | * | 83 | * | * |
| | Process Heating | 1,217 | * | * | 64 | * | * |
| | Process Cooling and Refrigeration | 3,583 | 0 | 0 | 4 | 0 | 0 |
| | Machine Drive | 17,809 | 0 | * | 2 | 0 | * |
| | Electro-Chemical Processes | 5,810 | -- | -- | -- | -- | -- |
| | Other Process Use | 91 | 0 | * | 13 | * | 0 |
| | Direct Uses-Total Nonprocess | 2,966 | * | * | 5 | * | * |
| | Facility HVAC (g) | 1,444 | * | 0 | 3 | * | * |
| | Facility Lighting | 1,015 | -- | -- | -- | -- | -- |
| | Other Facility Support | 444 | 0 | * | * | * | 0 |
| | Onsite Transportation | 25 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 1 | 0 | 0 |
| | Other Nonprocess Use | 38 | 0 | * | 1 | * | 0 |
| | End Use Not Reported | 313 | 0 | * | 9 | * | 0 |
| 325211 | Plastics Materials and Resins | | | | | | |
| | TOTAL FUEL CONSUMPTION | 37,356 | * | * | 324 | 2 | * |
| | Indirect Uses-Boiler Fuel | 6,794 | * | * | 257 | * | * |
| | Conventional Boiler Use | 6,794 | * | * | 50 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 207 | 0 | 0 |
| | Direct Uses-Total Process | 27,256 | * | * | 62 | 1 | 0 |
| | Process Heating | 972 | * | * | W | * | 0 |
| | Process Cooling and Refrigeration | 3,262 | 0 | * | 1 | * | 0 |
| | Machine Drive | 19,262 | 0 | * | W | * | 0 |
| | Electro-Chemical Processes | 3,740 | -- | -- | -- | -- | -- |
| | Other Process Use | 19 | 0 | * | 8 | 1 | 0 |
| | Direct Uses-Total Nonprocess | 3,192 | 0 | * | 4 | * | 0 |
| | Facility HVAC (g) | 1,254 | 0 | * | 2 | * | 0 |
| | Facility Lighting | 1,151 | -- | -- | -- | -- | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Other Facility Support | 783 | 0 | * | * | * | 0 |
| | Onsite Transportation | 3 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | 2 | 0 | * | 2 | * | 0 |
| | End Use Not Reported | 114 | 0 | 0 | 1 | * | 0 |
| 325212 | Synthetic Rubber | | | | | | |
| | TOTAL FUEL CONSUMPTION | 2,071 | * | * | 25 | * | * |
| | Indirect Uses-Boiler Fuel | 31 | * | * | 21 | * | * |
| | Conventional Boiler Use | 31 | * | * | 6 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 16 | 0 | * |
| | Direct Uses-Total Process | 1,669 | 0 | * | 4 | * | 0 |
| | Process Heating | 126 | 0 | 0 | 3 | * | 0 |
| | Process Cooling and Refrigeration | 328 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 1,205 | 0 | * | * | 0 | 0 |
| | Electro-Chemical Processes | 3 | -- | -- | -- | -- | -- |
| | Other Process Use | 8 | 0 | * | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 356 | * | * | * | * | 0 |
| | Facility HVAC (g) | 210 | 0 | * | * | * | 0 |
| | Facility Lighting | 109 | -- | -- | -- | -- | -- |
| | Other Facility Support | 26 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 11 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | * | * | * | * | * | 0 |
| | End Use Not Reported | 14 | 0 | 0 | * | 0 | 0 |
| 325222 | Noncellulosic Organic Fibers | | | | | | |
| | TOTAL FUEL CONSUMPTION | 5,618 | * | * | 33 | * | * |
| | Indirect Uses-Boiler Fuel | 756 | * | * | 20 | * | * |
| | Conventional Boiler Use | 756 | * | * | 12 | * | * |
| | CHP and/or Cogeneration Process | 0 | * | 0 | 8 | 0 | * |
| | Direct Uses-Total Process | 4,139 | * | * | 11 | * | * |
| | Process Heating | 388 | * | * | 8 | * | * |
| | Process Cooling and Refrigeration | 878 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 2,818 | 0 | * | 3 | 0 | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |
| | Other Process Use | 54 | 0 | * | * | 0 | * |
| | Direct Uses-Total Nonprocess | 721 | * | * | 2 | * | 0 |
| | Facility HVAC (g) | 354 | * | * | * | * | 0 |
| | Facility Lighting | 200 | -- | -- | -- | -- | -- |
| | Other Facility Support | 122 | 0 | * | 0 | * | 0 |
| | Onsite Transportation | 18 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 2 | 0 | 0 |
| | Other Nonprocess Use | 26 | 0 | * | * | 0 | 0 |
| | End Use Not Reported | 3 | 0 | 0 | * | * | 0 |
| 325311 | Nitrogenous Fertilizers | | | | | | |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | TOTAL FUEL CONSUMPTION | 2,672 | 0 | * | 113 | * | 0 |
| | Indirect Uses-Boiler Fuel | 21 | 0 | * | 27 | * | 0 |
| | Conventional Boiler Use | 21 | 0 | * | 24 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 3 | 0 | 0 |
| | Direct Uses-Total Process | 2,448 | 0 | * | 86 | * | 0 |
| | Process Heating | 64 | 0 | * | 64 | * | 0 |
| | Process Cooling and Refrigeration | 289 | 0 | 0 | 12 | 0 | 0 |
| | Machine Drive | 2,087 | 0 | * | 6 | 0 | 0 |
| | Electro-Chemical Processes | 4 | -- | -- | -- | -- | -- |
| | Other Process Use | 3 | 0 | * | 4 | * | 0 |
| | Direct Uses-Total Nonprocess | 203 | 0 | * | 1 | * | 0 |
| | Facility HVAC (g) | 86 | 0 | * | * | * | 0 |
| | Facility Lighting | 95 | -- | -- | -- | -- | -- |
| | Other Facility Support | 17 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 2 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 2 | 0 | * | 0 | 0 | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | * | 0 |
| 325312 | Phosphatic Fertilizers | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,774 | * | * | 11 | * | * |
| | Indirect Uses-Boiler Fuel | 0 | * | * | 1 | 0 | 0 |
| | Conventional Boiler Use | 0 | 0 | 0 | 1 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | * | * | 1 | 0 | 0 |
| | Direct Uses-Total Process | 3,529 | * | * | 9 | * | * |
| | Process Heating | 14 | * | * | 7 | * | * |
| | Process Cooling and Refrigeration | 8 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 3,416 | 0 | * | 1 | 0 | 0 |
| | Electro-Chemical Processes | 85 | -- | -- | -- | -- | -- |
| | Other Process Use | 5 | 0 | * | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 245 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 116 | 0 | 0 | * | * | 0 |
| | Facility Lighting | 67 | -- | -- | -- | -- | -- |
| | Other Facility Support | 58 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 3 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | * | 0 | 0 | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 0 | * | 0 |
| 3254 | Pharmaceuticals and Medicines | | | | | | |
| | TOTAL FUEL CONSUMPTION | 13,784 | * | * | 45 | * | * |
| | Indirect Uses-Boiler Fuel | 208 | * | * | 36 | * | * |
| | Conventional Boiler Use | 208 | * | * | 20 | * | * |
| | CHP and/or Cogeneration Process | 0 | * | * | 17 | * | 0 |
| | Direct Uses-Total Process | 7,484 | 0 | * | 3 | * | * |
| | Process Heating | 1,885 | 0 | * | 2 | * | * |
| | Process Cooling and Refrigeration | 1,717 | 0 | * | * | 0 | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Machine Drive | 3,760 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 14 | -- | -- | -- | -- | -- |
| | Other Process Use | 109 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 5,816 | 0 | * | 6 | * | 0 |
| | Facility HVAC (g) | 3,635 | 0 | * | 5 | * | 0 |
| | Facility Lighting | 1,466 | -- | -- | -- | -- | -- |
| | Other Facility Support | 526 | 0 | * | * | * | 0 |
| | Onsite Transportation | 14 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 173 | 0 | * | 1 | * | 0 |
| | End Use Not Reported | 276 | 0 | * | * | * | 0 |
| 325412 | Pharmaceutical Preparation | | | | | | |
| | TOTAL FUEL CONSUMPTION | 10,782 | * | * | 30 | * | * |
| | Indirect Uses-Boiler Fuel | 169 | * | * | 24 | * | * |
| | Conventional Boiler Use | 169 | * | * | 11 | * | * |
| | CHP and/or Cogeneration Process | 0 | * | * | 12 | * | 0 |
| | Direct Uses-Total Process | 6,055 | 0 | * | 2 | * | * |
| | Process Heating | 1,813 | 0 | * | 2 | 0 | * |
| | Process Cooling and Refrigeration | 1,194 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 3,005 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 8 | -- | -- | -- | -- | -- |
| | Other Process Use | 35 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 4,391 | 0 | * | 4 | * | 0 |
| | Facility HVAC (g) | 2,708 | 0 | * | 3 | * | 0 |
| | Facility Lighting | 1,085 | -- | -- | -- | -- | -- |
| | Other Facility Support | 411 | 0 | * | * | * | 0 |
| | Onsite Transportation | 14 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 173 | 0 | * | 1 | * | 0 |
| | End Use Not Reported | Q | 0 | * | * | * | 0 |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,959 | * | * | 7 | * | 1 |
| | Indirect Uses-Boiler Fuel | 176 | * | * | 4 | 0 | 1 |
| | Conventional Boiler Use | 176 | * | * | 1 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | * | * | 3 | 0 | 1 |
| | Direct Uses-Total Process | 1,124 | 0 | * | 2 | * | 0 |
| | Process Heating | 97 | 0 | * | 1 | * | 0 |
| | Process Cooling and Refrigeration | 211 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 767 | 0 | * | * | 0 | 0 |
| | Electro-Chemical Processes | 37 | -- | -- | -- | -- | -- |
| | Other Process Use | 11 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 660 | * | * | 1 | * | 0 |
| | Facility HVAC (g) | 396 | * | * | 1 | * | 0 |
| | Facility Lighting | 233 | -- | -- | -- | -- | -- |
| | Other Facility Support | 28 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 3 | -- | * | 0 | * | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | * | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | * | 0 |
| 326 | PLASTICS AND RUBBER PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 53,423 | 1 | 1 | 124 | 1 | * |
| | Indirect Uses-Boiler Fuel | 354 | 1 | * | 56 | * | * |
| | Conventional Boiler Use | 354 | 1 | * | 56 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 40,717 | * | * | 36 | * | 0 |
| | Process Heating | 8,172 | * | * | 31 | * | 0 |
| | Process Cooling and Refrigeration | 4,801 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 26,841 | 0 | * | 3 | * | 0 |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | Q | * | * | 3 | * | 0 |
| | Direct Uses-Total Nonprocess | 12,155 | * | * | 26 | 1 | 0 |
| | Facility HVAC (g) | 5,731 | * | * | 24 | * | 0 |
| | Facility Lighting | 4,573 | -- | -- | -- | -- | -- |
| | Other Facility Support | 1,561 | 0 | * | 2 | * | 0 |
| | Onsite Transportation | 254 | -- | * | * | 1 | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | * | 0 |
| | End Use Not Reported | 197 | 0 | * | Q | * | 0 |
| 327 | NONMETALLIC MINERAL PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 44,783 | 1 | 5 | 446 | 1 | 14 |
| | Indirect Uses-Boiler Fuel | 121 | 0 | * | 21 | * | * |
| | Conventional Boiler Use | 121 | 0 | * | 20 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 1 | 0 | 0 |
| | Direct Uses-Total Process | 38,197 | * | 3 | 354 | Q | W |
| | Process Heating | 9,682 | * | * | 347 | Q | W |
| | Process Cooling and Refrigeration | 1,208 | 0 | * | * | 0 | 0 |
| | Machine Drive | 25,819 | 0 | 2 | 5 | * | * |
| | Electro-Chemical Processes | 108 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,380 | 0 | 1 | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 6,189 | * | 2 | 18 | * | 0 |
| | Facility HVAC (g) | 2,799 | * | * | 17 | * | 0 |
| | Facility Lighting | 2,310 | -- | -- | -- | -- | -- |
| | Other Facility Support | 796 | * | * | 1 | * | 0 |
| | Onsite Transportation | 160 | -- | 1 | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 123 | 0 | * | * | * | 0 |
| | End Use Not Reported | 276 | 0 | * | 53 | * | W |
| 327211 | Flat Glass | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,903 | * | * | 50 | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Indirect Uses-Boiler Fuel | 13 | 0 | * | 2 | 0 | 0 |
| | Conventional Boiler Use | 13 | 0 | * | 2 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 1,674 | * | * | 48 | * | 0 |
| | Process Heating | 739 | * | * | 47 | * | 0 |
| | Process Cooling and Refrigeration | 134 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 735 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 22 | -- | -- | -- | -- | -- |
| | Other Process Use | 44 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 217 | 0 | * | 1 | * | 0 |
| | Facility HVAC (g) | 82 | 0 | * | 1 | * | 0 |
| | Facility Lighting | 96 | -- | -- | -- | -- | -- |
| | Other Facility Support | 28 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | 10 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | 0 | 0 |
| 327212 | Other Pressed and Blown Glass and Glassware | | | | | | |
| | TOTAL FUEL CONSUMPTION | 5,121 | 0 | * | Q | * | 0 |
| | Indirect Uses-Boiler Fuel | 1 | 0 | * | Q | * | 0 |
| | Conventional Boiler Use | 1 | 0 | * | Q | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 4,403 | 0 | * | Q | * | 0 |
| | Process Heating | 1,167 | 0 | * | Q | * | 0 |
| | Process Cooling and Refrigeration | Q | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | Q | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 13 | -- | -- | -- | -- | -- |
| | Other Process Use | 352 | 0 | * | 0 | * | 0 |
| | Direct Uses-Total Nonprocess | 647 | 0 | * | 3 | * | 0 |
| | Facility HVAC (g) | Q | 0 | * | Q | * | 0 |
| | Facility Lighting | 232 | -- | -- | -- | -- | -- |
| | Other Facility Support | 22 | 0 | * | * | * | 0 |
| | Onsite Transportation | Q | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 0 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 69 | 0 | 0 | 2 | * | 0 |
| 327213 | Glass Containers | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,946 | 0 | * | 49 | * | 0 |
| | Indirect Uses-Boiler Fuel | 0 | 0 | 0 | * | 0 | 0 |
| | Conventional Boiler Use | 0 | 0 | 0 | * | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 3,515 | 0 | * | 47 | * | 0 |
| | Process Heating | 1,460 | 0 | * | 47 | * | 0 |
| | Process Cooling and Refrigeration | 113 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 1,927 | 0 | * | 0 | 0 | 0 |
| | Electro-Chemical Processes | 0 | -- | -- | -- | -- | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Other Process Use | 15 | 0 | * | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 431 | 0 | * | 2 | * | 0 |
| | Facility HVAC (g) | 191 | 0 | * | 2 | * | 0 |
| | Facility Lighting | 160 | -- | -- | -- | -- | -- |
| | Other Facility Support | 28 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | 12 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 40 | 0 | 0 | 0 | 0 | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 0 | 0 | 0 |
| 327215 | Glass Products from Purchased Glass | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,677 | 0 | * | 50 | * | * |
| | Indirect Uses-Boiler Fuel | 12 | 0 | * | 9 | * | * |
| | Conventional Boiler Use | 12 | 0 | * | 9 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 2,913 | 0 | * | 5 | * | 0 |
| | Process Heating | 1,629 | 0 | * | 5 | * | 0 |
| | Process Cooling and Refrigeration | 245 | 0 | * | 0 | 0 | 0 |
| | Machine Drive | 926 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 52 | -- | -- | -- | -- | -- |
| | Other Process Use | 61 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 710 | 0 | * | 2 | * | 0 |
| | Facility HVAC (g) | 383 | 0 | * | 2 | * | 0 |
| | Facility Lighting | 258 | -- | -- | -- | -- | -- |
| | Other Facility Support | 54 | 0 | * | * | * | 0 |
| | Onsite Transportation | 12 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | 3 | 0 | * | * | * | 0 |
| | End Use Not Reported | Q | 0 | 0 | Q | * | * |
| 327310 | Cements | | | | | | |
| | TOTAL FUEL CONSUMPTION | 13,396 | * | 1 | 19 | * | 11 |
| | Indirect Uses-Boiler Fuel | 0 | 0 | * | 1 | * | 0 |
| | Conventional Boiler Use | 0 | 0 | * | Q | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 1 | 0 | 0 |
| | Direct Uses-Total Process | 11,353 | * | * | 18 | * | 10 |
| | Process Heating | 1,079 | * | * | 16 | * | 10 |
| | Process Cooling and Refrigeration | 76 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 9,854 | 0 | * | Q | * | * |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | 340 | 0 | * | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 1,902 | * | * | * | * | 0 |
| | Facility HVAC (g) | 765 | * | * | * | * | 0 |
| | Facility Lighting | 622 | -- | -- | -- | -- | -- |
| | Other Facility Support | 363 | 0 | * | * | * | 0 |
| | Onsite Transportation | 80 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 72 | 0 | * | 0 | 0 | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | End Use Not Reported | 141 | 0 | * | 0 | * | * |
| 327410 | Lime | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,432 | * | * | 5 | * | 4 |
| | Indirect Uses-Boiler Fuel | 0 | 0 | 0 | * | 0 | 0 |
| | Conventional Boiler Use | 0 | 0 | 0 | * | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 1,282 | * | * | 5 | * | W |
| | Process Heating | 190 | * | * | 5 | * | W |
| | Process Cooling and Refrigeration | 3 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 1,074 | 0 | * | 0 | * | 0 |
| | Electro-Chemical Processes | 15 | -- | -- | -- | -- | -- |
| | Other Process Use | * | 0 | * | 0 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 150 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 59 | 0 | * | * | * | 0 |
| | Facility Lighting | 64 | -- | -- | -- | -- | -- |
| | Other Facility Support | 27 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | * | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | 0 | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | * | * | * | W |
| 327420 | Gypsum | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,874 | * | * | 74 | * | 0 |
| | Indirect Uses-Boiler Fuel | 1 | 0 | * | 2 | 0 | 0 |
| | Conventional Boiler Use | 1 | 0 | * | 2 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 1,703 | 0 | * | 69 | * | 0 |
| | Process Heating | 121 | 0 | * | 69 | * | 0 |
| | Process Cooling and Refrigeration | 26 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 1,556 | 0 | * | * | 0 | 0 |
| | Electro-Chemical Processes | * | -- | -- | -- | -- | -- |
| | Other Process Use | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 170 | * | * | 1 | * | 0 |
| | Facility HVAC (g) | 78 | * | 0 | 1 | * | 0 |
| | Facility Lighting | 74 | -- | -- | -- | -- | -- |
| | Other Facility Support | 17 | * | * | * | 0 | 0 |
| | Onsite Transportation | Q | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | 0 | 0 | * | 0 |
| | End Use Not Reported | * | 0 | 0 | 2 | * | 0 |
| 327993 | Mineral Wool | | | | | | |
| | TOTAL FUEL CONSUMPTION | 4,032 | 0 | * | 33 | * | 0 |
| | Indirect Uses-Boiler Fuel | 2 | 0 | * | * | * | 0 |
| | Conventional Boiler Use | 2 | 0 | * | * | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 3,656 | 0 | * | 26 | * | 0 |
| | Process Heating | 1,481 | 0 | 0 | 26 | * | 0 |
| | Process Cooling and Refrigeration | 66 | 0 | * | * | 0 | 0 |
| | Machine Drive | 1,540 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 3 | -- | -- | -- | -- | -- |
| | Other Process Use | 566 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 375 | 0 | * | 2 | * | 0 |
| | Facility HVAC (g) | 139 | 0 | * | 2 | * | 0 |
| | Facility Lighting | 168 | -- | -- | -- | -- | -- |
| | Other Facility Support | 61 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 3 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 4 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | * | 5 | * | 0 |
| 331 | PRIMARY METALS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 139,985 | 3 | 1 | 568 | 1 | 1 |
| | Indirect Uses-Boiler Fuel | 410 | 1 | * | 56 | * | * |
| | Conventional Boiler Use | 410 | * | * | 29 | * | * |
| | CHP and/or Cogeneration Process | 0 | 1 | 0 | 27 | 0 | * |
| | Direct Uses-Total Process | 128,381 | 2 | * | 465 | 1 | 1 |
| | Process Heating | 39,654 | 2 | * | 445 | * | * |
| | Process Cooling and Refrigeration | 1,275 | 0 | * | 2 | * | 0 |
| | Machine Drive | 43,428 | 0 | * | 7 | * | 0 |
| | Electro-Chemical Processes | 42,885 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,138 | 0 | * | 10 | * | * |
| | Direct Uses-Total Nonprocess | 11,030 | * | 1 | 40 | * | * |
| | Facility HVAC (g) | 4,704 | * | * | 37 | * | 0 |
| | Facility Lighting | 4,821 | -- | -- | -- | -- | -- |
| | Other Facility Support | 1,293 | * | * | 3 | * | 0 |
| | Onsite Transportation | 83 | -- | 1 | Q | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | * |
| | Other Nonprocess Use | 129 | 0 | * | * | * | 0 |
| | End Use Not Reported | 164 | 1 | * | 8 | * | * |
| 331111 | Iron and Steel Mills | | | | | | |
| | TOTAL FUEL CONSUMPTION | 55,339 | 3 | 1 | 317 | * | 1 |
| | Indirect Uses-Boiler Fuel | 153 | 1 | * | 26 | 0 | * |
| | Conventional Boiler Use | 153 | * | * | 13 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 1 | 0 | 13 | 0 | * |
| | Direct Uses-Total Process | 51,114 | 2 | * | 277 | * | 1 |
| | Process Heating | 22,425 | 2 | * | 265 | * | * |
| | Process Cooling and Refrigeration | 351 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 26,104 | 0 | * | 5 | * | 0 |
| | Electro-Chemical Processes | 1,856 | -- | -- | -- | -- | -- |
| | Other Process Use | 379 | 0 | * | 7 | * | * |
| | Direct Uses-Total Nonprocess | 4,070 | 0 | * | 15 | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Facility HVAC (g) | 1,534 | 0 | * | 14 | * | 0 |
| | Facility Lighting | 2,092 | -- | -- | -- | -- | -- |
| | Other Facility Support | 405 | 0 | 0 | 1 | * | 0 |
| | Onsite Transportation | 20 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 20 | 0 | * | * | * | 0 |
| | End Use Not Reported | 2 | 1 | 0 | * | * | 0 |
| 33112 | Electrometallurgical Ferroalloy Products | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,111 | 0 | * | 1 | * | * |
| | Indirect Uses-Boiler Fuel | 0 | 0 | 0 | 1 | 0 | 0 |
| | Conventional Boiler Use | 0 | 0 | 0 | 1 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 3,044 | 0 | 0 | 1 | 0 | 0 |
| | Process Heating | 1,788 | 0 | 0 | * | 0 | 0 |
| | Process Cooling and Refrigeration | 10 | 0 | 0 | 0 | 0 | 0 |
| | Machine Drive | 258 | 0 | 0 | 0 | 0 | 0 |
| | Electro-Chemical Processes | 924 | -- | -- | -- | -- | -- |
| | Other Process Use | 64 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Nonprocess | 66 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 34 | 0 | 0 | * | 0 | 0 |
| | Facility Lighting | 22 | -- | -- | -- | -- | -- |
| | Other Facility Support | 10 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 0 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 0 | 0 | * |
| 3312 | Steel Products from Purchased Steel | | | | | | |
| | TOTAL FUEL CONSUMPTION | 4,396 | 0 | * | 25 | * | * |
| | Indirect Uses-Boiler Fuel | 15 | 0 | * | 3 | 0 | * |
| | Conventional Boiler Use | 15 | 0 | * | 3 | 0 | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 3,712 | 0 | * | 18 | * | 0 |
| | Process Heating | 1,054 | 0 | * | 17 | * | 0 |
| | Process Cooling and Refrigeration | 58 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 2,401 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 131 | -- | -- | -- | -- | -- |
| | Other Process Use | 68 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 669 | 0 | * | 4 | * | 0 |
| | Facility HVAC (g) | 282 | 0 | 0 | 3 | * | 0 |
| | Facility Lighting | 322 | -- | -- | -- | -- | -- |
| | Other Facility Support | 54 | 0 | * | * | * | 0 |
| | Onsite Transportation | 5 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | 0 | * | * | 0 |
| | End Use Not Reported | Q | 0 | 0 | * | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| 3313 | Alumina and Aluminum | | | | | | |
| | TOTAL FUEL CONSUMPTION | 44,906 | * | * | 113 | * | * |
| | Indirect Uses-Boiler Fuel | 37 | * | * | 18 | * | 0 |
| | Conventional Boiler Use | 37 | * | * | 4 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 14 | 0 | 0 |
| | Direct Uses-Total Process | 42,976 | * | * | 88 | * | * |
| | Process Heating | 1,910 | * | * | 84 | * | * |
| | Process Cooling and Refrigeration | 208 | 0 | 0 | 2 | 0 | 0 |
| | Machine Drive | 5,542 | 0 | * | 1 | * | 0 |
| | Electro-Chemical Processes | 35,279 | -- | -- | -- | -- | -- |
| | Other Process Use | 39 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 1,879 | 0 | * | 4 | * | 0 |
| | Facility HVAC (g) | 726 | 0 | * | 4 | * | 0 |
| | Facility Lighting | 791 | -- | -- | -- | -- | -- |
| | Other Facility Support | 334 | 0 | * | 1 | * | 0 |
| | Onsite Transportation | 17 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 11 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 14 | 0 | 0 | 2 | * | 0 |
| 331314 | Secondary Smelting and Alloying of Aluminum | | | | | | |
| | TOTAL FUEL CONSUMPTION | 613 | * | * | 17 | * | * |
| | Indirect Uses-Boiler Fuel | 1 | 0 | 0 | * | 0 | 0 |
| | Conventional Boiler Use | 1 | 0 | 0 | * | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 495 | * | * | 17 | * | * |
| | Process Heating | 134 | * | 0 | 16 | * | * |
| | Process Cooling and Refrigeration | 7 | 0 | 0 | 1 | 0 | 0 |
| | Machine Drive | 340 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | * | -- | -- | -- | -- | -- |
| | Other Process Use | 14 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 117 | 0 | * | * | * | 0 |
| | Facility HVAC (g) | 50 | 0 | * | * | * | 0 |
| | Facility Lighting | 53 | -- | -- | -- | -- | -- |
| | Other Facility Support | 9 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | 1 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | 0 | 0 | 0 | 0 |
| | Other Nonprocess Use | 4 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | * | 0 |
| 331315 | Aluminum Sheet, Plate and Foils | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,871 | 0 | * | 36 | * | 0 |
| | Indirect Uses-Boiler Fuel | 6 | 0 | * | 1 | 0 | 0 |
| | Conventional Boiler Use | 6 | 0 | * | 1 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 3,409 | 0 | * | 32 | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Process Heating | 802 | 0 | * | 31 | * | 0 |
| | Process Cooling and Refrigeration | 103 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 2,501 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 1 | -- | -- | -- | -- | -- |
| | Other Process Use | 2 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 442 | 0 | * | 2 | * | 0 |
| | Facility HVAC (g) | 179 | 0 | * | 1 | 0 | 0 |
| | Facility Lighting | 178 | -- | -- | -- | -- | -- |
| | Other Facility Support | 72 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | 7 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 6 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 14 | 0 | 0 | 1 | 0 | 0 |
| 331316 | Aluminum Extruded Products | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,994 | * | * | 17 | * | 0 |
| | Indirect Uses-Boiler Fuel | 6 | * | 0 | 1 | * | 0 |
| | Conventional Boiler Use | 6 | * | 0 | 1 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 1,615 | 0 | * | 15 | * | 0 |
| | Process Heating | 383 | 0 | * | 14 | * | 0 |
| | Process Cooling and Refrigeration | 79 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 1,058 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 71 | -- | -- | -- | -- | -- |
| | Other Process Use | 23 | 0 | 0 | * | * | 0 |
| | Direct Uses-Total Nonprocess | 374 | 0 | * | 1 | * | 0 |
| | Facility HVAC (g) | 131 | 0 | * | 1 | * | 0 |
| | Facility Lighting | 198 | -- | -- | -- | -- | -- |
| | Other Facility Support | 39 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | 5 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | * | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | * | * | 0 |
| 3314 | Nonferrous Metals, except Aluminum | | | | | | |
| | TOTAL FUEL CONSUMPTION | 15,434 | * | * | 42 | * | * |
| | Indirect Uses-Boiler Fuel | 173 | * | * | 5 | * | * |
| | Conventional Boiler Use | 173 | * | * | 5 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | * |
| | Direct Uses-Total Process | 13,805 | * | * | 31 | * | * |
| | Process Heating | 4,940 | * | * | 29 | * | * |
| | Process Cooling and Refrigeration | 308 | 0 | * | * | * | 0 |
| | Machine Drive | 4,050 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 4,244 | -- | -- | -- | -- | -- |
| | Other Process Use | 263 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 1,442 | * | * | 3 | * | * |
| | Facility HVAC (g) | 625 | * | * | 3 | * | 0 |
| | Facility Lighting | 572 | -- | -- | -- | -- | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Other Facility Support | 197 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | 21 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | * |
| | Other Nonprocess Use | 26 | 0 | * | * | * | 0 |
| | End Use Not Reported | Q | 0 | 0 | 3 | * | * |
| 3315 | Foundries | | | | | | |
| | TOTAL FUEL CONSUMPTION | 16,798 | * | * | 70 | * | 0 |
| | Indirect Uses-Boiler Fuel | 34 | 0 | * | 3 | * | 0 |
| | Conventional Boiler Use | 34 | 0 | * | 3 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 13,729 | * | * | 51 | * | 0 |
| | Process Heating | 7,538 | * | * | 49 | * | 0 |
| | Process Cooling and Refrigeration | 340 | 0 | * | * | 0 | 0 |
| | Machine Drive | 5,073 | 0 | * | 1 | * | 0 |
| | Electro-Chemical Processes | 453 | -- | -- | -- | -- | -- |
| | Other Process Use | 325 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 2,904 | * | * | 14 | * | 0 |
| | Facility HVAC (g) | 1,503 | * | * | 13 | * | 0 |
| | Facility Lighting | 1,021 | -- | -- | -- | -- | -- |
| | Other Facility Support | 292 | * | * | 1 | * | 0 |
| | Onsite Transportation | 20 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 67 | 0 | * | * | * | 0 |
| | End Use Not Reported | 132 | 0 | * | 3 | * | 0 |
| 331511 | Iron Foundries | | | | | | |
| | TOTAL FUEL CONSUMPTION | 8,564 | * | * | 23 | * | 0 |
| | Indirect Uses-Boiler Fuel | 2 | 0 | 0 | 1 | * | 0 |
| | Conventional Boiler Use | 2 | 0 | 0 | 1 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 6,996 | * | * | 14 | * | 0 |
| | Process Heating | 3,973 | * | * | 13 | * | 0 |
| | Process Cooling and Refrigeration | 109 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 2,365 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 367 | -- | -- | -- | -- | -- |
| | Other Process Use | 183 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 1,566 | 0 | * | 7 | * | 0 |
| | Facility HVAC (g) | 851 | 0 | * | 7 | * | 0 |
| | Facility Lighting | 484 | -- | -- | -- | -- | -- |
| | Other Facility Support | 155 | 0 | * | * | * | 0 |
| | Onsite Transportation | 11 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | * | 0 |
| | Other Nonprocess Use | 65 | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | * | * | * | 0 |
| 331521 | Aluminum Die-Casting Foundries | | | | | | |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | TOTAL FUEL CONSUMPTION | 1,937 | 0 | * | 15 | * | 0 |
| | Indirect Uses-Boiler Fuel | 7 | 0 | * | 1 | * | 0 |
| | Conventional Boiler Use | 7 | 0 | * | 1 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 1,465 | 0 | * | 11 | * | 0 |
| | Process Heating | 548 | 0 | * | 11 | * | 0 |
| | Process Cooling and Refrigeration | 71 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 844 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 1 | -- | -- | -- | -- | -- |
| | Other Process Use | 1 | 0 | 0 | * | * | 0 |
| | Direct Uses-Total Nonprocess | 466 | 0 | * | 2 | * | 0 |
| | Facility HVAC (g) | 237 | 0 | 0 | 2 | * | 0 |
| | Facility Lighting | 193 | -- | -- | -- | -- | -- |
| | Other Facility Support | 29 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | 6 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 1 | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | 0 | 1 | * | 0 |
| 331524 | Aluminum Foundries, except Die-Casting | | | | | | |
| | TOTAL FUEL CONSUMPTION | 1,135 | * | * | 13 | * | 0 |
| | Indirect Uses-Boiler Fuel | 9 | 0 | 0 | * | 0 | 0 |
| | Conventional Boiler Use | 9 | 0 | 0 | * | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 869 | * | * | 11 | * | 0 |
| | Process Heating | 349 | * | * | 10 | * | 0 |
| | Process Cooling and Refrigeration | 20 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 478 | 0 | 0 | * | * | 0 |
| | Electro-Chemical Processes | 1 | -- | -- | -- | -- | -- |
| | Other Process Use | 22 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 245 | * | * | 2 | * | 0 |
| | Facility HVAC (g) | 107 | * | * | 1 | * | 0 |
| | Facility Lighting | 89 | -- | -- | -- | -- | -- |
| | Other Facility Support | 46 | * | * | * | * | 0 |
| | Onsite Transportation | 3 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | * | 0 | 0 | 0 | * | 0 |
| | End Use Not Reported | 13 | 0 | 0 | * | * | 0 |
| 332 | FABRICATED METAL PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 42,238 | * | * | 234 | 1 | 0 |
| | Indirect Uses-Boiler Fuel | 161 | * | * | 36 | 0 | 0 |
| | Conventional Boiler Use | 161 | * | * | 34 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | Q | 0 | 0 |
| | Direct Uses-Total Process | 32,479 | 0 | * | 154 | * | 0 |
| | Process Heating | 8,272 | 0 | * | 150 | * | 0 |
| | Process Cooling and Refrigeration | 1,487 | 0 | 0 | Q | 0 | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Machine Drive | 20,706 | 0 | * | 1 | * | 0 |
| | Electro-Chemical Processes | 794 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,221 | 0 | * | Q | * | 0 |
| | Direct Uses-Total Nonprocess | 9,166 | * | * | 37 | 1 | 0 |
| | Facility HVAC (g) | 4,234 | * | * | 34 | * | 0 |
| | Facility Lighting | 3,967 | -- | -- | -- | -- | -- |
| | Other Facility Support | 823 | 0 | * | 2 | * | 0 |
| | Onsite Transportation | 109 | -- | * | * | 1 | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | * | 0 |
| | End Use Not Reported | 432 | 0 | * | Q | * | 0 |
| 333 | MACHINERY | | | | | | |
| | TOTAL FUEL CONSUMPTION | 32,733 | * | * | 82 | 1 | * |
| | Indirect Uses-Boiler Fuel | Q | * | * | 20 | 0 | * |
| | Conventional Boiler Use | Q | * | * | 16 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | Q | 0 | * |
| | Direct Uses-Total Process | 18,577 | 0 | * | 28 | * | 0 |
| | Process Heating | 2,211 | 0 | * | 24 | * | 0 |
| | Process Cooling and Refrigeration | 919 | 0 | * | * | 0 | 0 |
| | Machine Drive | 14,635 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 140 | -- | -- | -- | -- | -- |
| | Other Process Use | 673 | 0 | * | Q | * | 0 |
| | Direct Uses-Total Nonprocess | 13,393 | 0 | * | 32 | 1 | 0 |
| | Facility HVAC (g) | 7,278 | 0 | * | 30 | * | 0 |
| | Facility Lighting | 4,759 | -- | -- | -- | -- | -- |
| | Other Facility Support | 965 | 0 | * | Q | * | 0 |
| | Onsite Transportation | 227 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | * | * | 0 |
| | End Use Not Reported | Q | 0 | 0 | 2 | * | 0 |
| 334 | COMPUTER AND ELECTRONIC PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 27,542 | * | * | 44 | * | 0 |
| | Indirect Uses-Boiler Fuel | 241 | * | * | 19 | * | 0 |
| | Conventional Boiler Use | 241 | * | * | 19 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 14,097 | 0 | * | 4 | * | 0 |
| | Process Heating | 3,008 | 0 | * | 3 | * | 0 |
| | Process Cooling and Refrigeration | 2,911 | 0 | * | * | 0 | 0 |
| | Machine Drive | 5,685 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 400 | -- | -- | -- | -- | -- |
| | Other Process Use | 2,094 | 0 | * | 1 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 13,122 | * | * | 17 | * | 0 |
| | Facility HVAC (g) | 7,759 | * | * | 16 | * | 0 |
| | Facility Lighting | 3,203 | -- | -- | -- | -- | -- |
| | Other Facility Support | 1,663 | 0 | * | * | * | 0 |
| | Onsite Transportation | 12 | -- | * | 0 | * | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;

Level: National Data;

Row: End Uses within NAICS Codes;

Column: Energy Sources, including Net Demand for Electricity;

Unit: Physical Units or Btu.

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 486 | 0 | * | 1 | * | 0 |
| | End Use Not Reported | Q | 0 | * | Q | * | 0 |
| 334413 | Semiconductors and Related Devices | | | | | | |
| | TOTAL FUEL CONSUMPTION | 12,772 | * | * | 18 | * | 0 |
| | Indirect Uses-Boiler Fuel | 51 | 0 | * | 9 | 0 | 0 |
| | Conventional Boiler Use | 51 | 0 | * | 9 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 8,168 | 0 | * | 2 | * | 0 |
| | Process Heating | 1,794 | 0 | * | 1 | * | 0 |
| | Process Cooling and Refrigeration | 1,740 | 0 | * | * | 0 | 0 |
| | Machine Drive | 2,663 | 0 | 0 | * | 0 | 0 |
| | Electro-Chemical Processes | 358 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,614 | 0 | * | 1 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 4,552 | * | * | 7 | * | 0 |
| | Facility HVAC (g) | 3,082 | * | * | 7 | * | 0 |
| | Facility Lighting | 786 | -- | -- | -- | -- | -- |
| | Other Facility Support | 620 | 0 | 0 | * | * | 0 |
| | Onsite Transportation | 2 | -- | 0 | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 62 | 0 | * | * | * | 0 |
| | End Use Not Reported | 0 | 0 | * | * | * | 0 |
| 335 | ELEC. EQUIP., APPLIANCES, COMPONENTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 12,870 | 0 | * | 40 | * | 0 |
| | Indirect Uses-Boiler Fuel | 33 | 0 | 0 | 7 | 0 | 0 |
| | Conventional Boiler Use | 33 | 0 | 0 | 7 | 0 | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 8,818 | 0 | * | 24 | * | 0 |
| | Process Heating | 2,882 | 0 | * | 22 | * | 0 |
| | Process Cooling and Refrigeration | 585 | 0 | * | Q | 0 | 0 |
| | Machine Drive | 4,710 | 0 | * | 0 | * | 0 |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | 410 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 3,846 | 0 | * | 8 | * | 0 |
| | Facility HVAC (g) | 1,855 | 0 | * | 8 | * | 0 |
| | Facility Lighting | 1,477 | -- | -- | -- | -- | -- |
| | Other Facility Support | 450 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | 16 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | 0 | * | 0 |
| | End Use Not Reported | Q | 0 | * | * | * | 0 |
| 336 | TRANSPORTATION EQUIPMENT | | | | | | |
| | TOTAL FUEL CONSUMPTION | 57,704 | 1 | * | 242 | 1 | * |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|--|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Indirect Uses-Boiler Fuel | 566 | 1 | * | 40 | * | * |
| | Conventional Boiler Use | 566 | 1 | * | 36 | * | * |
| | CHP and/or Cogeneration Process | 0 | * | * | 4 | 0 | * |
| | Direct Uses-Total Process | 34,608 | * | * | 111 | * | 0 |
| | Process Heating | 7,801 | * | * | 73 | * | 0 |
| | Process Cooling and Refrigeration | 3,606 | * | 0 | 2 | * | 0 |
| | Machine Drive | 21,254 | * | * | 3 | * | 0 |
| | Electro-Chemical Processes | 495 | -- | -- | -- | -- | -- |
| | Other Process Use | 1,453 | 0 | * | Q | * | 0 |
| | Direct Uses-Total Nonprocess | 22,233 | * | * | 87 | 1 | 0 |
| | Facility HVAC (g) | 11,027 | * | * | 83 | * | 0 |
| | Facility Lighting | 8,418 | -- | -- | -- | -- | -- |
| | Other Facility Support | 2,099 | * | * | Q | * | 0 |
| | Onsite Transportation | 388 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 302 | * | * | * | * | 0 |
| | End Use Not Reported | 297 | 0 | * | 4 | * | * |
| 336111 | Automobiles | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,929 | * | * | 21 | * | * |
| | Indirect Uses-Boiler Fuel | 70 | * | 0 | 3 | 0 | * |
| | Conventional Boiler Use | 70 | * | 0 | 3 | 0 | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 2,086 | 0 | * | 12 | * | 0 |
| | Process Heating | 277 | 0 | 0 | 11 | * | 0 |
| | Process Cooling and Refrigeration | 160 | 0 | 0 | 1 | 0 | 0 |
| | Machine Drive | 1,427 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 65 | -- | -- | -- | -- | -- |
| | Other Process Use | 157 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 1,679 | 0 | * | 5 | * | 0 |
| | Facility HVAC (g) | 953 | 0 | * | 5 | * | 0 |
| | Facility Lighting | 588 | -- | -- | -- | -- | -- |
| | Other Facility Support | 112 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | 25 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 1 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | 94 | 0 | * | 1 | * | * |
| 336112 | Light Trucks and Utility Vehicles | | | | | | |
| | TOTAL FUEL CONSUMPTION | 4,516 | * | * | 24 | * | * |
| | Indirect Uses-Boiler Fuel | 43 | * | * | 6 | * | * |
| | Conventional Boiler Use | 43 | * | * | 6 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 2,785 | 0 | * | 11 | * | 0 |
| | Process Heating | 125 | 0 | 0 | 10 | * | 0 |
| | Process Cooling and Refrigeration | 363 | 0 | 0 | * | * | 0 |
| | Machine Drive | 1,925 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 83 | -- | -- | -- | -- | -- |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|-------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | Other Process Use | 289 | 0 | * | * | * | 0 |
| | Direct Uses-Total Nonprocess | 1,687 | 0 | * | 7 | * | 0 |
| | Facility HVAC (g) | 811 | 0 | * | 6 | * | 0 |
| | Facility Lighting | 637 | -- | -- | -- | -- | -- |
| | Other Facility Support | 159 | 0 | * | * | 0 | 0 |
| | Onsite Transportation | 73 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | 7 | 0 | * | 0 | * | 0 |
| | End Use Not Reported | * | 0 | * | * | * | 0 |
| 3364 | Aerospace Products | | | | | | |
| | TOTAL FUEL CONSUMPTION | 11,892 | * | * | 30 | * | * |
| | Indirect Uses-Boiler Fuel | 185 | * | * | 14 | * | * |
| | Conventional Boiler Use | 185 | * | * | 10 | * | * |
| | CHP and/or Cogeneration Process | 0 | * | * | 4 | 0 | 0 |
| | Direct Uses-Total Process | 5,429 | * | * | 6 | * | 0 |
| | Process Heating | 1,558 | * | * | 4 | * | 0 |
| | Process Cooling and Refrigeration | 892 | * | 0 | * | * | 0 |
| | Machine Drive | 2,659 | * | * | Q | * | 0 |
| | Electro-Chemical Processes | 113 | -- | -- | -- | -- | -- |
| | Other Process Use | 207 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 6,192 | * | * | 7 | * | 0 |
| | Facility HVAC (g) | 3,273 | * | * | 7 | * | 0 |
| | Facility Lighting | 2,225 | -- | -- | -- | -- | -- |
| | Other Facility Support | 620 | * | * | * | * | 0 |
| | Onsite Transportation | 66 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | * | 0 |
| | Other Nonprocess Use | 7 | 0 | * | * | * | 0 |
| | End Use Not Reported | 86 | 0 | * | 2 | * | 0 |
| 336411 | Aircraft | | | | | | |
| | TOTAL FUEL CONSUMPTION | 3,400 | * | * | 8 | * | 0 |
| | Indirect Uses-Boiler Fuel | 16 | * | * | 5 | * | 0 |
| | Conventional Boiler Use | 16 | * | * | 5 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 1,372 | 0 | * | 2 | * | 0 |
| | Process Heating | 266 | 0 | * | 1 | * | 0 |
| | Process Cooling and Refrigeration | 335 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 671 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | 16 | -- | -- | -- | -- | -- |
| | Other Process Use | 84 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Nonprocess | 2,004 | 0 | * | 2 | * | 0 |
| | Facility HVAC (g) | 993 | 0 | * | 2 | * | 0 |
| | Facility Lighting | 783 | -- | -- | -- | -- | -- |
| | Other Facility Support | 183 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 39 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | 7 | 0 | * | 0 | * | 0 |

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---------------------------------------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
| | End Use Not Reported | 9 | 0 | * | 0 | * | 0 |
| 337 | FURNITURE AND RELATED PRODUCTS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,362 | * | * | 16 | * | * |
| | Indirect Uses-Boiler Fuel | 126 | * | * | 1 | * | * |
| | Conventional Boiler Use | 126 | * | * | 1 | * | * |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | * | 0 | 0 |
| | Direct Uses-Total Process | 4,536 | 0 | * | 7 | * | 0 |
| | Process Heating | 597 | 0 | * | 7 | * | 0 |
| | Process Cooling and Refrigeration | 135 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 3,759 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | Q | 0 | * | 0 | * | 0 |
| | Direct Uses-Total Nonprocess | 2,971 | * | * | 7 | * | * |
| | Facility HVAC (g) | 1,221 | * | * | 7 | * | * |
| | Facility Lighting | 1,288 | -- | -- | -- | -- | -- |
| | Other Facility Support | 403 | 0 | 0 | * | 0 | 0 |
| | Onsite Transportation | 34 | -- | * | * | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | 0 | 0 | 0 |
| | Other Nonprocess Use | Q | 0 | * | 0 | * | 0 |
| | End Use Not Reported | Q | 0 | 0 | Q | * | * |
| 339 | MISCELLANEOUS | | | | | | |
| | TOTAL FUEL CONSUMPTION | 9,677 | * | * | 24 | * | 0 |
| | Indirect Uses-Boiler Fuel | 226 | * | 0 | 4 | * | 0 |
| | Conventional Boiler Use | 226 | * | 0 | 4 | * | 0 |
| | CHP and/or Cogeneration Process | 0 | 0 | 0 | 0 | 0 | 0 |
| | Direct Uses-Total Process | 4,880 | * | * | 6 | * | 0 |
| | Process Heating | 983 | * | * | 5 | * | 0 |
| | Process Cooling and Refrigeration | 574 | 0 | 0 | * | 0 | 0 |
| | Machine Drive | 3,175 | 0 | * | * | * | 0 |
| | Electro-Chemical Processes | Q | -- | -- | -- | -- | -- |
| | Other Process Use | 83 | 0 | * | 1 | * | 0 |
| | Direct Uses-Total Nonprocess | 4,506 | * | * | 13 | * | 0 |
| | Facility HVAC (g) | 2,388 | * | * | 12 | * | 0 |
| | Facility Lighting | 1,617 | -- | -- | -- | -- | -- |
| | Other Facility Support | 484 | 0 | 0 | 1 | * | 0 |
| | Onsite Transportation | 17 | -- | * | 0 | * | -- |
| | Conventional Electricity Generation | -- | 0 | * | * | 0 | 0 |
| | Other Nonprocess Use | 0 | 0 | * | * | * | 0 |
| | End Use Not Reported | 64 | 0 | * | Q | * | 0 |

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

(b) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for

Table 5.3 End Uses of Fuel Consumption, 2006;**Level: National Data;****Row: End Uses within NAICS Codes;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

| NAICS Code(a) | End Use | Net Demand for Electricity(b) (million kWh) | Residual Fuel Oil (million bbl) | Distillate Fuel Oil and Diesel Fuel(c) (million bbl) | Natural Gas(d) (billion cu ft) | LPG and NGL(e) (million bbl) | Coal (excluding Coal Coke and Breeze) (million short tons) |
|---------------|---------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|
|---------------|---------|--|------------------------------------|---|-----------------------------------|---------------------------------|---|

Electricity' is not directly comparable with 'Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.

* 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.

-- Estimation is not applicable.

S=Negative value.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'