## 1. Energy Overview

Figure 1.1 Primary Energy Overview
(Quadrillion Btu)
Overview, 1949-2015
120-


Overview, Monthly


Overview, September 2016
Net Imports, January-September


Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary.
Source: Table 1.1.

Table 1.1 Primary Energy Overview
(Quadrillion Btu)

|  | Production |  |  |  | Trade |  |  | Stock Change and Other ${ }^{\text {d }}$ | Consumption |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fossil Fuels ${ }^{\text {a }}$ | Nuclear Electric Power | Renewable Energy ${ }^{\text {b }}$ | Total | Imports | Exports | Net Imports ${ }^{\text {C }}$ |  | Fossil Fuels ${ }^{\text {e }}$ | Nuclear Electric Power | Renewable Energy ${ }^{\text {b }}$ | Total ${ }^{\text {f }}$ |
| 1950 Total | 32.563 | 0.000 | 2.978 | 35.540 | 1.913 | 1.465 | 0.448 | -1.372 | 31.632 | 0.000 | 2.978 | 34.616 |
| 1955 Total | 37.364 | . 000 | 2.784 | 40.148 | 2.790 | 2.286 | . 504 | -. 444 | 37.410 | . 000 | 2.784 | 40.208 |
| 1960 Total | 39.869 | . 006 | 2.928 | 42.803 | 4.188 | 1.477 | 2.710 | -. 427 | 42.137 | . 006 | 2.928 | 45.086 |
| 1965 Total | 47.235 | . 043 | 3.396 | 50.674 | 5.892 | 1.829 | 4.063 | -. 722 | 50.577 | . 043 | 3.396 | 54.015 |
| 1970 Total | 59.186 | . 239 | 4.070 | 63.495 | 8.342 | 2.632 | 5.709 | -1.367 | 63.522 | . 239 | 4.070 | 67.838 |
| 1975 Total | 54.733 | 1.900 | 4.687 | 61.320 | 14.032 | 2.323 | 11.709 | -1.065 | 65.357 | 1.900 | 4.687 | 71.965 |
| 1980 Total | 59.008 | 2.739 | 5.428 | 67.175 | 15.796 | 3.695 | 12.101 | -1.210 | 69.828 | 2.739 | 5.428 | 78.067 |
| 1985 Total | 57.539 | 4.076 | 6.084 | 67.698 | 11.781 | 4.196 | 7.584 | 1.110 | 66.093 | 4.076 | 6.084 | 76.392 |
| 1990 Total | 58.560 | 6.104 | 6.040 | 70.704 | 18.817 | 4.752 | 14.065 | -. 284 | 72.332 | 6.104 | 6.040 | 84.484 |
| 1995 Total | 57.540 | 7.075 | 6.557 | 71.173 | 22.180 | 4.496 | 17.684 | 2.174 | 77.262 | 7.075 | 6.559 | 91.031 |
| 2000 Total | 57.366 | 7.862 | 6.102 | 71.330 | 28.865 | 3.962 | 24.904 | 2.583 | 84.735 | 7.862 | 6.104 | 98.817 |
| 2001 Total | 58.541 | 8.029 | 5.162 | 71.732 | 30.052 | 3.731 | 26.321 | -1.883 | 82.906 | 8.029 | 5.160 | 96.170 |
| 2002 Total | 56.834 | 8.145 | 5.731 | 70.710 | 29.331 | 3.608 | 25.722 | 1.211 | 83.700 | 8.145 | 5.726 | 97.643 |
| 2003 Total | 56.033 | 7.960 | 5.942 | 69.935 | 31.007 | 4.013 | 26.994 | . 989 | 83.992 | 7.960 | 5.944 | 97.917 |
| 2004 Total | 55.942 | 8.223 | 6.063 | 70.228 | 33.492 | 4.351 | 29.141 | . 721 | 85.754 | 8.223 | 6.075 | 100.090 |
| 2005 Total | 55.049 | 8.161 | 6.221 | 69.431 | 34.659 | 4.462 | 30.197 | . 560 | 85.709 | 8.161 | 6.233 | 100.188 |
| 2006 Total | 55.934 | 8.215 | 6.586 | 70.735 | 34.649 | 4.727 | 29.921 | -1.171 | 84.570 | 8.215 | 6.637 | 99.484 |
| 2007 Total | 56.435 | 8.459 | 6.510 | 71.404 | 34.679 | 5.338 | 29.341 | . 270 | 85.927 | 8.459 | 6.523 | 101.015 |
| 2008 Total | 57.588 | 8.426 | 7.191 | 73.205 | 32.970 | 6.949 | 26.021 | -. 336 | 83.178 | 8.426 | 7.174 | 98.891 |
| 2009 Total | 56.669 | 8.355 | 7.620 | 72.645 | 29.690 | 6.920 | 22.770 | -1.297 | 78.042 | 8.355 | 7.604 | 94.118 |
| 2010 Total | 58.216 | 8.434 | 8.077 | 74.727 | 29.866 | 8.176 | 21.690 | 1.027 | 80.891 | 8.434 | 8.030 | 97.444 |
| 2011 Total | 60.550 | 8.269 | 9.095 | 77.913 | 28.748 | 10.373 | 18.375 | . 553 | 79.447 | 8.269 | 8.999 | 96.842 |
| 2012 Total | 62.303 | 8.062 | 8.743 | 79.107 | 27.068 | 11.267 | 15.801 | -. 492 | 77.487 | 8.062 | 8.706 | 94.416 |
| 2013 Total .................. | 64.201 | 8.244 | 9.249 | 81.695 | 24.623 | 11.788 | 12.835 | R 2.627 | ${ }^{\text {R }} 79.440$ | 8.244 | R 9.275 | R 97.157 |
| 2014 January ............... | 5.578 | . 765 | . 815 | 7.158 | 2.058 | 1.000 | 1.059 | 1.366 | 7.995 | . 765 | . 808 | 9.583 |
| February ............. | 5.107 | . 655 | . 700 | 6.462 | 1.798 | . 923 | . 875 | 1.084 | 7.058 | . 655 | . 697 | 8.421 |
| March .................. | 5.779 | . 653 | . 850 | 7.282 | 1.977 | 1.088 | . 889 | . 348 | 7.009 | . 653 | . 845 | 8.519 |
| April .................... | 5.693 | . 590 | . 858 | 7.141 | 1.949 | . 972 | . 977 | -. 568 | 6.093 | . 590 | . 856 | 7.550 |
| May .................... | 5.831 | . 658 | . 855 | 7.344 | 1.979 | 1.013 | . 966 | -. 669 | 6.114 | . 658 | . 853 | 7.641 |
| June ................... | 5.651 | . 713 | . 853 | 7.217 | 1.829 | 1.014 | . 815 | -. 257 | 6.198 | . 713 | . 849 | 7.775 |
| July .................... | 5.963 | . 752 | . 820 | 7.535 | 1.995 | 1.061 | . 934 | -. 242 | 6.641 | . 752 | . 817 | 8.228 |
| August ................ | 6.047 | . 744 | . 754 | 7.545 | 1.972 | 1.061 | . 912 | -. 247 | 6.689 | . 744 | . 756 | 8.209 |
| September .......... | 5.868 | . 706 | . 709 | 7.283 | 1.889 | . 966 | . 923 | -. 558 | 6.216 | . 706 | . 708 | 7.648 |
| October ............... | 6.098 | . 653 | . 758 | 7.508 | 1.899 | 1.009 | . 891 | -. 642 | 6.330 | . 653 | . 759 | 7.756 |
| November ............ | 5.874 | . 681 | . 803 | 7.358 | 1.879 | 1.024 | . 855 | -. 020 | 6.697 | . 681 | . 799 | 8.194 |
| December ............ | 6.164 | . 767 | . 820 | 7.752 | 2.016 | 1.140 | . 876 | . 166 | 7.200 | . 767 | . 812 | 8.794 |
| Total .................. | 69.653 | 8.338 | 9.595 | 87.585 | 23.241 | 12.270 | 10.971 | -. 239 | 80.240 | 8.338 | 9.558 | 98.317 |
| 2015 January ............... | R 6.084 | . 777 | R . 806 | R 7.667 | R 2.075 | 1.103 | R . 972 | ${ }^{\mathrm{R}} .632$ | ${ }^{\text {R } 7.685}$ | . 777 | R . 792 | R 9.271 |
| February ............... | R 5.443 | . 664 | R. 751 | R 6.857 | R 1.840 | 1.006 | R . 834 | R. 908 | R 7.175 | . 664 | R . 747 | R 8.599 |
| March .................. | ${ }^{\text {R } 6.080}$ | . 675 | R . 815 | R 7.570 | $\mathrm{R}^{\mathrm{R}} 2.079$ | 1.035 | R 1.044 | R - . 192 | R 6.917 | . 675 | R . 811 | R 8.422 |
| April ................... | R 5.866 | . 625 | ${ }^{\mathrm{R}} .812$ | R 7.303 | R 1.922 | R 1.105 | ${ }^{\mathrm{R}} .816$ | R -. 661 | R 6.003 | . 625 | ${ }^{\mathrm{R}} .810$ | R 7.459 |
| May ....................... | R 5.860 | R. 688 | R. 805 | R 7.353 | R 2.000 | 1.110 | R. 890 | R R . 606 | R 6.122 | R. 688 | R. 807 | R 7.637 |
| June | R 5.623 | . 717 | R .771 | R 7.111 | R 1.963 | R 1.032 | R. 930 | ${ }^{\mathrm{R}} \mathrm{R} .145$ | R 6.386 | . 717 | R. 773 | R 7.896 |
| July | R 5.978 | . 747 | R. 796 | ${ }^{\mathrm{R}} 7.521$ | R 2.032 | 1.095 | ${ }^{\mathrm{R}} .937$ | R - 034 | ${ }^{\text {R } 6.858}$ | . 747 | R. 797 | ${ }^{\mathrm{R}} 8.423$ |
| August ..... | ${ }^{\mathrm{R}} 6.101$ | . 757 | R . 770 | R 7.628 | R 2.082 | 1.054 | R 1.028 | R - . 349 | ${ }^{\mathrm{R}} 6.753$ | . 757 | R . 774 | ${ }^{\mathrm{R}} 8.307$ |
| September ........... | R 5.890 | . 695 | R. 721 | R 7.306 | R 1.925 | 1.076 | R .849 | R -. 475 | R 6.237 | . 695 | R. 728 | R 7.680 |
| October ............... | R 5.956 | R. 633 | ${ }^{\mathrm{R}} .753$ | R 7.343 | R 1.901 | 1.070 | ${ }^{\mathrm{R}} .832$ | R -. 562 | R 6.210 | R .633 | ${ }^{\mathrm{R}} .754$ | R 7.612 |
| November | R 5.667 | . 630 | R. 806 | R 7.103 | R 1.899 | 1.060 | R. 839 | R - . 262 | R 6.222 | . 630 | R. 802 | R 7.672 |
| December ............ | ${ }^{R} 5.673$ | . 728 | R 860 | R 7.262 | ${ }^{\mathrm{R}} 2.076$ | 1.156 | R . 923 | R . 183 | ${ }^{\mathrm{R}} 6.764$ | . 728 | R . 855 | R 8.365 |
| Total ................... | ${ }^{\mathrm{R}} 70.221$ | ${ }^{\mathrm{R}} 8.337$ | R 9.466 | ${ }^{\text {R } 88.024}$ | ${ }^{\text {R } 23.794}$ | ${ }^{\text {R }} 12.902$ | ${ }^{\text {R }} 10.892$ | R-1.572 | ${ }^{\mathrm{R}} 79.330$ | ${ }^{\mathrm{R}} 8.337$ | R 9.450 | R 97.344 |
| 2016 January ............... | R 5.584 | . 759 | R . 856 | R 7.199 | R 2.114 | 1.087 | R 1.027 | ${ }^{\mathrm{R}} .851$ | R 7.454 | ¢ . 759 | ${ }^{\mathrm{R}} .843$ | R 9.077 |
| February ............... | R 5.270 | R. 686 | ${ }^{\mathrm{R}} .845$ | R 6.801 | R 2.025 | 1.043 | R . 983 | R. 442 | R 6.678 | R. 686 | R . 844 | R 8.225 |
| March | R 5.499 | . 692 | ${ }^{\mathrm{R}} .916$ | R 7.107 | R 2.142 | 1.156 | ${ }^{\mathrm{R}} .986$ | R - .116 | R 6.352 | . 692 | R . 914 | R 7.976 |
| April ................... | R 5.163 | . 652 | ${ }^{\mathrm{R}} .868$ | ${ }^{\text {R }} 6.683$ | R 2.033 | 1.120 | R .914 | R - . 150 | ${ }^{\text {R }} 5.912$ | . 652 | ${ }^{\mathrm{R}} \mathrm{R} .868$ | R 7.447 |
| May ....................... | R 5.388 | . 696 | R. 880 | R 6.964 | R 2.172 | 1.231 | R. 941 | R -. 324 | R 5.984 | . 696 | R. 883 | R 7.582 |
| June | R 5.318 | . 703 | ${ }^{\mathrm{R}} .836$ | R 6.856 | R 2.081 | 1.157 | R. 924 | R. 169 | R 6.386 | . 703 | ${ }^{\mathrm{R}} .838$ | R 7.949 |
| July .................... | 5.553 | . 736 | ${ }^{\mathrm{R}} .852$ | R 7.140 | R 2.255 | 1.131 | R 1.124 | R. 218 | R 6.863 | . 736 | ${ }^{\mathrm{R}} .858$ | R 8.482 |
| August ................ | 5.696 | . 748 | R . 797 | R 7.241 | R 2.214 | 1.190 | R 1.024 | R . 271 | R 6.960 | . 748 | R . 804 | R 8.536 |
| September .......... | 5.461 | . 684 | . 766 | 6.911 | 2.105 | 1.157 | . 947 | -. 074 | 6.308 | . 684 | . 772 | 7.784 |
| 9-Month Total ..... | 48.932 | 6.356 | 7.614 | 62.902 | 19.142 | 10.272 | 8.870 | 1.286 | 58.898 | 6.356 | 7.623 | 73.058 |
| 2015 9-Month Total ..... | 52.924 | 6.345 | 7.047 | 66.316 | 17.918 | 9.616 | 8.301 | -. 923 | 60.134 | 6.345 | 7.038 | 73.694 |
| 2014 9-Month Total ..... | 51.516 | 6.236 | 7.214 | 64.967 | 17.447 | 9.097 | 8.350 | . 257 | 60.013 | 6.236 | 7.188 | 73.574 |

[^0]Notes: • See "Primary Energy," "Primary Energy Production," and "Primary Energy Consumption," in Glossary. • Totals may not equal sum of components due to independent rounding. - Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
Sources: - Production: Table 1.2. - Trade: Tables 1.4a and 1.4b. - Stock Change and Other: Calculated as consumption minus production and net imports. - Consumption: Table 1.3.

Figure 1.2 Primary Energy Production
(Quadrillion Btu)
By Source, 1949-2015


By Source, Monthly



Total, January-September


By Source, September 2016

${ }^{\text {a }}$ Natural gas plant liquids.
Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary.
Source: Table 1.2.

Table 1.2 Primary Energy Production by Source
(Quadrillion Btu)

|  | Fossil Fuels |  |  |  |  | Nuclear Electric Power | Renewable Energy ${ }^{\text {a }}$ |  |  |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Coal ${ }^{\text {b }}$ | Natural Gas (Dry) | Crude $\mathrm{Oil}^{\mathrm{C}}$ | NGPL ${ }^{\text {d }}$ | Total |  | Hydroelectric Power ${ }^{\text {e }}$ | Geothermal | Solar | Wind | Biomass | Total |  |
| 1950 Total ................ | 14.060 | 6.233 | 11.447 | 0.823 | 32.563 | 0.000 | 1.415 | NA | NA | NA | 1.562 | 2.978 | 35.540 |
| 1955 Total ................ | 12.370 | 9.345 | 14.410 | 1.240 | 37.364 | . 000 | 1.360 | NA | NA | NA | 1.424 | 2.784 | 40.148 |
| 1960 Total | 10.817 | 12.656 | 14.935 | 1.461 | 39.869 | . 006 | 1.608 | (s) | NA | NA | 1.320 | 2.928 | 42.803 |
| 1965 Total | 13.055 | 15.775 | 16.521 | 1.883 | 47.235 | . 043 | 2.059 | . 002 | NA | NA | 1.335 | 3.396 | 50.674 |
| 1970 Total ................. | 14.607 | 21.666 | 20.401 | 2.512 | 59.186 | . 239 | 2.634 | . 006 | NA | NA | 1.431 | 4.070 | 63.495 |
| 1975 Total ................ | 14.989 | 19.640 | 17.729 | 2.374 | 54.733 | 1.900 | 3.155 | . 034 | NA | NA | 1.499 | 4.687 | 61.320 |
| 1980 Total ................... | 18.598 | 19.908 | 18.249 | 2.254 | 59.008 | 2.739 | 2.900 | . 053 | NA | NA | 2.475 | 5.428 | 67.175 |
| 1985 Total | 19.325 | 16.980 | 18.992 | 2.241 | 57.539 | 4.076 | 2.970 | . 097 | (s) | (s) | 3.016 | 6.084 | 67.698 |
| 1990 Total ................ | 22.488 | 18.326 | 15.571 | 2.175 | 58.560 | 6.104 | 3.046 | . 171 | . 059 | . 029 | 2.735 | 6.040 | 70.704 |
| 1995 Total ................ | 22.130 | 19.082 | 13.887 | 2.442 | 57.540 | 7.075 | 3.205 | . 152 | . 068 | . 033 | 3.099 | 6.557 | 71.173 |
| 2000 Total | 22.735 | 19.662 | 12.358 | 2.611 | 57.366 | 7.862 | 2.811 | . 164 | . 063 | . 057 | 3.006 | 6.102 | 71.330 |
| 2001 Total | 23.547 | 20.166 | 12.282 | 2.547 | 58.541 | 8.029 | 2.242 | . 164 | . 062 | . 070 | 2.624 | 5.162 | 71.732 |
| 2002 Total | 22.732 | 19.382 | 12.160 | 2.559 | 56.834 | 8.145 | 2.689 | . 171 | . 060 | . 105 | 2.705 | 5.731 | 70.710 |
| 2003 Total | 22.094 | 19.633 | 11.960 | 2.346 | 56.033 | 7.960 | 2.793 | . 173 | . 058 | . 113 | 2.805 | 5.942 | 69.935 |
| 2004 Total | 22.852 | 19.074 | 11.550 | 2.466 | 55.942 | 8.223 | 2.688 | . 178 | . 058 | . 142 | 2.996 | 6.063 | 70.228 |
| 2005 Total | 23.185 | 18.556 | 10.974 | 2.334 | 55.049 | 8.161 | 2.703 | . 181 | . 058 | . 178 | 3.101 | 6.221 | 69.431 |
| 2006 Total ................. | 23.790 | 19.022 | 10.767 | 2.356 | 55.934 | 8.215 | 2.869 | . 181 | . 061 | . 264 | 3.212 | 6.586 | 70.735 |
| 2007 Total | 23.493 | 19.786 | 10.747 | 2.409 | 56.435 | 8.459 | 2.446 | . 186 | . 065 | . 341 | 3.472 | 6.510 | 71.404 |
| 2008 Total | 23.851 | 20.703 | 10.614 | 2.419 | 57.588 | 8.426 | 2.511 | . 192 | . 074 | . 546 | 3.868 | 7.191 | 73.205 |
| 2009 Total | 21.624 | 21.139 | 11.332 | 2.574 | 56.669 | 8.355 | 2.669 | . 200 | . 078 | . 721 | 3.953 | 7.620 | 72.645 |
| 2010 Total | 22.038 | 21.806 | 11.591 | 2.781 | 58.216 | 8.434 | 2.539 | . 208 | . 090 | . 923 | 4.316 | 8.077 | 74.727 |
| 2011 Total | 22.221 | 23.406 | 11.952 | 2.970 | 60.550 | 8.269 | 3.103 | . 212 | . 111 | 1.168 | 4.501 | 9.095 | 77.913 |
| 2012 Total | 20.677 | 24.610 | 13.770 | 3.246 | 62.303 | 8.062 | 2.629 | . 212 | . 157 | 1.340 | 4.406 | 8.743 | 79.107 |
| 2013 Total ................ | 20.001 | 24.859 | 15.809 | 3.532 | 64.201 | 8.244 | 2.562 | . 214 | . 225 | 1.601 | 4.647 | 9.249 | 81.695 |
| 2014 January ............. | 1.686 | 2.136 | 1.444 | . 311 | 5.578 | . 765 | . 206 | . 018 | . 017 | . 170 | . 404 | . 815 | 7.158 |
| February ........... | 1.529 | 1.975 | 1.320 | . 283 | 5.107 | . 655 | . 165 | . 016 | . 018 | . 133 | . 367 | . 700 | 6.462 |
| March ................ | 1.764 | 2.203 | 1.485 | . 327 | 5.779 | . 653 | . 231 | . 018 | . 026 | . 169 | . 406 | . 850 | 7.282 |
| April ................. | 1.682 | 2.184 | 1.497 | . 330 | 5.693 | . 590 | . 242 | . 018 | . 029 | . 177 | . 392 | . 858 | 7.141 |
| May .................. | 1.699 | 2.245 | 1.547 | . 341 | 5.831 | . 658 | . 252 | . 018 | . 033 | . 148 | . 403 | . 855 | 7.344 |
| June ................. | 1.605 | 2.183 | 1.517 | . 346 | 5.651 | . 713 | . 245 | . 018 | . 035 | . 150 | . 406 | . 853 | 7.217 |
| July ....................... | 1.714 | 2.304 | 1.585 | . 359 | 5.963 | . 752 | . 232 | . 018 | . 034 | . 116 | . 420 | . 820 | 7.535 |
| August .............. | 1.772 | 2.317 | 1.596 | . 363 | 6.047 | . 744 | . 188 | . 018 | . 035 | . 097 | . 416 | . 754 | 7.545 |
| September ......... | 1.696 | 2.241 | 1.574 | . 357 | 5.868 | . 706 | . 153 | . 018 | . 033 | . 110 | . 396 | . 709 | 7.283 |
| October ............. | 1.730 | 2.339 | 1.660 | . 369 | 6.098 | . 653 | . 163 | . 018 | . 031 | . 138 | . 407 | . 758 | 7.508 |
| November .......... | 1.658 | 2.249 | 1.619 | . 348 | 5.874 | . 681 | . 177 | . 018 | . 025 | . 179 | . 403 | . 803 | 7.358 |
| December .......... | 1.751 | 2.342 | 1.707 | . 364 | 6.164 | . 767 | . 212 | . 018 | . 021 | . 140 | . 428 | . 820 | 7.752 |
| Total ................ | 20.286 | 26.718 | 18.552 | 4.096 | 69.653 | 8.338 | 2.467 | . 214 | . 337 | 1.728 | 4.849 | 9.595 | 87.585 |
| 2015 January ............. | 1.734 | 2.334 | R 1.662 | . 355 | ${ }^{\text {R } 6.084 ~}$ | . 777 | R . 225 | R. 018 | R .021 | R. 141 | R . 401 | R . 806 | R 7.667 |
| February ........... | 1.448 | 2.140 | R 1.523 | . 331 | R 5.443 | . 664 | R. 208 | R. 017 | R. 025 | R. 139 | . 363 | R. 751 | R 6.857 |
| March ................ | R 1.628 | 2.380 | R 1.695 | . 376 | R 6.080 | . 675 | R . 226 | R. 018 | R. 035 | R. 143 | R. 393 | R .815 | R 7.570 |
| April .................. | 1.502 | 2.334 | R 1.651 | . 379 | R 5.866 | . 625 | R. 209 | R. 017 | ${ }^{R} .040$ | R. 167 | R. 380 | R. 812 | R 7.303 |
| May ...................... | 1.409 | 2.385 | R 1.679 | . 387 | R 5.860 | R. 688 | R. 188 | R. 018 | R. 043 | R. 160 | R. 396 | R. 805 | R 7.353 |
| June .................... | 1.341 | 2.311 | R 1.598 | . 373 | R 5.623 | . 717 | R. 190 | R. 017 | ${ }^{R} .043$ | R. 125 | R. 395 | R. 771 | R 7.111 |
| July .................. | 1.531 | 2.389 | R 1.669 | . 389 | R 5.978 | . 747 | R. 196 | R. 018 | R. 045 | R .127 | R. 410 | R. 796 | R 7.521 |
| August .............. | 1.654 | 2.387 | R 1.663 | . 397 | R 6.101 | . 757 | R. 178 | R. 018 | ${ }^{\mathrm{R}} .045$ | R. 122 | R. 406 | R. 770 | R 7.628 |
| September ......... | R 1.555 | 2.332 | R 1.616 | . 386 | R 5.890 | . 695 | R. 150 | . 017 | ${ }^{\mathrm{R}} .039$ | R. 130 | R. 385 | R. 721 | R 7.306 |
| October ............. | R 1.510 | 2.383 | R 1.658 | . 405 | R 5.956 | R. 633 | R. 155 | . 018 | ${ }^{\mathrm{R}} .034$ | R. 153 | R. 393 | R. 753 | R 7.343 |
| November .......... | 1.373 | 2.305 | R 1.596 | . 393 | R 5.667 | . 630 | R. 180 | . 018 | R. 030 | R. 183 | R. 394 | R. 806 | R 7.103 |
| December .......... | R 1.262 | 2.380 | R1.635 | . 397 | R 5.673 | . 728 | R. 216 | R. 018 | R. 027 | R. 187 | R. 412 | R. 860 | R 7.262 |
| Total ................ | R 17.946 | 28.061 | ${ }^{\text {R } 19.647}$ | 4.567 | ${ }^{R} 70.221$ | R 8.337 | R 2.321 | R. 213 | R. 427 | R1.777 | R 4.727 | R 9.466 | ${ }^{\mathrm{R}} 88.024$ |
| 2016 January ............. | R 1.212 | E 2.359 | RE 1.629 | . 383 | R 5.584 | . 759 | R . 236 | . 019 | R .027 | R . 173 | ${ }^{\mathrm{R}} .401$ | R . 856 | R 7.199 |
| February ............. | 1.148 | E 2.244 | RE 1.516 | . 361 | R 5.270 | R. 686 | R. 225 | . 018 | R. 037 | R. 188 | R. 376 | R . 845 | R 6.801 |
| March ................. | R 1.108 | E 2.358 | RE 1.626 | . 407 | R 5.499 | . 692 | R. 252 | . 019 | R. 045 | R. 203 | R. 397 | R. 916 | R 7.107 |
| April .................. | . 966 | E2.269 | RE 1.535 | . 394 | R 5.163 | . 652 | R. 237 | . 018 | R. 049 | R. 192 | R. 372 | R. 868 | R 6.683 |
| May .................. | R 1.063 | E 2.333 | RE 1.574 | . 417 | R 5.388 | . 696 | R. 236 | . 020 | R. 057 | R. 175 | R. 391 | R. 880 | R 6.964 |
| June ................. | R 1.190 | E 2.227 | RE 1.494 | . 406 | R 5.318 | . 703 | R. 213 | . 018 | R. 058 | R. 152 | R. 394 | R. 836 | R 6.856 |
| July .................. | R 1.303 | RE 2.295 | RE 1.540 | . 415 | 5.553 | . 736 | R. 198 | . 019 | R. 063 | R. 164 | R. 407 | R. 852 | R 7.140 |
| August .............. | R 1.426 | RE 2.325 | RE 1.550 | . 395 | 5.696 | . 748 | R. 180 | . 019 | R. 061 | R. 126 | R. 410 | R. 797 | R 7.241 |
| September ........ | 1.366 | E 2.239 | E 1.472 | . 384 | 5.461 | . 684 | . 152 | . 019 | . 056 | . 153 | . 385 | . 766 | 6.911 |
| 9-Month Total ... | 10.782 | E 20.650 | E 13.937 | 3.562 | 48.932 | 6.356 | 1.930 | . 170 | . 455 | 1.526 | 3.533 | 7.614 | 62.902 |
| 2015 9-Month Total ... | 13.801 | 20.993 | 14.757 | 3.373 | 52.924 | 6.345 | 1.770 | . 159 | . 336 | 1.254 | 3.528 | 7.047 | 66.316 |
| 2014 9-Month Total ... | 15.147 | 19.789 | 13.566 | 3.015 | 51.516 | 6.236 | 1.914 | . 160 | . 260 | 1.270 | 3.610 | 7.214 | 64.967 |

[^1]R=Revised. E=Estimate. NA=Not available. (s)=Less than 0.5 trillion Btu. Notes: - See "Primary Energy Production" in Glossary. • Totals may not equal sum of components due to independent rounding. - Geographic coverage is the 50 states and the District of Columbia.
Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data
beginning in 1973 .
Sources: See end of section.

Figure 1.3 Primary Energy Consumption
(Quadrillion Btu)
By Source, ${ }^{\text {a }} 1949-2015$


By Source, ${ }^{\text {a }}$ Monthly


Total, January-September


By Source, ${ }^{\text {a }}$ September 2016


[^2]Source: Table 1.3.

Table 1.3 Primary Energy Consumption by Source
(Quadrillion Btu)

|  | Fossil Fuels |  |  |  | Nuclear Electric Power | Renewable Energy ${ }^{\text {a }}$ |  |  |  |  |  | Total ${ }^{\text {f }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Coal | Natural Gas ${ }^{\text {b }}$ | Petroleum ${ }^{\text {c }}$ | Total ${ }^{\text {d }}$ |  | Hydroelectric Powere | Geothermal | Solar | Wind | Biomass | Total |  |
| 1950 Total .................. | 12.347 | 5.968 | 13.315 | 31.632 | 0.000 | 1.415 | NA | NA | NA | 1.562 | 2.978 | 34.616 |
| 1955 Total .................. | 11.167 | 8.998 | 17.255 | 37.410 | . 000 | 1.360 | NA | NA | NA | 1.424 | 2.784 | 40.208 |
| 1960 Total .................. | 9.838 | 12.385 | 19.919 | 42.137 | . 006 | 1.608 | (s) | NA | NA | 1.320 | 2.928 | 45.086 |
| 1965 Total | 11.581 | 15.769 | 23.246 | 50.577 | . 043 | 2.059 | . 002 | NA | NA | 1.335 | 3.396 | 54.015 |
| 1970 Total .................. | 12.265 | 21.795 | 29.521 | 63.522 | . 239 | 2.634 | . 006 | NA | NA | 1.431 | 4.070 | 67.838 |
| 1975 Total .................. | 12.663 | 19.948 | 32.732 | 65.357 | 1.900 | 3.155 | . 034 | NA | NA | 1.499 | 4.687 | 71.965 |
| 1980 Total | 15.423 | 20.235 | 34.205 | 69.828 | 2.739 | 2.900 | . 053 | NA | NA | 2.475 | 5.428 | 78.067 |
| 1985 Total | 17.478 | 17.703 | 30.925 | 66.093 | 4.076 | 2.970 | . 097 | (s) | (s) | 3.016 | 6.084 | 76.392 |
| 1990 Total | 19.173 | 19.603 | 33.552 | 72.332 | 6.104 | 3.046 | . 171 | . 059 | . 029 | 2.735 | 6.040 | 84.484 |
| 1995 Total .................. | 20.089 | 22.671 | 34.441 | 77.262 | 7.075 | 3.205 | . 152 | . 068 | . 033 | 3.101 | 6.559 | 91.031 |
| 2000 Total .................. | 22.580 | 23.824 | 38.266 | 84.735 | 7.862 | 2.811 | . 164 | . 063 | . 057 | 3.008 | 6.104 | 98.817 |
| 2001 Total .................. | 21.914 | 22.773 | 38.190 | 82.906 | 8.029 | 2.242 | . 164 | . 062 | . 070 | 2.622 | 5.160 | 96.170 |
| 2002 Total .................. | 21.904 | 23.510 | 38.226 | 83.700 | 8.145 | 2.689 | . 171 | . 060 | . 105 | 2.701 | 5.726 | 97.643 |
| 2003 Total | 22.321 | 22.831 | 38.790 | 83.992 | 7.960 | 2.793 | . 173 | . 058 | . 113 | 2.806 | 5.944 | 97.917 |
| 2004 Total .................. | 22.466 | 22.923 | 40.227 | 85.754 | 8.223 | 2.688 | . 178 | . 058 | . 142 | 3.008 | 6.075 | 100.090 |
| 2005 Total .................. | 22.797 | 22.565 | 40.303 | 85.709 | 8.161 | 2.703 | . 181 | . 058 | . 178 | 3.114 | 6.233 | 100.188 |
| 2006 Total .................. | 22.447 | 22.239 | 39.824 | 84.570 | 8.215 | 2.869 | . 181 | . 061 | . 264 | 3.262 | 6.637 | 99.484 |
| 2007 Total | 22.749 | 23.663 | 39.489 | 85.927 | 8.459 | 2.446 | . 186 | . 065 | . 341 | 3.485 | 6.523 | 101.015 |
| 2008 Total | 22.387 | 23.843 | 36.907 | 83.178 | 8.426 | 2.511 | . 192 | . 074 | . 546 | 3.851 | 7.174 | 98.891 |
| 2009 Total .................. | 19.691 | 23.416 | 34.959 | 78.042 | 8.355 | 2.669 | . 200 | . 078 | . 721 | 3.936 | 7.604 | 94.118 |
| 2010 Total .................. | 20.834 | 24.575 | 35.489 | 80.891 | 8.434 | 2.539 | . 208 | . 090 | . 923 | 4.270 | 8.030 | 97.444 |
| 2011 Total | 19.658 | 24.955 | 34.824 | 79.447 | 8.269 | 3.103 | . 212 | . 111 | 1.168 | 4.405 | 8.999 | 96.842 |
| 2012 Total | 17.378 | 26.089 | 34.016 | 77.487 | 8.062 | 2.629 | . 212 | . 157 | 1.340 | 4.369 | 8.706 | 94.416 |
| 2013 Total .................. | 18.039 | 26.805 | R 34.613 | R 79.440 | 8.244 | 2.562 | . 214 | . 225 | 1.601 | R 4.673 | R 9.275 | R 97.157 |
| 2014 January ............... | 1.747 | 3.302 | 2.948 | 7.995 | . 765 | . 206 | . 018 | . 017 | . 170 | . 397 | . 808 | 9.583 |
| February ............. | 1.600 | 2.824 | 2.636 | 7.058 | . 655 | . 165 | . 016 | . 018 | . 133 | . 364 | . 697 | 8.421 |
| March .................. | 1.523 | 2.635 | 2.851 | 7.009 | . 653 | . 231 | . 018 | . 026 | . 169 | . 401 | . 845 | 8.519 |
| April ................... | 1.240 | 2.019 | 2.835 | 6.093 | . 590 | . 242 | . 018 | . 029 | . 177 | . 390 | . 856 | 7.550 |
| May ................... | 1.357 | 1.863 | 2.896 | 6.114 | . 658 | . 252 | . 018 | . 033 | . 148 | . 401 | . 853 | 7.641 |
| June ................... | 1.559 | 1.796 | 2.843 | 6.198 | . 713 | . 245 | . 018 | . 035 | . 150 | . 402 | . 849 | 7.775 |
| July .................... | 1.702 | 1.936 | 3.004 | 6.641 | . 752 | . 232 | . 018 | . 034 | . 116 | . 417 | . 817 | 8.228 |
| August ................ | 1.694 | 1.990 | 3.009 | 6.689 | . 744 | . 188 | . 018 | . 035 | . 097 | . 418 | . 756 | 8.209 |
| September .......... | 1.457 | 1.862 | 2.900 | 6.216 | . 706 | . 153 | . 018 | . 033 | . 110 | . 394 | . 708 | 7.648 |
| October ............... | 1.304 | 1.969 | 3.059 | 6.330 | . 653 | . 163 | . 018 | . 031 | . 138 | . 408 | . 759 | 7.756 |
| November ........... | 1.376 | 2.428 | 2.896 | 6.697 | . 681 | . 177 | . 018 | . 025 | . 179 | . 399 | . 799 | 8.194 |
| December ............ | 1.440 | 2.760 | 3.003 | 7.200 | . 767 | . 212 | . 018 | . 021 | . 140 | . 420 | . 812 | 8.794 |
| Total ................... | 17.998 | 27.383 | 34.881 | 80.240 | 8.338 | 2.467 | . 214 | . 337 | 1.728 | 4.812 | 9.558 | 98.317 |
| 2015 January ............... | R 1.498 | $\mathrm{R}^{\mathrm{R}} 3.223$ | 2.966 | ${ }^{\text {R } 7.685}$ | . 777 | R . 225 | R. 018 | R. 021 | R . 141 | R . 386 | R . 792 | R 9.271 |
| February ............. | R 1.409 | R 3.028 | 2.739 | R 7.175 | . 664 | R. 208 | R. 017 | ${ }^{\text {R }} \mathrm{R} .025$ | R. 139 | . 358 | R. 747 | R 8.599 |
| March ................. | R 1.238 | R 2.682 | 2.996 | ${ }^{\text {R }} 6.917$ | . 675 | R. 226 | R. 018 | ${ }^{\text {R }} .035$ | R. 143 | ${ }^{\mathrm{R} .} \mathrm{}$. | R. 811 | R 8.422 |
| April ................... | R 1.037 | R2.078 | 2.890 | R 6.003 | . 625 | R. 209 | R. 017 | ${ }^{R} \mathrm{R} .040$ | R. 167 | R. 378 | R. 810 | R 7.459 |
| May .................... | R 1.206 | R1.923 | 2.995 | ${ }^{\mathrm{R}} 6.122$ | R . 688 | R. 188 | ${ }^{\mathrm{R}} .018$ | ${ }^{\text {R }} .043$ | R. 160 | . 398 | R. 807 | R 7.637 |
| June ................... | R 1.439 | R 1.967 | 2.983 | ${ }^{\mathrm{R}} 6.386$ | . 717 | R. 190 | R. 017 | ${ }^{\text {R }} .043$ | R. 125 | R . 397 | R. 773 | R 7.896 |
| July ....................... | R 1.587 | R2.140 | 3.132 | ${ }^{R} 6.858$ | . 747 | R. 196 | R. 018 | ${ }^{\text {R }} \mathrm{R} .045$ | R. 127 | . 411 | R. 797 | R 8.423 |
| August ................ | R 1.531 | R2.124 | 3.099 | ${ }^{\mathrm{R}} 6.753$ | . 757 | R. 178 | R. 018 | ${ }^{\text {R }} \mathrm{R} .045$ | R. 122 | ${ }_{\mathrm{R}} .411$ | R. 774 | R 8.307 |
| September .......... | R 1.351 | ${ }^{\mathrm{R}} 1.968$ | 2.917 | ${ }^{\mathrm{R}} 6.237$ | . 695 | R. 150 | . 017 | ${ }^{\text {R }} .039$ | R. 130 | ${ }^{\mathrm{R}} .392$ | R. 728 | R 7.680 |
| October ............... | R 1.138 | R2.056 | 3.017 | ${ }^{\mathrm{R}} 6.210$ | R . 633 | R. 155 | . 018 | ${ }^{\text {R }} .034$ | ${ }^{\mathrm{R}} .153$ | R. 394 | R . 754 | R 7.612 |
| November ............ | R 1.045 | R 2.328 | 2.851 | ${ }^{\mathrm{R}} 6.222$ | . 630 | R. 180 | . 018 | ${ }^{\text {R }} .030$ | ${ }_{\text {R } .183}$ | R. 391 | ${ }^{\mathrm{R}} .802$ | R 7.672 |
| December ............ | R1.070 | R2.679 | 3.016 | R 6.764 | . 728 | R. 216 | R. 018 | R. 027 | R. 187 | ${ }^{\text {R }} .406$ | R. 855 | R 8.365 |
| Total .................. | ${ }^{\mathrm{R}} 15.549$ | ${ }^{R} 28.196$ | 35.603 | ${ }^{\mathrm{R}} 79.330$ | R 8.337 | ${ }^{R} 2.321$ | R. 213 | R. 427 | R 1.777 | ${ }^{\mathrm{R}} 4.711$ | ${ }^{\mathrm{R}} 9.450$ | ${ }^{\text {R } 97.344}$ |
| 2016 January ............... | R 1.309 | R 3.211 | 2.935 | ${ }^{\mathrm{R}} 7.454$ | . 759 | R . 236 | . 019 | ${ }^{\mathrm{R}} .027$ | R. 173 | R. 388 | R . 843 | R 9.077 |
| February ............. | 1.083 | R 2.754 | 2.841 | ${ }^{\text {R }} 6.678$ | R. 686 | R. 225 | . 018 | ${ }^{\text {R }} .0237$ | R. 188 | ${ }^{\mathrm{R} .} .375$ | R. 844 | R 8.225 |
| March ................... | R. 869 | R2.446 | 3.038 | ${ }^{\mathrm{R}} 6.352$ | . 692 | R. 252 | . 019 | ${ }^{R} .035$ | R. 203 | R. 395 | R. 914 | R 7.976 |
| April ................... | ${ }^{\mathrm{R}} .845$ | R 2.167 | 2.902 | ${ }^{\mathrm{R}} 5.912$ | . 652 | R. 237 | . 018 | ${ }^{\text {R }} .049$ | R. 192 | ${ }^{\mathrm{R} .} .372$ | R. 868 | R 7.447 |
| May ................... | R. 962 | 2.044 | 2.979 | R 5.984 | . 696 | R. 236 | . 020 | R. 057 | R. 175 | R. 394 | R. 883 | R 7.582 |
| June ................... | 1.320 | R2.081 | 2.985 | ${ }^{\text {R }} 6.386$ | . 703 | R. 213 | . 018 | R. 058 | R. 152 | R. 396 | ${ }^{R} .838$ | R 7.949 |
| July ......................... | R 1.534 | R2.271 | 3.059 | R 6.863 | . 736 | R. 198 | . 019 | R. 063 | R. 164 | R. 413 | R. 858 | R 8.482 |
| August ................. | R 1.530 | R 2.295 | 3.139 | R 6.960 | . 748 | R. 180 | . 019 | R. 061 | R. 126 | R. 417 | R. 804 | R 8.536 |
| September .......... | 1.302 | 2.024 | 2.984 | 6.308 | . 684 | . 152 | . 019 | . 056 | . 153 | . 391 | . 772 | 7.784 |
| 9-Month Total ..... | 10.753 | 21.293 | 26.861 | 58.898 | 6.356 | 1.930 | . 170 | . 455 | 1.526 | 3.542 | 7.623 | 73.058 |
| 2015 9-Month Total ..... | 12.296 | 21.133 | 26.718 | 60.134 | 6.345 | 1.770 | . 159 | . 336 | 1.254 | 3.519 | 7.038 | 73.694 |
| 2014 9-Month Total ..... | 13.878 | 20.227 | 25.923 | 60.013 | 6.236 | 1.914 | . 160 | . 260 | 1.270 | 3.585 | 7.188 | 73.574 |

a Most data are estimates. See Tables 10.1-10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and Consumption," at end of Section 10.
b Natural gas only; excludes supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.
c Petroleum products supplied, including natural gas plant liquids and crude oil burned as fuel. Does not include biofuels that have been blended with petroleum-biofuels are included in "Biomass."
d Includes coal coke net imports. See Tables 1.4a and 1.4b.
e Conventional hydroelectric power.
f Includes coal coke net imports and electricity net imports, which are not
separately displayed. See Tables 1.4 a and 1.4 b .
$\mathrm{R}=$ Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.
Notes: - See "Primary Energy Consumption" in Glossary. - See Table D1 for estimated energy consumption for 1635-1945. - Totals may not equal sum of components due to independent rounding.

- Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
Sources: See end of section

Figure 1.4a Primary Energy Imports and Exports
(Quadrillion Btu)
Imports by Source, 1949-2015


Exports by Source, 1949-2015

Exports by Major Source, Monthly
1.0-

$0.4-$


Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary. Sources: Tables 1.4a and 1.4b.
${ }^{\text {a }}$ Coal, coal coke, biofuels, and electricity.
${ }^{\mathrm{b}}$ Includes coal coke.

Figure 1.4b Primary Energy Net Imports
(Quadrillion Btu)
Total, 1949-2015


By Major Source, 1949-2015


Total, Monthly
2.0-
1.5-

0.5-
0.0 TTTTTTTTTTTTTTTTTTTTTTTTTTTT

JFMAM J JA SOND JFMAM J JA SOND JFMAM J JA SOND 2014 2015 2016

By Major Source, Monthly
2.0-


 J FMAM J JA SOND J FMAM J JA SOND J FMAM J JA SOND 2014

2015
blending components. Does not include biofuels.
Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary. Sources: Tables 1.4a and 1.4b.
${ }^{a}$ Crude oil and lease condensate. Includes imports into the Strategic
Petroleum Reserve, which began in 1977.
${ }^{\text {b }}$ Petroleum products, unfinished oils, pentanes plus, and gasoline

Table 1.4a Primary Energy Imports by Source
(Quadrillion Btu)

|  | Imports |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Petroleum |  |  |  |  |  |
|  | Coal | Coal Coke | Natural Gas | Crude $\mathrm{Oil}^{\mathrm{a}}$ | Petroleum <br> Products ${ }^{\text {b }}$ | Total | Biofuels ${ }^{\text {c }}$ | Electricity | Total |
| 1950 Total .................... | 0.009 | 0.011 | 0.000 | 1.056 | 0.830 | 1.886 | NA | 0.007 | 1.913 |
| 1955 Total .................... | . 008 | . 003 | . 011 | 1.691 | 1.061 | 2.752 | NA | . 016 | 2.790 |
| 1960 Total .................... | . 007 | . 003 | . 161 | 2.196 | 1.802 | 3.999 | NA | . 018 | 4.188 |
| 1965 Total | . 005 | . 002 | . 471 | 2.654 | 2.748 | 5.402 | NA | . 012 | 5.892 |
| 1970 Total .................... | . 001 | . 004 | . 846 | 2.814 | 4.656 | 7.470 | NA | . 021 | 8.342 |
| 1975 Total .................... | . 024 | . 045 | . 978 | 8.721 | 4.227 | 12.948 | NA | . 038 | 14.032 |
| 1980 Total .................... | . 030 | . 016 | 1.006 | 11.195 | 3.463 | 14.658 | NA | . 085 | 15.796 |
| 1985 Total .................... | . 049 | . 014 | . 952 | 6.814 | 3.796 | 10.609 | NA | . 157 | 11.781 |
| 1990 Total | . 067 | . 019 | 1.551 | 12.766 | 4.351 | 17.117 | NA | . 063 | 18.817 |
| 1995 Total | . 237 | . 095 | 2.901 | 15.669 | 3.131 | 18.800 | . 001 | . 146 | 22.180 |
| 2000 Total | . 313 | . 094 | 3.869 | 19.783 | 4.641 | 24.424 | (s) | . 166 | 28.865 |
| 2001 Total .................... | . 495 | . 063 | 4.068 | 20.348 | 4.946 | 25.294 | . 002 | . 131 | 30.052 |
| 2002 Total .................... | . 422 | . 080 | 4.104 | 19.920 | 4.677 | 24.597 | . 002 | . 125 | 29.331 |
| 2003 Total .................... | . 626 | . 068 | 4.042 | 21.060 | 5.105 | 26.165 | . 002 | . 104 | 31.007 |
| 2004 Total .................... | . 682 | . 170 | 4.365 | 22.082 | 6.063 | 28.145 | . 013 | . 117 | 33.492 |
| 2005 Total .................... | . 762 | . 088 | 4.450 | 22.091 | 7.108 | 29.198 | . 012 | . 150 | 34.659 |
| 2006 Total .................... | . 906 | . 101 | 4.291 | 22.085 | 7.054 | 29.139 | . 066 | . 146 | 34.649 |
| 2007 Total .................... | . 909 | . 061 | 4.723 | 21.914 | 6.842 | 28.756 | . 055 | . 175 | 34.679 |
| 2008 Total .................... | . 855 | . 089 | 4.084 | 21.448 | 6.214 | 27.662 | . 085 | . 195 | 32.970 |
| 2009 Total .................... | . 566 | . 009 | 3.845 | 19.699 | 5.367 | 25.066 | . 027 | . 178 | 29.690 |
| 2010 Total .................... | . 484 | . 030 | 3.834 | 20.140 | 5.219 | 25.359 | . 004 | . 154 | 29.866 |
| 2011 Total .................... | . 327 | . 035 | 3.555 | 19.595 | 5.038 | 24.633 | . 019 | . 178 | 28.748 |
| 2012 Total | . 212 | . 028 | 3.216 | 19.239 | 4.122 | 23.361 | . 049 | . 202 | 27.068 |
| 2013 Total .................... | . 199 | . 003 | 2.955 | 16.957 | 4.169 | 21.126 | . 102 | . 236 | 24.623 |
| 2014 January ................ | . 024 | (s) | . 303 | 1.420 | . 291 | 1.710 | . 003 | . 019 | 2.058 |
| February | . 013 | (s) | . 252 | 1.216 | . 300 | 1.517 | . 002 | . 015 | 1.798 |
| March | . 018 | (s) | . 240 | 1.361 | . 336 | 1.697 | . 003 | . 019 | 1.977 |
| April ..................... | . 021 | (s) | . 206 | 1.368 | . 335 | 1.703 | . 004 | . 016 | 1.949 |
| May | . 028 | (s) | . 212 | 1.341 | . 375 | 1.716 | . 005 | . 018 | 1.979 |
| June | . 030 | . 001 | . 207 | 1.280 | . 291 | 1.571 | . 002 | . 019 | 1.829 |
| July ...................... | . 021 | (s) | . 206 | 1.427 | . 313 | 1.740 | . 006 | . 021 | 1.995 |
| August ................. | . 024 | (s) | . 212 | 1.398 | . 312 | 1.710 | . 004 | . 023 | 1.972 |
| September ............ | . 025 | (s) | . 207 | 1.357 | . 276 | 1.633 | . 003 | . 021 | 1.889 |
| October | . 013 | . 001 | . 226 | 1.337 | . 300 | 1.637 | . 004 | . 018 | 1.899 |
| November ............. | . 022 | (s) | . 233 | 1.321 | . 278 | 1.599 | . 005 | . 019 | 1.879 |
| December | . 013 | (s) | . 260 | 1.352 | . 367 | 1.719 | . 005 | . 018 | 2.016 |
| Total .................... | . 252 | . 002 | 2.763 | 16.178 | 3.773 | 19.951 | . 046 | . 227 | 23.241 |
| 2015 January ................ | . 029 | (s) | . 286 | R 1.348 | . 388 | R 1.736 | . 003 | . 021 | R 2.075 |
| February | R . 020 | (s) | . 261 | R 1.206 | . 331 | R 1.536 | . 004 | . 019 | R 1.840 |
| March | . 019 | (s) | . 264 | R 1.427 | . 342 | R 1.769 | . 004 | . 023 | R 2.079 |
| April ..................... | . 020 | (s) | . 210 | R 1.311 | . 354 | R 1.665 | . 004 | . 022 | R 1.922 |
| May | . 021 | (s) | . 209 | R 1.362 | R. 380 | R 1.743 | . 005 | . 023 | R 2.000 |
| June | . 019 | (s) | . 211 | R1.332 | R. 372 | R 1.704 | . 006 | . 023 | R 1.963 |
| July | . 025 | (s) | . 222 | R1.384 | R. 368 | R1.752 | . 009 | R. 024 | R 2.032 |
| August ................. | . 022 | (s) | . 219 | R 1.451 | . 356 | R 1.807 | . 010 | . 024 | R 2.082 |
| September ............ | . 020 | . 002 | . 214 | R1.315 | . 343 | R1.658 | . 009 | . 023 | R 1.925 |
| October | . 019 | (s) | . 232 | R 1.335 | . 288 | R 1.623 | . 009 | . 018 | R 1.901 |
| November ............. | . 020 | (s) | . 224 | R 1.341 | . 286 | R 1.627 | . 008 | . 020 | R 1.899 |
| December .............. | R. 022 | . 001 | . 233 | R 1.486 $R 16.299$ | R. 305 | R 1.790 | . 009 | R. 020 | ${ }^{\text {R } 2.076}$ |
| Total ................... | R . 256 | . 003 | 2.786 | ${ }^{\mathrm{R}} 16.299$ | ${ }^{\text {R }} 4.111$ | ${ }^{R} 20.410$ | . 079 | R . 259 | ${ }^{\text {R } 23.794 ~}$ |
| 2016 January ................ | . 016 | (s) | . 280 | R 1.443 | ¢ 349 | R 1.792 | . 003 | . 024 | R 2.114 |
| February | R . 019 | (s) | . 258 | R 1.391 | R. 333 | R 1.725 | . 003 | . 021 | $\text { R } 2.025$ |
| March | . 027 | (s) | . 247 | R 1.512 | . 330 | R 1.842 | . 005 | . 022 | R 2.142 |
| April .................... | R 017 | (s) | . 247 | R 1.389 | R 355 | R 1.744 | . 007 | . 018 | R 2.033 |
| May ..................... | R .021 | . 001 | . 255 | R 1.494 | R. 374 | R 1.868 | . 008 | . 021 | R 2.172 |
| June ..................... | R . 015 | . 002 | . 248 | R 1.385 | . 395 | R 1.779 | . 013 | . 025 | R 2.081 |
| July ...................... | . 022 | (s) | . 272 | R 1.521 | R. 400 | R 1.921 | . 012 | . 028 | R 2.255 |
| August ................. | . 021 | (s) | . 267 | R 1.511 | R. 374 | R 1.885 | . 014 | . 027 | R 2.214 |
| September | . 017 | . 002 | . 243 | 1.466 | . 341 | 1.807 | . 012 | . 023 | 2.105 |
| 9-Month Total ....... | . 175 | . 004 | 2.317 | 13.113 | 3.250 | 16.363 | . 076 | . 207 | 19.142 |
| 2015 9-Month Total ...... | . 195 | . 002 | 2.097 | 12.137 | 3.232 | 15.369 | . 053 | . 200 | 17.918 |
| 2014 9-Month Total ....... | . 204 | . 001 | 2.043 | 12.168 | 2.829 | 14.996 | . 032 | . 171 | 17.447 |

[^3]components due to independent rounding. - Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Figure 1.5 Merchandise Trade Value (Billion Dollars ${ }^{\text {a }}$ )

Imports and Exports, 1974-2015


Imports and Exports, Monthly
250 -




Trade Balance, Monthly

${ }^{\text {a }}$ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary. http://www.eia.gov/totalenergy/data/monthly/\#summary. Source: Table 1.5.

Table 1.5 Merchandise Trade Value
(Million Dollars ${ }^{\text {a }}$ )

|  | Petroleum ${ }^{\text {b }}$ |  |  | Energy ${ }^{\text {c }}$ |  |  | NonEnergy Balance | Total Merchandise |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Exports | Imports | Balance | Exports | Imports | Balance |  | Exports | Imports | Balance |
| 1974 Total ............... | 792 | 24,668 | -23,876 | 3,444 | 25,454 | -22,010 | 18,126 | 99,437 | 103,321 | -3,884 |
| 1975 Total ............... | 907 | 25,197 | -24,289 | 4,470 | 26,476 | -22,006 | 31,557 | 108,856 | 99,305 | 9,551 |
| 1980 Total ............... | 2,833 | 78,637 | -75,803 | 7,982 | 82,924 | -74,942 | 55,246 | 225,566 | 245,262 | -19,696 |
| 1985 Total ............... | 4,707 | 50,475 | -45,768 | 9,971 | 53,917 | -43,946 | -73,765 | 218,815 | 336,526 | -117,712 |
| 1990 Total ............... | 6,901 | 61,583 | -54,682 | 12,233 | 64,661 | -52,428 | -50,068 | 393,592 | 496,088 | -102,496 |
| 1995 Total ............... | 6,321 | 54,368 | -48,047 | 10,358 | 59,109 | -48,751 | -110,050 | 584,742 | 743,543 | -158,801 |
| 2000 Total | 10,192 | 119,251 | -109,059 | 13,179 | 135,367 | -122,188 | -313,916 | 781,918 | 1,218,022 | -436,104 |
| 2001 Total | 8,868 | 102,747 | -93,879 | 12,494 | 121,923 | -109,429 | -302,470 | 729,100 | 1,140,999 | -411,899 |
| 2002 Total ............... | 8,569 | 102,663 | -94,094 | 11,541 | 115,748 | -104,207 | -364,056 | 693,103 | 1,161,366 | -468,263 |
| 2003 Total ............... | 10,209 | 132,433 | -122,224 | 13,768 | 153,298 | -139,530 | -392,820 | 724,771 | 1,257,121 | -532,350 |
| 2004 Total ............... | 13,130 | 179,266 | -166,136 | 18,642 | 206,660 | -188,018 | -462,912 | 818,775 | 1,469,704 | -650,930 |
| 2005 Total | 19,155 | 250,068 | -230,913 | 26,488 | 289,723 | -263,235 | -504,242 | 905,978 | 1,673,455 | -767,477 |
| 2006 Total ............... | 28,171 | 299,714 | -271,543 | 34,711 | 332,500 | -297,789 | -519,515 | 1,036,635 | 1,853,938 | -817,304 |
| 2007 Total | 33,293 | 327,620 | -294,327 | 41,725 | 364,987 | -323,262 | -485,501 | 1,148,199 | 1,956,962 | -808,763 |
| 2008 Total | 61,695 | 449,847 | -388,152 | 76,075 | 491,885 | -415,810 | -400,389 | 1,287,442 | 2,103,641 | -816,199 |
| 2009 Total ............... | 44,509 | 251,833 | -207,324 | 54,536 | 271,739 | -217,203 | -286,379 | 1,056,043 | 1,559,625 | -503,582 |
| 2010 Total ............... | 64,753 | 333,472 | -268,719 | 80,625 | 354,982 | -274,357 | -361,005 | 1,278,495 | 1,913,857 | -635,362 |
| 2011 Total ............... | b102,180 | b431,866 | b-329,686 | 128,989 | 453,839 | -324,850 | -400,597 | 1,482,508 | 2,207,954 | -725,447 |
| 2012 Total | 111,951 | 408,509 | -296,558 | 136,054 | 423,862 | -287,808 | -442,638 | 1,545,821 | 2,276,267 | -730,446 |
| 2013 Total ............... | 123,218 | 363,141 | -239,923 | 147,539 | 379,758 | -232,219 | -457,712 | 1,578,439 | 2,268,370 | -689,931 |
| 2014 January ........... | 10,972 | 29,460 | -18,488 | 13,209 | 32,260 | -19,051 | -40,437 | 126,584 | 186,072 | -59,488 |
| February .......... | 9,155 | 25,711 | -16,556 | 11,508 | 28,562 | -17,054 | -30,045 | 123,611 | 170,711 | -47,099 |
| March .............. | 10,670 | 28,912 | -18,242 | 13,454 | 31,311 | -17,857 | -34,521 | 142,233 | 194,611 | -52,378 |
| April ................ | 10,412 | 30,519 | -20,107 | 13,041 | 32,017 | -18,976 | -48,342 | 133,924 | 201,242 | -67,318 |
| May ................. | 11,368 | 29,201 | -17,833 | 13,861 | 30,655 | -16,794 | -45,894 | 138,174 | 200,862 | -62,688 |
| June ................ | 11,136 | 27,668 | -16,532 | 13,246 | 29,166 | -15,920 | -44,020 | 138,408 | 198,348 | -59,940 |
| July ................. | 12,078 | 30,446 | -18,368 | 14,265 | 31,890 | -17,625 | -54,248 | 133,264 | 205,137 | -71,873 |
| August ............ | 12,069 | 27,583 | -15,514 | 14,124 | 28,899 | -14,775 | -45,078 | 137,459 | 197,312 | -59,853 |
| September ....... | 10,081 | 26,777 | -16,696 | 12,255 | 28,078 | -15,823 | -54,299 | 133,600 | 203,721 | -70,122 |
| October ............ | 9,885 | 25,876 | -15,991 | 12,034 | 27,122 | -15,088 | -51,021 | 145,527 | 211,636 | -66,109 |
| November ........ | 9,950 | 20,858 | -10,908 | 11,675 | 22,308 | -10,633 | -45,372 | 134,691 | 190,696 | -56,005 |
| December ........ | 9,482 | 23,699 | -14,217 | 11,264 | 25,205 | -13,941 | -48,380 | 133,695 | 196,016 | -62,321 |
| Total ............... | 127,258 | 326,710 | -199,452 | 153,936 | 347,473 | -193,537 | -541,657 | 1,621,172 | 2,356,366 | -735,194 |
| 2015 January ........... | 7,759 | 18,216 | -10,457 | 9,423 | 19,909 | -10,486 | -49,857 | 120,920 | 181,263 | -60,343 |
| February .......... | 6,641 | 13,815 | -7,174 | 8,145 | 15,545 | -7,400 | -37,343 | 118,181 | 162,925 | -44,743 |
| March .............. | 6,605 | 14,826 | -8,221 | 8,349 | 16,228 | -7,879 | -56,659 | 133,660 | 198,198 | -64,538 |
| April | 7,755 | 15,567 | -7,812 | 9,441 | 16,469 | -7,028 | -54,481 | 128,508 | 190,017 | -61,509 |
| May | 8,286 | 15,578 | -7,292 | 9,905 | 16,472 | -6,567 | -51,859 | 128,075 | 186,501 | -58,426 |
| June ................ | 7,794 | 17,434 | -9,640 | 9,215 | 18,309 | -9,094 | -57,334 | 130,904 | 197,331 | -66,428 |
| July ................ | 8,265 | 18,075 | -9,810 | 9,606 | 19,040 | -9,434 | -59,984 | 124,188 | 193,606 | -69,418 |
| August ............ | 6,774 | 15,203 | -8,429 | 8,206 | 16,148 | -7,942 | -59,309 | 122,684 | 189,936 | -67,251 |
| September ....... | 6,510 | 13,811 | -7,301 | 7,857 | 14,754 | -6,897 | -59,756 | 124,827 | 191,480 | -66,653 |
| October ............ | 6,322 | 11,657 | -5,335 | 7,680 | 12,588 | -4,908 | -59,924 | 130,300 | 195,132 | -64,832 |
| November ........ | 6,251 | 11,148 | -4,897 | 7,538 | 11,966 | -4,428 | -57,306 | 120,385 | 182,119 | -61,734 |
| December ........ | 6,279 | 12,115 | -5,836 | 7,590 | 13,008 | -5,418 | -54,368 | 119,939 | 179,725 | -59,786 |
| Total ............... | 85,241 | 177,445 | -92,204 | 102,955 | 190,436 | -87,481 | -658,179 | 1,502,572 | 2,248,232 | -745,660 |
| 2016 January ........... | 5,513 | 10,281 | -4,768 | 6,719 | 11,312 | -4,593 | -53,006 | 108,273 | 165,873 | -57,599 |
| February .......... | 5,137 | 8,379 | -3,242 | 6,293 | 9,290 | -2,997 | -51,344 | 113,841 | 168,182 | -54,341 |
| March .............. | 5,760 | 9,334 | -3,574 | 7,023 | 10,262 | -3,239 | -50,039 | 125,445 | 178,723 | -53,278 |
| April | 5,995 | 10,103 | -4,108 | 7,228 | 10,944 | -3,716 | -51,643 | 118,943 | 174,302 | -55,359 |
| May ................ | 6,867 | 11,346 | -4,479 | 8,334 | 12,000 | -3,666 | -60,255 | 119,663 | 183,583 | -63,921 |
| June ................ | 6,730 | 13,735 | -7,005 | 8,237 | 14,497 | -6,260 | -57,334 | 125,208 | 188,801 | -63,594 |
| July ................. | 6,353 | 13,155 | -6,802 | 7,703 | 14,081 | -6,378 | -59,389 | 116,218 | 181,985 | -65,767 |
| August ............ | 6,548 | 14,129 | -7,581 | 7,961 | 15,153 | -7,192 | - 63,986 | 122,933 | 194,112 | -71,178 |
| September ....... | 6,415 | 12,791 | -6,376 | 7,700 | 13,712 | -6,012 | R -54,802 | R 125,142 | R 185,955 | R -60,814 |
| October ........... | 6,233 | 12,810 | -6,577 | 7,899 | 13,697 | -5,798 | -57,683 | 128,769 | 192,250 | -63,481 |
| 10-Month Total | 61,551 | 116,061 | -54,512 | 75,099 | 124,948 | -49,851 | -559,481 | 1,204,434 | 1,813,765 | -609,332 |
| 2015 10-Month Total | 72,712 | 154,184 | -81,471 | 87,828 | 165,462 | -77,635 | -546,506 | 1,262,248 | 1,886,389 | -624,141 |
| 2014 10-Month Total | 107,826 | 282,153 | -174,327 | 130,997 | 299,960 | -168,963 | -447,905 | 1,352,785 | 1,969,653 | -616,868 |

a Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.
b Through 2010, data are for crude oil, petroleum preparations, liquefied propane and butane, and other mineral fuels. Beginning in 2011, data are for petroleum products and preparations.
c Petroleum, coal, natural gas, and electricity.
R=Revised.
Notes: - Monthly data are not adjusted for seasonal variations. - See Note, "Merchandise Trade Value," at end of section. • Totals may not equal sum of
components due to independent rounding. - The U.S. import statistics reflect both government and nongovernment imports of merchandise from foreign countries into the U.S. customs territory, which comprises the 50 states, the District of Columbia, Puerto Rico, and the Virgin Islands.
Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual and monthly data beginning in 1974.

Sources: See end of section.

Figure 1.6 Cost of Fuels to End Users in Real (1982-1984) Dollars
Costs, 1960-2015


Costs, September 2016


Motor Gasoline, ${ }^{\text {a }}$ Monthly


Residential Electricity, ${ }^{2}$ Monthly


Residential Natural Gas, ${ }^{\text {a }}$ Monthly


Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary. Source: Table 1.6

Table 1.6 Cost of Fuels to End Users in Real (1982-1984) Dollars

|  | Consumer Price Index, All Urban Consumers ${ }^{\text {a }}$ | Motor Gasoline ${ }^{\text {b }}$ |  | Residential Heating Oil ${ }^{\text {C }}$ |  | Residential Natural Gas ${ }^{\text {b }}$ |  | Residential Electricityb |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Index } \\ \text { 1982-1984=100 } \end{gathered}$ | Dollars per Gallon | Dollars per Million Btu | Dollars per Gallon | Dollars per Million Btu | Dollars per Thousand Cubic Feet | Dollars per Million Btu | Cents per Kilowatthour | Dollars per Million Btu |
| 1960 Average | 29.6 | NA | NA | NA | NA | NA | NA | 8.8 | 25.74 |
| 1965 Average ................ | 31.5 | NA | NA | NA | NA | NA | NA | 7.6 | 22.33 |
| 1970 Average ................ | 38.8 | NA | NA | NA | NA | 2.81 | 2.72 | 5.7 | 16.62 |
| 1975 Average ................ | 53.8 | NA | NA | NA | NA | 3.18 | 3.12 | 6.5 | 19.07 |
| 1980 Average ................ | 82.4 | 1.482 | 11.85 | 1.182 | 8.52 | 4.47 | 4.36 | 6.6 | 19.21 |
| 1985 Average | 107.6 | 1.112 | 8.89 | 0.979 | 7.06 | 5.69 | 5.52 | 6.87 | 20.13 |
| 1990 Average ................ | 130.7 | 0.931 | 7.44 | 0.813 | 5.86 | 4.44 | 4.31 | 5.99 | 17.56 |
| 1995 Average ................ | 152.4 | 0.791 | 6.36 | 0.569 | 4.10 | 3.98 | 3.87 | 5.51 | 16.15 |
| 2000 Average ................ | 172.2 | 0.908 | 7.31 | 0.761 | 5.49 | 4.51 | 4.39 | 4.79 | 14.02 |
| 2001 Average ................. | 177.1 | 0.864 | 6.96 | 0.706 | 5.09 | 5.44 | 5.28 | 4.84 | 14.20 |
| 2002 Average ............... | 179.9 | 0.801 | 6.46 | 0.628 | 4.52 | 4.39 | 4.28 | 4.69 | 13.75 |
| 2003 Average ................ | 184.0 | 0.890 | 7.19 | 0.736 | 5.31 | 5.23 | 5.09 | 4.74 | 13.89 |
| 2004 Average ................ | 188.9 | 1.018 | 8.22 | 0.819 | 5.91 | 5.69 | 5.55 | 4.74 | 13.89 |
| 2005 Average ................ | 195.3 | 1.197 | 9.67 | 1.051 | 7.58 | 6.50 | 6.33 | 4.84 | 14.18 |
| 2006 Average | 201.6 | 1.307 | 10.58 | 1.173 | 8.46 | 6.81 | 6.63 | 5.16 | 15.12 |
| 2007 Average ............... | 207.342 | 1.374 | 11.20 | 1.250 | 9.01 | 6.31 | 6.14 | 5.14 | 15.05 |
| 2008 Average ................ | 215.303 | 1.541 | 12.62 | 1.495 | 10.78 | 6.45 | 6.28 | 5.23 | 15.33 |
| 2009 Average ................ | 214.537 | 1.119 | 9.21 | 1.112 | 8.02 | 5.66 | 5.52 | 5.37 | 15.72 |
| 2010 Average ................ | 218.056 | 1.301 | 10.76 | 1.283 | 9.25 | 5.22 | 5.11 | 5.29 | 15.51 |
| 2011 Average ................ | 224.939 | 1.590 | 13.18 | NA | NA | 4.90 | 4.80 | 5.21 | 15.27 |
| 2012 Average ................ | 229.594 | 1.609 | 13.35 | NA | NA | 4.64 | 4.53 | 5.17 | 15.17 |
| 2013 Average ................ | 232.957 | 1.538 | 12.76 | NA | NA | 4.43 | 4.31 | 5.21 | 15.26 |
| 2014 January .................. | 233.916 | 1.444 | 11.99 | NA | NA | 3.96 | 3.83 | 4.98 | 14.60 |
| February ................. | 234.781 | 1.458 | 12.10 | NA | NA | 4.16 | 4.03 | 5.09 | 14.91 |
| March | 236.293 | 1.519 | 12.61 | NA | NA | 4.53 | 4.38 | 5.18 | 15.19 |
| April | 237.072 | 1.568 | 13.01 | NA | NA | 4.96 | 4.80 | 5.19 | 15.22 |
| May ....................... | 237.900 | 1.574 | 13.07 | NA | NA | 5.72 | 5.53 | 5.40 | 15.83 |
| June ....................... | 238.343 | 1.573 | 13.06 | NA | NA | 6.77 | 6.55 | 5.45 | 15.97 |
| July ........................ | 238.250 | 1.549 | 12.86 | NA | NA | 7.23 | 7.00 | 5.49 | 16.10 |
| August ................... | 237.852 | 1.488 | 12.35 | NA | NA | 7.32 | 7.09 | 5.48 | 16.07 |
| September .............. | 238.031 | 1.455 | 12.08 | NA | NA | 6.84 | 6.62 | 5.44 | 15.95 |
| October .................. | 237.433 | 1.365 | 11.33 | NA | NA | 5.52 | 5.35 | 5.31 | 15.55 |
| November .............. | 236.151 | 1.247 | 10.35 | NA | NA | 4.32 | 4.18 | 5.28 | 15.49 |
| December ............... | 234.812 | 1.115 | 9.25 | NA | NA | 4.26 | 4.13 | 5.18 | 15.19 |
| Average ................ | 236.736 | 1.447 | 12.01 | NA | NA | 4.63 | 4.49 | 5.29 | 15.50 |
| 2015 January | 233.707 | 0.929 | 7.71 | NA | NA | 4.07 | 3.92 | 5.18 | 15.17 |
| February | 234.722 | 0.983 | 8.16 | NA | NA | 3.87 | 3.73 | 5.24 | 15.35 |
| March . | 236.119 | 1.077 | 8.94 | NA | NA | 3.93 | 3.79 | ${ }^{\mathrm{R}} 5.22$ | ${ }^{\text {R } 15.30}$ |
| April ...................... | 236.599 | 1.076 | 8.93 | NA | NA | 4.41 | 4.26 | ${ }^{R} 5.33$ | R 15.63 |
| May ....................... | 237.805 | 1.191 | 9.88 | NA | NA | 5.35 | 5.16 | ${ }^{\mathrm{R}} 5.44$ | R 15.94 |
| June ....................... | 238.638 | 1.211 | 10.05 | NA | NA | 6.32 | 6.09 | R 5.41 | R 15.87 |
| July ....................... | 238.654 | 1.212 | 10.06 | NA | NA | 6.82 | 6.58 | R 5.42 | R 15.89 |
| August ................... | 238.316 | 1.152 | 9.56 | NA | NA | 7.09 | 6.83 | R 5.42 | R 15.88 |
| September .............. | 237.945 | 1.035 | 8.59 | NA | NA | 6.89 | 6.65 | R 5.48 | R 16.05 |
| October ................... | 237.838 | 0.991 | 8.23 | NA | NA | 5.30 | 5.11 | 5.35 | R 15.67 |
| November ............... | 237.336 | 0.948 | 7.87 | NA | NA | 4.22 | 4.07 | 5.36 | R 15.70 |
| December ............... | 236.525 | 0.898 | 7.46 | NA | NA | 3.92 | 3.78 | R 5.21 | R 15.27 |
| Average .................. | 237.017 | 1.059 | 8.79 | NA | NA | 4.38 | 4.22 | ${ }^{\mathrm{R}} 5.34$ | R 15.64 |
| 2016 January .................. | 236.916 | 0.859 | 7.13 | NA | NA | 3.50 | 3.38 | R 5.06 | R 14.82 |
| February ................ | 237.111 | 0.773 | 6.42 | NA | NA | 3.53 | 3.41 | 5.12 | 15.01 |
| March ..................... | 238.132 | 0.849 | 7.04 | NA | NA | 3.87 | 3.73 | 5.28 | 15.47 |
| April ...................... | 239.261 | 0.918 | 7.62 | NA | NA | 4.03 | 3.89 | 5.20 | 15.23 |
| May ....................... | 240.229 | 0.967 | 8.03 | NA | NA | 4.84 | 4.67 | R 5.32 | R 15.60 |
| June ....................... | 241.018 | 1.005 | 8.34 | NA | NA | 6.01 | 5.79 | 5.28 | R 15.47 |
| July ........................ | 240.628 | 0.950 | 7.89 | NA | NA | 6.89 | 6.65 | 5.27 | 15.44 |
| August ................... | 240.849 | 0.921 | 7.64 | NA | NA | 7.32 | 7.05 | 5.36 | 15.70 |
| September .............. | 241.428 | 0.940 | 7.80 | NA | NA | ${ }^{\mathrm{R}} 6.95$ | R 6.71 | R 5.33 | R 15.62 |
| October .................. | 241.729 | 0.953 | 7.91 | NA | NA | NA | NA | NA | NA |
| November ............... | 241.353 | 0.931 | 7.72 | NA | NA | NA | NA | NA | NA |

${ }^{\text {a }}$ Data are U.S. city averages for all items, and are not seasonally adjusted.
b Includes taxes.
R=Revised. NA=Not available.
Notes: • See "Real Dollars" in Glossary. - Fuel costs are calculated by using the Urban Consumer Price Index (CPI) developed by the Bureau of Labor Statistics. - Annual averages may not equal average of months due to independent rounding. - Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1960 and monthly data beginning in 1995.
Sources: - Fuel Prices: Tables 9.4 (All Grades), 9.8, and 9.10, adjusted by the CPI; and Monthy Energy Review, September 2012, Table 9.8c. •Consumer Price Index, All Urban Consumers: U.S. Department of Labor, Bureau of Labor Statistics, series ID CUUR0000SAO. - Conversion Factors: Tables A1, A3, A4, and A6.

Figure 1.7 Primary Energy Consumption and Energy Expenditures Indicators
Energy Consumption per Capita, 1949-2015


Primary Energy Consumption per Real Dollar ${ }^{\text {a }}$ of Gross Domestic Product, 1949-2015


Energy Expenditures as Share of Gross Domestic Product and Gross Output,, ${ }^{\text {b }}$ 1987-2013

a See "Chained Dollars" and "Real Dollars" in Glossary
${ }^{\mathrm{b}}$ Gross output is the value of gross domestic product (GDP) plus the value of intermediate inputs used to produce GDP.

Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary. Source: Table 1.7.

Table 1.7 Primary Energy Consumption, Energy Expenditures, and Carbon Dioxide Emissions Indicators

|  | Primary Energy Consumption ${ }^{\text {a }}$ |  |  | Energy Expenditures ${ }^{\text {b }}$ |  |  |  | Carbon Dioxide Emissions ${ }^{\text {c }}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Consumption | Consumption per Capita | Consumption per Real Dollar ${ }^{\text {d }}$ of GDP ${ }^{\text {e }}$ | Expenditures | Expenditures per Capita | Expenditures as Share of GDP ${ }^{e}$ | Expenditures as Share of Gross Output ${ }^{\dagger}$ | Emissions | Emissions per Capita | Emissions per <br> Real Dollar ${ }^{\text {d }}$ of GDP ${ }^{\text {e }}$ |
|  | Quadrillion Btu | Million Btu | Thousand Btu per Chained (2009) Dollar ${ }^{\text {d }}$ | Million Nominal Dollars ${ }^{9}$ | Nominal Dollars ${ }^{9}$ | Percent | Percent | Million Metric Tons Carbon Dioxide | Metric Tons Carbon Dioxide | Metric Tons Carbon Dioxide per Million Chained (2009) Dollars ${ }^{\text {d }}$ |
| 1950 ............. | 34.616 | 227 | 15.85 | NA | NA | NA | NA | 2,382 | 15.6 | 1,091 |
| 1955 ............ | 40.208 | 242 | 14.68 | NA | NA | NA | NA | 2,685 | 16.2 | 980 |
| 1960 ............. | 45.086 | 250 | 14.50 | NA | NA | NA | NA | 2,914 | 16.1 | 937 |
| 1965 ............. | 54.015 | 278 | 13.58 | NA | NA | NA | NA | 3,462 | 17.8 | 871 |
| 1970 ............. | 67.838 | 331 | 14.37 | 82,875 | 404 | 7.7 | NA | 4,261 | 20.8 | 902 |
| 1975 ............. | 71.965 | 333 | 13.36 | 171,851 | 796 | 10.2 | NA | 4,439 | 20.6 | 824 |
| 1980 ............. | 78.067 | 344 | 12.10 | 374,347 | 1,647 | 13.1 | NA | 4,771 | 21.0 | 740 |
| 1981 ............. | 76.106 | 332 | 11.50 | 427,898 | 1,865 | 13.3 | NA | 4,646 | 20.2 | 702 |
| 1982 ............. | 73.099 | 316 | 11.26 | 426,479 | 1,841 | 12.7 | NA | 4,405 | 19.0 | 679 |
| 1983 ............. | 72.971 | 312 | 10.74 | 417,617 | 1,786 | 11.5 | NA | 4,377 | 18.7 | 644 |
| 1984 ............. | 76.632 | 325 | 10.52 | 435,371 | 1,846 | 10.8 | NA | 4,614 | 19.6 | 633 |
| 1985 ............. | 76.392 | 321 | 10.06 | 438,531 | 1,843 | 10.1 | NA | 4,600 | 19.3 | 606 |
| 1986 ............. | 76.647 | 319 | 9.75 | 384,284 | 1,600 | 8.4 | NA | 4,608 | 19.2 | 586 |
| 1987 ............. | 79.054 | 326 | 9.72 | 397,819 | 1,642 | 8.2 | 4.6 | 4,766 | 19.7 | 586 |
| 1988 ............. | 82.709 | 338 | 9.76 | 411,739 | 1,684 | 7.8 | 4.4 | 4,984 | 20.4 | 588 |
| 1989 ............. | 84.785 | 344 | 9.65 | 439,235 | 1,780 | 7.8 | 4.4 | 5,070 | 20.5 | 577 |
| 1990 ............. | 84.484 | 338 | 9.43 | 474,831 | 1,902 | 7.9 | 4.5 | 5,039 | 20.2 | 563 |
| 1991 ............. | 84.437 | 334 | 9.44 | 472,543 | 1,868 | 7.7 | 4.4 | 4,993 | 19.7 | 558 |
| $1992 \text {............... }$ | 85.782 | 334 | 9.26 | 477,024 | 1,860 | 7.3 | 4.2 | 5,087 | 19.8 | 549 |
| $1993 \text {................. }$ | 87.365 | 336 | 9.18 | 492,383 | 1,894 | 7.2 | 4.2 | 5,185 | 19.9 | 545 |
| 1994 ............. | 89.087 | 339 | 8.99 | 504,988 | 1,919 | 6.9 | 4.0 | 5,261 | 20.0 | 531 |
| $1995 \text {............... }$ | 91.031 | 342 | 8.95 | 514,755 | 1,933 | 6.7 | 3.8 | 5,323 | 20.0 | 523 |
| $1996 \text {................ }$ | 94.021 | 349 | 8.90 | 560,409 | 2,080 | 6.9 | 3.9 | 5,510 | 20.5 | 522 |
| $1997$ | 94.600 | 347 | 8.57 | 568,075 | 2,084 | 6.6 | 3.7 | 5,584 | 20.5 | 506 |
| 1998 ............. | 95.018 | 344 | 8.24 | 526,394 | 1,908 | 5.8 | 3.3 | 5,635 | 20.4 | 489 |
| 1999 ............. | 96.648 | 346 | 8.01 | 558,739 | 2,002 | 5.8 | 3.2 | 5,688 | 20.4 | 471 |
| 2000 ............. | 98.817 | 350 | 7.87 | 687,824 | 2,438 | 6.7 | 3.7 | 5,868 | 20.8 | 467 |
| 2001 ............. | 96.170 | 337 | 7.58 | 696,347 | 2,444 | 6.6 | 3.7 | 5,761 | 20.2 | 454 |
| 2002 ............. | 97.643 | 339 | 7.56 | 664,072 | 2,309 | 6.0 | 3.5 | 5,804 | 20.2 | 450 |
| 2003 .............. | 97.917 | 338 | 7.38 | 755,205 | 2,603 | 6.6 | 3.8 | 5,853 | 20.2 | 441 |
| 2004 ............. | 100.090 | 342 | 7.27 | 871,337 | 2,976 | 7.1 | 4.0 | 5,970 | 20.4 | 433 |
| 2005 .............. | 100.188 | 339 | 7.04 | 1,045,910 | 3,539 | 8.0 | 4.4 | 5,993 | 20.3 | 421 |
| 2006 ............. | 99.484 | 333 | 6.81 | 1,159,022 | 3,884 | 8.4 | 4.7 | 5,910 | 19.8 | 404 |
| 2007 .............. | 101.015 | 335 | 6.79 | 1,234,037 | 4,097 | 8.5 | 4.7 | 6,000 | 19.9 | 403 |
| 2008 ............. | 98.891 | 325 | 6.67 | 1,409,247 | 4,634 | 9.6 | 5.3 | 5,809 | 19.1 | 392 |
| 2009 ............. | 94.118 | 307 | 6.53 | 1,063,889 | 3,468 | 7.4 | 4.3 | 5,386 | 17.6 | 374 |
| 2010 ............. | 97.444 | 315 | 6.59 | 1,208,443 | 3,906 | 8.1 | 4.6 | 5,582 | 18.0 | 378 |
| 2011 ............. | 96.842 | 311 | 6.45 | 1,388,618 | 4,455 | 8.9 | 5.0 | 5,445 | 17.5 | 362 |
| 2012 ............. | 94.416 | 301 | 6.15 | 1,351,513 | 4,303 | 8.4 | 4.7 | 5,232 | 16.7 | 341 |
| 2013 ............. | R 97.157 | 307 | 6.23 | 1,375,306 | 4,346 | 8.3 | 4.7 | 5,360 | 16.9 | 344 |
| 2014 ............. | 98.317 | 308 | 6.16 | NA | NA | NA | NA | 5,406 | 17.0 | 339 |
| 2015 ............. | R 97.344 | ${ }^{\text {R }} 303$ | ${ }^{\text {R }} 5.95$ | NA | NA | NA | NA | ${ }^{\text {R }} 5,259$ | 16.4 | 322 |

[^4]- Consumption per Real Dollar of GDP: Calculated as energy consumption divided by U.S. gross domestic product in chained (2009) dollars (see Table C1). - Expenditures: U.S. Energy Information Administration, "State Energy Price and Expenditure Estimates, 1970 Through 2013" (July 2015), U.S. Table ET1. - Expenditures per Capita: Calculated as energy expenditures divided by U.S. population (see Table C1). - Expenditures as Share of GDP: Calculated as energy expenditures divided by U.S. gross domestic product in nominal dollars (see Table C1). - Expenditures as Share of Gross Output: Calculated as energy expenditures divided by U.S. gross output (see Table C1). - Emissions: 1949-1972-U.S. Energy Information Administration, Annual Energy Review 2011, Table 11.1. 1973 forward-Table 12.1. - Emissions per Capita: Calculated as carbon dioxide emissions divided by U.S. population (see Table C1). • Emissions per Real Dollar of GDP: Calculated as carbon dioxide emissions divided by U.S. gross domestic product in chained (2009) dollars (see Table C1).


Fuel Consumption


Fuel Economy

${ }^{\text {a }}$ Through 1989, data are for passenger cars and motorcycles. For 1990-2006, data are for passenger cars only. Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase less than or equal to 121 inches.
${ }^{\text {b }}$ For 1966-2000, data are for vans, pickup trucks, and sport utility vehicles. Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase greater than 121 inches.
${ }^{c}$ For 1949-1965, data are for single-unit trucks with 2 axles and 6 or more tires, combination trucks, and other vehicles with 2 axles and 4
tires that are not passenger cars. For 1966-2006 data are for single-unit trucks with 2 axles and 6 or more tires, and combination trucks. Beginning in 2007, data are for single-unit trucks with 2 axles and 6 or more tires (or a gross vehicle weight rating exceeding 10,000 pounds), and combination trucks

Note: Through 1965, "Light-Duty Vehicles, Long Wheelbase" data are included in "Heavy-Duty Trucks."
Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary. Source: Table 1.8

Table 1.8 Motor Vehicle Mileage, Fuel Consumption, and Fuel Economy

|  | Light-Duty Vehicles, Short Wheelbase ${ }^{\text {a }}$ |  |  | Light-Duty Vehicles, Long Wheelbase ${ }^{\text {b }}$ |  |  | Heavy-Duty Trucks ${ }^{\text {c }}$ |  |  | All Motor Vehicles ${ }^{\text {d }}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mileage | Fuel Consumption | Fuel Economy | Mileage | Fuel Consumption | Fuel Economy | Mileage | Fuel Consumption | Fuel Economy | Mileage | Fuel Consumption | Fuel Economy |
|  | Miles per Vehicle | Gallons per Vehicle | Miles per Gallon | Miles per Vehicle | Gallons per Vehicle | Miles per Gallon | Miles per Vehicle | Gallons per Vehicle | Miles per Gallon | Miles per Vehicle | Gallons per Vehicle | Miles per Gallon |
| 1950 | 9,060 | 603 | 15.0 | ( ${ }^{\text {e }}$ ) | ( ${ }^{\text {e }}$ ) | ( ${ }^{\text {e }}$ ) | 10,316 | 1,229 | 8.4 | 9,321 | 725 | 12.8 |
| 1955 .......... | 9,447 | 645 | 14.6 | (e) | (e) | (e) | 10,576 | 1,293 | 8.2 | 9,661 | 761 | 12.7 |
| 1960 .......... | 9,518 | 668 | 14.3 | (e) | (e) | (e) | 10,693 | 1,333 | 8.0 | 9,732 | 784 | 12.4 |
| 1965 ......... | 9,603 | 661 | 14.5 | (e) | (e) | (e) | 10,851 | 1,387 | 7.8 | 9,826 | 787 | 12.5 |
| 1970 ......... | 9,989 | 737 | 13.5 | 8,676 | 866 | 10.0 | 13,565 | 2,467 | 5.5 | 9,976 | 830 | 12.0 |
| 1975 ......... | 9,309 | 665 | 14.0 | 9,829 | 934 | 10.5 | 15,167 | 2,722 | 5.6 | 9,627 | 790 | 12.2 |
| 1980 ......... | 8,813 | 551 | 16.0 | 10,437 | 854 | 12.2 | 18,736 | 3,447 | 5.4 | 9,458 | 712 | 13.3 |
| 1981 ......... | 8,873 | 538 | 16.5 | 10,244 | 819 | 12.5 | 19,016 | 3,565 | 5.3 | 9,477 | 697 | 13.6 |
| 1982 ......... | 9,050 | 535 | 16.9 | 10,276 | 762 | 13.5 | 19,931 | 3,647 | 5.5 | 9,644 | 686 | 14.1 |
| 1983 ......... | 9,118 | 534 | 17.1 | 10,497 | 767 | 13.7 | 21,083 | 3,769 | 5.6 | 9,760 | 686 | 14.2 |
| 1984 ......... | 9,248 | 530 | 17.4 | 11,151 | 797 | 14.0 | 22,550 | 3,967 | 5.7 | 10,017 | 691 | 14.5 |
| 1985 ......... | 9,419 | 538 | 17.5 | 10,506 | 735 | 14.3 | 20,597 | 3,570 | 5.8 | 10,020 | 685 | 14.6 |
| 1986 ......... | 9,464 | 543 | 17.4 | 10,764 | 738 | 14.6 | 22,143 | 3,821 | 5.8 | 10,143 | 692 | 14.7 |
| 1987 ......... | 9,720 | 539 | 18.0 | 11,114 | 744 | 14.9 | 23,349 | 3,937 | 5.9 | 10,453 | 694 | 15.1 |
| 1988 ......... | 9,972 | 531 | 18.8 | 11,465 | 745 | 15.4 | 22,485 | 3,736 | 6.0 | 10,721 | 688 | 15.6 |
| 1989 ......... | 10,157 | 533 | 19.0 | 11,676 | 724 | 16.1 | 22,926 | 3,776 | 6.1 | 10,932 | 688 | 15.9 |
| 1990 .......... | 10,504 | 520 | 20.2 | 11,902 | 738 | 16.1 | 23,603 | 3,953 | 6.0 | 11,107 | 677 | 16.4 |
| 1991 ......... | 10,571 | 501 | 21.1 | 12,245 | 721 | 17.0 | 24,229 | 4,047 | 6.0 | 11,294 | 669 | 16.9 |
| 1992 .......... | 10,857 | 517 | 21.0 | 12,381 | 717 | 17.3 | 25,373 | 4,210 | 6.0 | 11,558 | 683 | 16.9 |
| 1993 .......... | 10,804 | 527 | 20.5 | 12,430 | 714 | 17.4 | 26,262 | 4,309 | 6.1 | 11,595 | 693 | 16.7 |
| 1994 ......... | 10,992 | 531 | 20.7 | 12,156 | 701 | 17.3 | 25,838 | 4,202 | 6.1 | 11,683 | 698 | 16.7 |
| 1995 ......... | 11,203 | 530 | 21.1 | 12,018 | 694 | 17.3 | 26,514 | 4,315 | 6.1 | 11,793 | 700 | 16.8 |
| 1996 .......... | 11,330 | 534 | 21.2 | 11,811 | 685 | 17.2 | 26,092 | 4,221 | 6.2 | 11,813 | 700 | 16.9 |
| 1997 .......... | 11,581 | 539 | 21.5 | 12,115 | 703 | 17.2 | 27,032 | 4,218 | 6.4 | 12,107 | 711 | 17.0 |
| 1998 ......... | 11,754 | 544 | 21.6 | 12,173 | 707 | 17.2 | 25,397 | 4,135 | 6.1 | 12,211 | 721 | 16.9 |
| 1999 ......... | 11,848 | 553 | 21.4 | 11,957 | 701 | 17.0 | 26,014 | 4,352 | 6.0 | 12,206 | 732 | 16.7 |
| 2000 ......... | 11,976 | 547 | 21.9 | 11,672 | 669 | 17.4 | 25,617 | 4,391 | 5.8 | 12,164 | 720 | 16.9 |
| 2001 .......... | 11,831 | 534 | 22.1 | 11,204 | 636 | 17.6 | 26,602 | 4,477 | 5.9 | 11,887 | 695 | 17.1 |
| 2002 .......... | 12,202 | 555 | 22.0 | 11,364 | 650 | 17.5 | 27,071 | 4,642 | 5.8 | 12,171 | 719 | 16.9 |
| 2003 ......... | 12,325 | 556 | 22.2 | 11,287 | 697 | 16.2 | 28,093 | 4,215 | 6.7 | 12,208 | 718 | 17.0 |
| 2004 ......... | 12,460 | 553 | 22.5 | 11,184 | 690 | 16.2 | 27,023 | 4,057 | 6.7 | 12,200 | 714 | 17.1 |
| 2005 | 12,510 | 567 | 22.1 | 10,920 | 617 | 17.7 | 26,235 | 4,385 | 6.0 | 12,082 | 706 | 17.1 |
| 2006 | 12,485 | 554 | 22.5 | 10,920 | 612 | 17.8 | 25,231 | 4,304 | 5.9 | 12,017 | 698 | 17.2 |
| 2007 .......... | a 10,710 | a 468 | a 22.9 | b 14,970 | b 877 | b 17.1 | c 28,290 | c 4,398 | 6.4 | 11,915 | 693 | 17.2 |
| 2008 .......... | 10,290 | 435 | 23.7 | 15,256 | 880 | 17.3 | 28,573 | 4,387 | 6.5 | 11,631 | 667 | 17.4 |
| 2009 .......... | 10,391 | 442 | 23.5 | 15,252 | 882 | 17.3 | 26,274 | 4,037 | 6.5 | 11,631 | 661 | 17.6 |
| 2010 .......... | 10,650 | 456 | 23.3 | 15,474 | 901 | 17.2 | 26,604 | 4,180 | 6.4 | 11,866 | 681 | 17.4 |
| 2011 ......... | 11,150 | 481 | 23.2 | 12,007 | 702 | 17.1 | 26,054 | 4,128 | 6.3 | 11,652 | 665 | 17.5 |
| 2012 ......... | 11,262 | 484 | 23.3 | 11,885 | 694 | 17.1 | 25,255 | 3,973 | 6.4 | 11,707 | 665 | 17.6 |
| 2013 ......... | 11,244 | 480 | 23.4 | 11,712 | 683 | 17.2 | 25,951 | 4,086 | 6.4 | 11,679 | 663 | 17.6 |
| 2014 ${ }^{\text {P }}$...... | 11,048 | 476 | 23.2 | 12,138 | 710 | 17.1 | 25,594 | 4,036 | 6.3 | 11,621 | 666 | 17.5 |

a Through 1989, data are for passenger cars and motorcycles. For 1990-2006, data are for passenger cars only. Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase less than or equal to 121 inches.
b For 1966-2006, data are for vans, pickup trucks, and sport utility vehicles. Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase greater than 121 inches.
c For 1949-1965, data are for single-unit trucks with 2 axles and 6 or more tires, combination trucks, and other vehicles with 2 axles and 4 tires that are not passenger cars. For 1966-2006, data are for single-unit trucks with 2 axles and 6 or more tires, and combination trucks. Beginning in 2007, data are for single-unit trucks with 2 axles and 6 or more tires (or a gross vehicle weight rating exceeding 10,000 pounds), and combination trucks.
${ }^{\text {d }}$ Includes buses and motorcycles, which are not separately displayed.
e Included in "Heavy-Duty Trucks."
$\mathrm{P}=$ Preliminary.
Note: Geographic coverage is the 50 states and the District of Columbia.
Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1949.

Sources: - Light-Duty Vehicles, Short Wheelbase: 1990-1994-U.S. Department of Transportation, Bureau of Transportation Statistics, National Transportation Statistics 1998, Table 4-13. - All Other Data: 1949-1994-Federal Highway Administration (FHWA), Highway Statistics Summary to 1995, Table VM-201A. 1995 forward-FHWA, Highway Statistics, annual reports, Table VM-1.

Table 1.10 Cooling Degree Days by Census Division

|  | New England ${ }^{\mathrm{a}}$ | Middle Atlantic ${ }^{\text {b }}$ | East North Central ${ }^{\text {C }}$ | West North Central ${ }^{\text {d }}$ | South Atlantic ${ }^{\text {e }}$ | East South Central ${ }^{f}$ | West South Central ${ }^{9}$ | Mountain ${ }^{\text {h }}$ | Pacific ${ }^{\text {i }}$ | United States |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1950 Total .................. | 295 | 401 | 505 | 647 | 1,414 | 1,420 | 2,282 | 682 | 629 | 871 |
| 1955 Total .................. | 532 | 761 | 922 | 1,139 | 1,636 | 1,674 | 2,508 | 780 | 558 | 1,144 |
| 1960 Total | 318 | 487 | 626 | 871 | 1,583 | 1,532 | 2,367 | 974 | 796 | 1,000 |
| 1965 Total .................. | 310 | 498 | 618 | 832 | 1,613 | 1,552 | 2,461 | 780 | 577 | 979 |
| 1970 Total .................. | 423 | 615 | 747 | 980 | 1,744 | 1,571 | 2,282 | 971 | 734 | 1,079 |
| 1975 Total ................. | 422 | 584 | 721 | 937 | 1,791 | 1,440 | 2,162 | 903 | 597 | 1,049 |
| 1980 Total .................. | 438 | 680 | 769 | 1,158 | 1,911 | 1,754 | 2,651 | 1,071 | 653 | 1,214 |
| 1985 Total .................. | 324 | 509 | 602 | 780 | 1,878 | 1,522 | 2,519 | 1,095 | 761 | 1,121 |
| 1990 Total | 429 | 562 | 602 | 913 | 2,054 | 1,563 | 2,526 | 1,212 | 838 | 1,200 |
| 1995 Total .................. | 471 | 704 | 877 | 928 | 2,028 | 1,613 | 2,398 | 1,213 | 794 | 1,261 |
| 2000 Total .................. | 279 | 458 | 632 | 983 | 1,925 | 1,674 | 2,775 | 1,480 | 772 | 1,232 |
| 2001 Total ..................... | 464 | 623 | 722 | 994 | 1,897 | 1,478 | 2,543 | 1,508 | 861 | 1,255 |
| 2002 Total .................. | 508 | 772 | 899 | 1,045 | 2,182 | 1,757 | 2,515 | 1,467 | 783 | 1,363 |
| 2003 Total .................. | 475 | 615 | 619 | 907 | 1,980 | 1,452 | 2,496 | 1,553 | 978 | 1,268 |
| 2004 Total | 368 | 591 | 585 | 722 | 2,038 | 1,517 | 2,482 | 1,290 | 828 | 1,217 |
| 2005 Total | 598 | 892 | 944 | 1,063 | 2,098 | 1,676 | 2,647 | 1,372 | 777 | 1,388 |
| 2006 Total | 485 | 693 | 734 | 1,034 | 2,053 | 1,648 | 2,786 | 1,466 | 922 | 1,360 |
| 2007 Total | 447 | 694 | 881 | 1,102 | 2,219 | 1,892 | 2,475 | 1,564 | 828 | 1,392 |
| 2008 Total | 462 | 667 | 683 | 818 | 1,993 | 1,537 | 2,501 | 1,385 | 918 | 1,282 |
| 2009 Total .................. | 350 | 524 | 534 | 698 | 2,029 | 1,479 | 2,590 | 1,393 | 894 | 1,241 |
| 2010 Total .................. | 635 | 908 | 964 | 1,096 | 2,269 | 1,977 | 2,757 | 1,358 | 674 | 1,456 |
| 2011 Total .................. | 554 | 836 | 859 | 1,074 | 2,259 | 1,727 | 3,112 | 1,450 | 736 | 1,470 |
| 2012 Total .................. | 565 | 815 | 974 | 1,221 | 2,162 | 1,762 | 2,915 | 1,573 | 917 | 1,495 |
| 2013 Total .................. | 540 | 683 | 690 | 892 | 2,000 | 1,441 | 2,536 | 1,462 | 892 | 1,306 |
| 2014 January | 0 | 0 | 0 | 0 | 20 | 0 | 5 | 3 | 14 | 7 |
| February ............. | 0 | 0 | 0 | 0 | 45 | 1 | 8 | 7 | 10 | 12 |
| March .................. | 0 | 0 | 0 | 0 | 43 | 5 | 21 | 20 | 15 | 15 |
| April ................... | 0 | 0 | 1 | 4 | 83 | 26 | 96 | 47 | 26 | 37 |
| May .................... | 8 | 26 | 54 | 65 | 210 | 147 | 226 | 119 | 72 | 113 |
| June ................... | 69 | 131 | 176 | 194 | 351 | 329 | 457 | 272 | 127 | 243 |
| July .................... | 201 | 219 | 133 | 200 | 401 | 307 | 502 | 391 | 274 | 301 |
| August ................ | 109 | 150 | 197 | 261 | 382 | 376 | 557 | 272 | 228 | 292 |
| September .......... | 32 | 65 | 46 | 78 | 281 | 236 | 381 | 206 | 190 | 183 |
| October ............... | 0 | 6 | 2 | 12 | 127 | 60 | 195 | 85 | 86 | 74 |
| November ........... | 0 | 0 | 0 | 0 | 31 | 0 | 10 | 9 | 19 | 11 |
| December | 0 | 0 | 0 | 0 | 36 | 4 | 15 | 0 | 7 | 10 |
| Total | 420 | 596 | 610 | 814 | 2,009 | 1,493 | 2,474 | 1,432 | 1,068 | 1,299 |
| 2015 January ............... | 0 | 0 | 0 | 0 | 34 | 3 | 5 | 2 | 11 | 9 |
| February ............. | 0 | 0 | 0 | 0 | 19 | 0 | 6 | 11 | 14 | 7 |
| March .... | 0 | 0 | 0 | 3 | R 85 | 21 | 39 | 32 | 28 | 30 |
| April ................... | 0 | 0 | 1 | 8 | R 131 | - 53 | R 140 | 40 | 23 | 53 |
| May .................... | R 32 | 72 | 82 | 56 | R 243 | R 175 | 260 | R 76 | R 28 | 126 |
| June ................... | 40 | 115 | 139 | 202 | 394 | 353 | 453 | R 315 | R 177 | R 256 |
| July .................... | R 194 | R 251 | R 202 | 289 | R 457 | R 444 | R 585 | 326 | R219 | 336 |
| August ................ | R 207 | R 230 | 169 | 202 | R 411 | R 341 | R 561 | 362 | R 262 | 315 |
| September .......... | 87 | 136 | R 127 | R 168 | 296 | 236 | R 424 | 232 | 194 | 224 |
| October ............... | 0 | 1 | 7 | 13 | 135 | 59 | R 189 | 84 | R 98 | 77 |
| November ........... | 0 | 0 | 0 | 0 | 103 | 16 | 52 | 3 | 12 | 30 |
| December ........... | - 0 | $R 2$ $\mathrm{R}_{2}$ | 2 | - 0 | R 100 | R 24 | R 25 | R1,484 | 10 | - 26 |
| Total .................. | ${ }^{\text {R }} 560$ | ${ }^{R} 806$ | 728 | R 941 | R 2,407 | R 1,724 | ${ }^{R} \mathbf{2 , 7 4 0}$ | R 1,484 | 1,074 | ${ }^{R} \mathbf{1 , 4 9 0}$ |
| 2016 January ............... | 0 | 0 | 0 | 0 | 25 | 2 | R 10 | 0 | 8 | R 8 |
| February ............. | 0 | 0 | 0 | 0 | R 24 | 3 | R 27 | 10 | R 14 | 11 |
| March .................. | 0 | 0 | 3 | R 9 | -90 | 36 | 85 | R 24 | 13 | 35 |
| April ................... | 0 | 0 | 1 | 8 | R 87 | 38 | 123 | ${ }^{R} 43$ | R 26 | 43 |
| May .................... | 7 | 17 | 42 | 48 | R 186 | 125 | 237 | R 92 | R 38 | R 98 |
| June ................... | R 74 | R 128 | 187 | 263 | R 381 | ${ }^{\mathrm{R}} 373$ | 474 | R 333 | R 164 | R 271 |
| July .................... | R 241 | R 310 | 277 | 306 | R 510 | R 475 | 620 | 408 | 235 | 384 |
| August ............... | R 240 | R 312 | R 296 | 268 | 485 | 460 | R 549 | 306 | R 232 | 362 |
| September .......... | 62 | 115 | 131 | 139 | 352 | 321 1 | + 430 | 175 1.392 | 125 | +220 |
| 9-Month Total ..... | 624 | 882 | 937 | 1,041 | 2,141 | 1,834 | 2,556 | 1,392 | 856 | 1,431 |
| 2015 9-Month Total ..... | 560 | 803 | 719 | 928 | 2,069 | 1,625 | 2,474 | 1,396 | 954 | 1,357 |
| 2014 9-Month Total ..... | 419 | 591 | 607 | 802 | 1,814 | 1,429 | 2,254 | 1,338 | 956 | 1,203 |

a Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
b New Jersey, New York, and Pennsylvania.
c Illinois, Indiana, Michigan, Ohio, and Wisconsin.
d lowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota.
e Delaware, Florida, Georgia, Maryland (and the District of Columbia), North Carolina, South Carolina, Virginia, and West Virginia.

Alabama, Kentucky, Mississippi, and Tennessee.
g Arkansas, Louisiana, Oklahoma, and Texas.
Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming.
i Alaska, California, Hawaii, Oregon, and Washington.
$\mathrm{R}=$ Revised.
Notes: - Degree days are relative measurements of outdoor air temperature used as an index for heating and cooling energy requirements. Cooling degree days are the number of degrees that the daily average temperature rises above 65 degrees Fahrenheit ( ${ }^{\circ} \mathrm{F}$ ). Heating degree days are the number of degrees that the
daily average temperature falls below $65^{\circ} \mathrm{F}$. The daily average temperature is the mean of the maximum and minimum temperatures in a 24 -hour period. Fo example, if a weather station recorded an average daily temperature of $78^{\circ} \mathrm{F}$ cooling degree days for that station would be 13 (and 0 heating degree days). A weather station recording an average daily temperature of $40^{\circ} \mathrm{F}$ would report 25 heating degree days for that day (and 0 cooling degree days). - Totals may not equal sum of components due to independent rounding. - Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
Source: State-level degree day data are from U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Centers for Environmental Information. Using these state-level data, the U.S. Energy Information Administration calculates population-weighted census-division and U.S. degree day averages using state populations from the same year the degree days are measured. See methodology a http://www.eia.gov/forecasts/steo/special/pdf/2012_sp_04.pdf.

## Energy Overview

Note. Merchandise Trade Value. Imports data presented are based on the customs values. Those values do not include insurance and freight and are consequently lower than the cost, insurance, and freight (CIF) values, which are also reported by the Bureau of the Census. All exports data, and imports data through 1980, are on a free alongside ship (f.a.s.) basis.
"Balance" is exports minus imports; a positive balance indicates a surplus trade value and a negative balance indicates a deficit trade value. "Energy" includes mineral fuels, lubricants, and related material. "Non-Energy Balance" and "Total Merchandise" include foreign exports (i.e., re-exports) and nonmonetary gold and U.S. Department of Defense Grant-Aid shipments. The "Non-Energy Balance" is calculated by subtracting the "Energy" from the "Total Merchandise Balance."
"Imports" consist of government and nongovernment shipments of merchandise into the 50 states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and the U.S. Foreign Trade Zones. They reflect the total arrival from foreign countries of merchandise that immediately entered consumption channels, warehouses, the Foreign Trade Zones, or the Strategic Petroleum Reserve. They exclude shipments between the United States, Puerto Rico, and U.S. possessions, shipments to U.S. Armed Forces and diplomatic missions abroad for their own use, U.S. goods returned to the United States by its Armed Forces, and in-transit shipments.

## Table 1.2 Sources

## Coal

1949-1988: Coal production data from Table 6.1 are converted to Btu by multiplying by the coal production heat content factors in Table A5.
1989 forward: Coal production data from Table 6.1 are converted to Btu by multiplying by the coal production heat content factors in Table A5. Waste coal supplied data from Table 6.1 are converted to Btu by multiplying by the waste coal supplied heat content factors in Table A5. Coal production (including waste coal supplied) is equal to coal production plus waste coal supplied.

## Natural Gas (Dry)

1949 forward: Natural gas (dry) production data from Table 4.1 are converted to Btu by multiplying by the natural gas (dry) production heat content factors in Table A4.

## Crude Oil

1949 forward: Crude oil (including lease condensate) production data from Table 3.1 are converted to Btu by multiplying by the crude oil (including lease condensate) production heat content factors in Table A2.

NGPL
1949 forward: Natural gas plant liquids (NGPL) production data from Table 3.1 are converted to Btu by multiplying by the NGPL production heat content factors in Table A2.

## Fossil Fuels Total

1949 forward: Total fossil fuels production is the sum of the production values for coal, natural gas (dry), crude oil, and NGPL.

## Nuclear Electric Power

1949 forward: Nuclear electricity net generation data from Table 7.2 a are converted to Btu by multiplying by the nuclear heat rate factors in Table A6.

## Renewable Energy

1949 forward: Table 10.1.

## Total Primary Energy Production

1949 forward: Total primary energy production is the sum of the production values for fossil fuels, nuclear electric power, and renewable energy.

## Table 1.3 Sources

## Coal

1949 forward: Coal consumption data from Table 6.1 are converted to Btu by multiplying by the total coal consumption heat content factors in Table A5.

## Natural Gas

1949-1979: Natural gas (including supplemental gaseous fuels) consumption data from Table 4.1 are converted to Btu by multiplying by the total natural gas consumption heat content factors in Table A4.
1980 forward: Natural gas (including supplemental gaseous fuels) consumption data from Table 4.1 are converted to Btu by multiplying by the total natural gas consumption heat content factors in Table A4. Supplemental gaseous fuels data in Btu are estimated using the method described in Note 3, "Supplemental Gaseous Fuels," at the end of Section 4. Natural gas (excluding supplemental gaseous fuels) consumption is equal to natural gas (including supplemental gaseous fuels) consumption minus supplemental gaseous fuels.

## Petroleum

1949-1992: Petroleum (excluding biofuels) consumption is equal to total petroleum products supplied from Table 3.6. 1993-2008: Petroleum (excluding biofuels) consumption is equal to total petroleum products supplied from Table 3.6 minus fuel ethanol consumption from Table 10.3.
2009 forward: Petroleum (excluding biofuels) consumption is equal to: total petroleum products supplied from Table 3.6; minus fuel ethanol (minus denaturant) consumption from Table 10.3; minus refinery and blender net inputs of renewable fuels (excluding fuel ethanol) from U.S. Energy Information Administration, Petroleum Supply Annual/Petroleum Supply Monthly, Table 1 (for biomass-based diesel fuel, the data are converted to Btu by multiplying by the biodiesel
heat content factor in Table A1; for other renewable diesel fuel, the data are converted to Btu by multiplying by the other renewable diesel fuel heat content factor in Table A1).

## Coal Coke Net Imports

1949 forward: Coal coke net imports are equal to coal coke imports from Table 1.4a minus coal coke exports from Table 1.4b.

## Fossil Fuels Total

1949 forward: Total fossil fuels consumption is the sum of the consumption values for coal, natural gas, and petroleum, plus coal coke net imports.

## Nuclear Electric Power

1949 forward: Nuclear electricity net generation data from Table 7.2a are converted to Btu by multiplying by the nuclear heat rate factors in Table A6.

## Renewable Energy

1949 forward: Table 10.1.

## Electricity Net Imports

1949 forward: Electricity net imports are equal to electricity imports from Table 1.4a minus electricity exports from Table 1.4b.

## Total Primary Energy Consumption

1949 forward: Total primary energy consumption is the sum of the consumption values for fossil fuels, nuclear electric power, and renewable energy, plus electricity net imports.

## Table 1.4a Sources

## Coal

1949 forward: Coal imports data from Table 6.1 are converted to Btu by multiplying by the coal imports heat content factors in Table A5.

## Coal Coke

1949 forward: Coal coke imports data from U.S. Department of Commerce, Bureau of the Census, Monthly Report IM 145, are converted to Btu by multiplying by the coal coke imports heat content factor in Table A5.

## Natural Gas

1949 forward: Natural gas imports data from Table 4.1 are converted to Btu by multiplying by the natural gas imports heat content factors in Table A4.

## Crude Oil

1949 forward: Crude oil imports data from Table 3.3b are converted to Btu by multiplying by the crude oil imports heat content factors in Table A2.

## Petroleum Products

1949-1992: Petroleum products (excluding biofuels) imports are equal to total petroleum imports from Table 3.3b minus
crude oil imports from Table 3.3b; petroleum products (excluding biofuels) imports data are converted to Btu by multiplying by the total petroleum products imports heat content factors in Table A2.
1993-2008: Petroleum products (excluding biofuels) imports are equal to petroleum products (including biofuels) imports (see 1949-1992 sources above) minus fuel ethanol (minus denaturant) imports (see "Biofuels-Fuel Ethanol (Minus Denaturant)" sources below).
2009 forward: Renewable fuels (excluding fuel ethanol) imports data are from U.S. Energy Information Administration, Petroleum Supply Annual (PSA), Tables 1 and 25, and Petroleum Supply Monthly (PSM), Tables 1 and 37 (for biomass-based diesel fuel and other renewable fuels, the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1; for other renewable diesel fuel, the data are converted to Btu by multiplying by the other renewable diesel fuel heat content factor in Table A1). Petroleum products (excluding biofuels) imports are equal to petroleum products (including biofuels) imports (see 1949-1992 sources above) minus fuel ethanol (minus denaturant) imports (see "Biofuels-Fuel Ethanol (Minus Denaturant)" sources below) minus renewable fuels (excluding fuel ethanol) imports.

## Total Petroleum

1949 forward: Total petroleum imports are equal to crude oil imports plus petroleum products imports.

## Biofuels-Fuel Ethanol (Minus Denaturant)

1993 forward: Fuel ethanol (including denaturant) imports data are from PSA/PSM Table 1. Fuel ethanol (minus denaturant) production is equal to fuel ethanol (including denaturant) production from Table 10.3 minus denaturant from Table 10.3. Fuel ethanol (minus denaturant) imports are equal to fuel ethanol (including denaturant) imports multiplied by the ratio of fuel ethanol (minus denaturant) production to fuel ethanol (including denaturant) production. Fuel ethanol (minus denaturant) imports data are converted to Btu by multiplying by 3.539 million Btu per barrel, the undenatured ethanol heat content factor in Table A3.

## Biofuels-Biodiesel

2001 forward: Biodiesel imports data are from Table 10.4, and are converted to Btu by multiplying by the biodiesel heat content factor in Table A1.

## Biofuels-Other Renewable Fuels

2009 forward: Other renewable fuels imports data are from PSA Table 25 and PSM Table 37. For other renewable diesel fuel, the data are converted to Btu by multiplying by the other renewable diesel fuel heat content factor in Table A1; for other renewable fuels, the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1.

## Total Biofuels

1993-2000: Total biofuels imports are equal to fuel ethanol (minus denaturant) imports.

2001-2008: Total biofuels imports are equal to fuel ethanol (minus denaturant) imports plus biodiesel imports.
2009 forward: Total biofuels imports are the sum of imports values for fuel ethanol (minus denaturant), biodiesel, and other renewable fuels.

## Electricity

1949 forward: Electricity imports data from Table 7.1 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

## Total Primary Energy Imports

1949 forward: Total primary energy imports are the sum of the imports values for coal, coal coke, natural gas, total petroleum, total biofuels, and electricity.

## Table 1.4b Sources

## Coal

1949 forward: Coal exports data from Table 6.1 are converted to Btu by multiplying by the coal exports heat content factors in Table A5.

## Coal Coke

1949 forward: Coal coke exports data from U.S. Department of Commerce, Bureau of the Census, Monthly Report EM 545, are converted to Btu by multiplying by the coal coke exports heat content factor in Table A5.

## Natural Gas

1949 forward: Natural gas exports data from Table 4.1 are converted to Btu by multiplying by the natural gas exports heat content factors in Table A4.

## Crude Oil

1949 forward: Crude oil exports data from Table 3.3b are converted to Btu by multiplying by the crude oil exports heat content factor in Table A2.

## Petroleum Products

1949-2009: Petroleum products (excluding biofuels) exports are equal to total petroleum exports from Table 3.3b minus crude oil exports from Table 3.3b; petroleum products (excluding biofuels) exports data are converted to Btu by multiplying by the total petroleum products exports heat content factors in Table A2.
2010: Petroleum products (including biofuels) exports are equal to total petroleum exports from Table 3.3b minus crude oil exports from Table 3.3b; petroleum products (including biofuels) exports data are converted to Btu by multiplying by the total petroleum products exports heat content factors in Table A2. Petroleum products (excluding biofuels) exports are equal to petroleum products (including biofuels) exports minus fuel ethanol (minus denaturant) exports (see "Biofuels-Fuel Ethanol (Minus Denaturant)" sources below). 2011 forward: Biomass-based diesel fuel exports data are from U.S. Energy Information Administration, Petroleum Supply Annual (PSA), Table 31, and Petroleum Supply Monthly (PSM), Table 49, and are converted to Btu by
multiplying by the biodiesel heat content factor in Table A1. Petroleum products (excluding biofuels) exports are equal to petroleum products (including biofuels) exports (see 2010 sources above) minus fuel ethanol (minus denaturant) exports (see "Biofuels-Fuel Ethanol (Minus Denaturant)" sources below) minus biomass-based diesel fuel exports.

## Total Petroleum

1949 forward: Total petroleum exports are equal to crude oil exports plus petroleum products exports.

## Biofuels-Fuel Ethanol (Minus Denaturant)

2010 forward: Fuel ethanol (including denaturant) exports data are from PSA/PSM Table 1. Fuel ethanol (minus denaturant) production is equal to fuel ethanol (including denaturant) production from Table 10.3 minus denaturant from Table 10.3. Fuel ethanol (minus denaturant) exports are equal to fuel ethanol (including denaturant) exports multiplied by the ratio of fuel ethanol (minus denaturant) production to fuel ethanol (including denaturant) production. Fuel ethanol (minus denaturant) exports are converted to Btu by multiplying by 3.539 million Btu per barrel, the undenatured ethanol heat content factor in Table A3.

## Biofuels-Biodiesel

2001 forward: Biodiesel exports data are from Table 10.4, and are converted to Btu by multiplying by the biodiesel heat content factor in Table A1.

## Total Biofuels

2001-2009: Total biofuels exports are equal to biodiesel exports.
2010 forward: Total biofuels exports are equal to fuel ethanol (minus denaturant) exports plus biodiesel exports.

## Electricity

1949 forward: Electricity exports data from Table 7.1 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

## Total Primary Energy Exports

1949 forward: Total primary energy exports are the sum of the exports values for coal, coal coke, natural gas, total petroleum, total biofuels, and electricity.

## Total Primary Energy Net Imports

1949 forward: Total primary energy net imports are equal to total primary energy imports from Table 1.4a minus total primary energy exports.

## Table 1.5 Sources

U.S. Department of Commerce, U.S. Census Bureau, Foreign Trade Division:

## Petroleum Exports

1974-1987: "U.S. Exports," FT-410, December issues. 1988 and 1989: "Report on U.S. Merchandise Trade," Final Revisions.

1990-1992: "U.S. Merchandise Trade," Final Report. 1993-2009: "U.S. International Trade in Goods and Services," Annual Revisions.
2010-2011: "U.S. International Trade in Goods and Services," 2012 Annual Revisions.
2012-2014: "U.S. International Trade in Goods and Services," 2014 Annual Revisions.
2015 and 2016: "U.S. International Trade in Goods and Services," FT-900, monthly.

## Petroleum Imports

1974-1987: "U.S. Merchandise Trade," FT-900, December issues, 1975-1988.
1988 and 1989: "Report on U.S. Merchandise Trade," Final Revisions.
1990-1993: "U.S. Merchandise Trade," Final Report.
1994-2009: "U.S. International Trade in Goods and Services," Annual Revisions.
2010-2011: "U.S. International Trade in Goods and Services," 2012 Annual Revisions.
2012-2014: "U.S. International Trade in Goods and Services," 2014 Annual Revisions.
2015 and 2016: "U.S. International Trade in Goods and Services," FT-900, monthly.

## Energy Exports and Imports

1974-1987: U.S. merchandise trade press releases and database printouts for adjustments.
1988: January-July, monthly FT-900 supplement, 1989 issues. August-December, monthly FT-900, 1989 issues.
1989: Monthly FT-900, 1990 issues.
1990-1992: "U.S. Merchandise Trade," Final Report.
1993-2009: "U.S. International Trade in Goods and Services," Annual Revisions.
2010-2011: "U.S. International Trade in Goods and Services," 2012 Annual Revisions.
2012-2014: "U.S. International Trade in Goods and Services," 2014 Annual Revisions.

2015 and 2016: "U.S. International Trade in Goods and Services," FT-900, monthly.

## Petroleum Balance

1974 forward: The petroleum balance is calculated by the U.S. Energy Information Administration (EIA) as petroleum imports minus petroleum exports.

## Energy Balance

1974 forward: The energy balance is calculated by EIA as energy imports minus energy exports.

## Non-Energy Balance

1974 forward: The non-energy balance is calculated by EIA as the total merchandise balance minus the energy balance.

## Total Merchandise

1974-1987: U.S. merchandise trade press releases and database printouts for adjustments.
1988: "Report on U.S. Merchandise Trade, 1988 Final Revisions," August 18, 1989.
1989: "Report on U.S. Merchandise Trade, 1989 Revisions," July 10, 1990.
1990: "U.S. Merchandise Trade, 1990 Final Report," May 10, 1991, and "U.S. Merchandise Trade, December 1992," February 18, 1993, page 3.
1991: "U.S. Merchandise Trade, 1992 Final Report," May 12, 1993.
1992-2009: "U.S. International Trade in Goods and Services," Annual Revisions.
2010-2011: "U.S. International Trade in Goods and Services," 2012 Annual Revisions.
2012-2014: "U.S. International Trade in Goods and Services," 2014 Annual Revisions.
2015 and 2016: "U.S. International Trade in Goods and Services," FT-900, monthly.



[^0]:    a Coal, natural gas (dry), crude oil, and natural gas plant liquids.
    b See Tables 10.1-10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and Consumption," at end of Section 10.
    c Net imports equal imports minus exports.
    d Includes petroleum stock change and adjustments; natural gas net storage withdrawals and balancing item; coal stock change, losses, and unaccounted for fuel ethanol stock change; and biodiesel stock change and balancing item.
    e Coal, coal coke net imports, natural gas, and petroleum
    f Also includes electricity net imports.
    $\mathrm{R}=$ Revised.

[^1]:    a Most data are estimates. See Tables 10.1-10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and Consumption," at end of Section 10.
    b Beginning in 1989, includes waste coal supplied. Beginning in 2001, also includes a small amount of refuse recovery. See Table 6.1.
    c Includes lease condensate.
    e Natural gas plant liquids.
    e Conventional hydroelectric power.

[^2]:    a Small quantities of net imports of coal coke and electricity are not shown. Web Page: http://www.eia.gov/totalenergy/data/monthly/\#summary.

[^3]:    a Crude oil and lease condensate. Includes imports into the Strategic Petroleum Reserve, which began in 1977.
    b Petroleum products, unfinished oils, pentanes plus, and gasoline blending components. Does not include biofuels.

    C Fuel ethanol (minus denaturant) and biodiesel.
    R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.
    Notes: • See "Primary Energy" in Glossary. - Totals may not equal sum of

[^4]:    a See "Primary Energy Consumption" in Glossary.
    ${ }^{\text {b }}$ Expenditures include taxes where data are available.
    c Carbon dioxide emissions from energy consumption. See Table 12.1.
    d See "Chained Dollars" and "Real Dollars" in Glossary.
    e See "Gross Domestic Product (GDP)" in Glossary.
    ${ }^{f}$ Gross output is the value of GDP plus the value of intermediate inputs used to produce GDP.
    g See "Nominal Dollars" in Glossary.
    $\mathrm{R}=$ Revised. NA=Not available.
    Notes: - Data are estimates. - Geographic coverage is the 50 states and the District of Columbia.
    Web Page: See http://www.eia.gov/totalenergy/data/monthly/\#summary (Excel and CSV files) for all available annual data beginning in 1949.
    Sources: - Consumption: Table 1.3. - Consumption per Capita:
    Calculated as energy consumption divided by U.S. population (see Table C1).

