

Table 1. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - New England-01

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.027 | 0.026 | 0.026 | 0.027 | 0.027 | 0.027 | 0.027 | 0.028 | 0.028 | 0.028 | 0.028 | 0.029 | 0.029 |
| Kerosene | 0.026 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.016 | 0.016 |
| Distillate Fuel Oil | 0.356 | 0.345 | 0.336 | 0.334 | 0.330 | 0.329 | 0.330 | 0.331 | 0.333 | 0.333 | 0.333 | 0.331 | 0.330 |
| Liquid Fuels Subtotal | 0.409 | 0.386 | 0.378 | 0.376 | 0.372 | 0.370 | 0.372 | 0.374 | 0.376 | 0.377 | 0.377 | 0.376 | 0.375 |
| Natural Gas | 0.193 | 0.202 | 0.183 | 0.207 | 0.210 | 0.212 | 0.213 | 0.215 | 0.217 | 0.217 | 0.218 | 0.219 | 0.219 |
| Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Renewable Energy 1/ Electricity | 0.027 0.159 | 0.028 0.166 | 0.027 0.170 | 0.028 0.173 | 0.028 0.177 | 0.028 0.179 | 0.027 0.182 | 0.027 0.183 | 0.027 0.186 | 0.026 0.187 | 0.026 0.188 | 0.026 0.189 | 0.026 0.191 |
| Delivered Energy | 0.789 | 0.781 | 0.757 | 0.784 | 0.787 | 0.789 | 0.795 | 0.800 | 0.806 | 0.808 | 0.809 | 0.810 | 0.811 |
| Electricity Related Losses | 0.289 | 0.317 | 0.303 | 0.320 | 0.329 | 0.333 | 0.334 | 0.333 | 0.333 | 0.346 | 0.347 | 0.336 | 0.333 |
| Total | 1.078 | 1.098 | 1.060 | 1.105 | 1.115 | 1.122 | 1.129 | 1.133 | 1.139 | 1.153 | 1.156 | 1.145 | 1.144 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Motor Gasoline 2/ Kerosene | 0.008 0.003 | 0.008 0.003 | 0.008 0.003 | 0.008 0.003 | 0.009 0.003 | 0.009 0.003 | 0.009 0.004 | 0.009 0.004 | 0.009 0.004 | 0.009 0.004 | 0.009 0.004 | 0.009 0.004 | 0.009 0.004 |
| Distillate Fuel Oil | 0.094 | 0.093 | 0.090 | 0.085 | 0.084 | 0.085 | 0.085 | 0.087 | 0.088 | 0.089 | 0.089 | 0.089 | 0.089 |
| Residual Fuel Oil | 0.024 | 0.026 | 0.025 | 0.024 | 0.026 | 0.026 | 0.025 | 0.026 | 0.026 | 0.027 | 0.026 | 0.026 | 0.026 |
| Liquid Fuels Subtotal | 0.136 | 0.137 | 0.132 | 0.126 | 0.127 | 0.129 | 0.128 | 0.130 | 0.131 | 0.134 | 0.134 | 0.134 | 0.133 |
| Natural Gas | 0.139 | 0.126 | 0.122 | 0.125 | 0.127 | 0.130 | 0.132 | 0.135 | 0.138 | 0.141 | 0.143 | 0.146 | 0.148 |
| Coal | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Renewable Energy 3/ Electricity | 0.009 0.184 | 0.009 0.183 | 0.009 0.185 | 0.009 0.186 | 0.009 0.189 | 0.009 0.194 | 0.009 0.197 | 0.009 0.202 | 0.009 0.206 | 0.009 0.210 | 0.009 0.214 | 0.009 0.218 | 0.009 0.221 |
| Delivered Energy | 0.469 | 0.457 | 0.449 | 0.447 | 0.455 | 0.463 | 0.468 | 0.478 | 0.486 | 0.496 | 0.502 | 0.508 | 0.514 |
| Electricity Related Losses | 0.333 | 0.349 | 0.331 | 0.345 | 0.352 | 0.360 | 0.363 | 0.367 | 0.370 | 0.390 | 0.395 | 0.386 | 0.385 |
| Total | 0.802 | 0.806 | 0.780 | 0.792 | 0.807 | 0.823 | 0.832 | 0.844 | 0.856 | 0.885 | 0.897 | 0.894 | 0.899 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.012 0.037 | 0.012 0.037 | 0.012 0.038 | 0.012 0.036 | 0.012 0.035 | 0.012 0.034 | 0.012 0.033 | 0.011 0.033 | 0.011 0.033 | 0.011 0.033 | 0.011 0.033 | 0.011 0.032 | 0.011 0.032 |
| Residual Fuel Oil | 0.034 | 0.038 | 0.039 | 0.031 | 0.031 | 0.030 | 0.029 | 0.029 | 0.029 | 0.030 | 0.030 | 0.029 | 0.029 |
| Petrochemical Feedstocks | 0.012 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.044 0.144 | 0.045 0.147 | 0.044 0.148 | 0.042 0.137 | 0.041 0.134 | 0.040 0.131 | 0.039 0.129 | 0.038 0.128 | 0.037 0.127 | 0.037 0.128 | 0.036 0.126 | 0.035 0.124 | 0.035 0.124 |
| Natural Gas | 0.085 | 0.090 | 0.085 | 0.117 | 0.119 | 0.121 | 0.123 | 0.125 | 0.126 | 0.125 | 0.126 | 0.127 | 0.127 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.000 0.085 | 0.000 0.090 | 0.000 0.085 | 0.000 0.117 | 0.000 0.119 | 0.000 0.121 | 0.000 0.123 | 0.000 0.125 | 0.000 0.126 | 0.000 0.125 | 0.000 0.126 | 0.000 0.127 | 0.000 0.127 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Industrial Coal | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 7/ Electricity | 0.095 0.083 | 0.075 0.084 | 0.082 0.081 | 0.082 0.081 | 0.082 0.081 | 0.081 0.081 | 0.082 0.081 | 0.083 0.082 | 0.084 0.082 | 0.084 0.082 | 0.085 0.082 | 0.086 0.082 | 0.087 0.082 |
| Delivered Energy | 0.624 | 0.645 | 0.715 | 0.776 | 0.873 | 1.032 | 1.108 | 1.129 | 1.144 | 1.151 | 1.154 | 1.160 | 1.164 |
| Electricity Related Losses | 0.150 | 0.160 | 0.144 | 0.151 | 0.150 | 0.150 | 0.149 | 0.149 | 0.147 | 0.152 | 0.152 | 0.146 | 0.144 |
| Total | 0.774 | 0.806 | 0.859 | 0.927 | 1.023 | 1.181 | 1.257 | 1.277 | 1.292 | 1.304 | 1.306 | 1.306 | 1.307 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.001 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 |

Table 1. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - New England-01

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 0.821 | 0.820 | 0.829 | 0.838 | 0.852 | 0.866 | 0.881 | 0.895 | 0.908 | 0.921 | 0.935 | 0.948 | 0.960 |
| Jet Fuel 9/ | 0.061 | 0.061 | 0.062 | 0.064 | 0.066 | 0.069 | 0.072 | 0.073 | 0.074 | 0.075 | 0.076 | 0.077 | 0.077 |
| Distillate Fuel Oil 10/ | 0.156 | 0.158 | 0.163 | 0.166 | 0.169 | 0.172 | 0.175 | 0.179 | 0.183 | 0.186 | 0.189 | 0.192 | 0.195 |
| Residual Fuel Oil | 0.005 | 0.006 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Liquid Fuels Subtotal | 1.050 | 1.053 | 1.066 | 1.083 | 1.101 | 1.121 | 1.143 | 1.162 | 1.179 | 1.197 | 1.214 | 1.231 | 1.248 |
| Pipeline Fuel Natural Gas | 0.006 | 0.006 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| Compressed Natural Gas | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 |
| Electricity | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Delivered Energy | 1.059 | 1.063 | 1.077 | 1.095 | 1.114 | 1.135 | 1.157 | 1.176 | 1.195 | 1.212 | 1.230 | 1.248 | 1.265 |
| Electricity Related Losses | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Total | 1.061 | 1.065 | 1.078 | 1.097 | 1.116 | 1.138 | 1.160 | 1.179 | 1.198 | 1.215 | 1.234 | 1.251 | 1.268 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.040 | 0.038 | 0.039 | 0.040 | 0.040 | 0.040 | 0.040 | 0.040 | 0.041 | 0.041 | 0.041 | 0.041 | 0.042 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 0.841 | 0.841 | 0.849 | 0.859 | 0.873 | 0.888 | 0.902 | 0.915 | 0.928 | 0.941 | 0.955 | 0.968 | 0.980 |
| Jet Fuel 9/ | 0.061 | 0.061 | 0.062 | 0.064 | 0.066 | 0.069 | 0.072 | 0.073 | 0.074 | 0.075 | 0.076 | 0.077 | 0.077 |
| Kerosene | 0.031 | 0.021 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 |
| Distillate Fuel Oil | 0.643 | 0.633 | 0.626 | 0.622 | 0.618 | 0.619 | 0.624 | 0.630 | 0.636 | 0.641 | 0.644 | 0.645 | 0.646 |
| Residual Fuel Oil | 0.063 | 0.070 | 0.070 | 0.060 | 0.062 | 0.062 | 0.060 | 0.061 | 0.061 | 0.064 | 0.062 | 0.061 | 0.061 |
| Petrochemical Feedstocks | 0.012 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.048 | 0.049 | 0.048 | 0.047 | 0.045 | 0.044 | 0.043 | 0.042 | 0.042 | 0.041 | 0.041 | 0.040 | 0.040 |
| Liquid Fuels Subtotal | 1.740 | 1.723 | 1.724 | 1.723 | 1.735 | 1.752 | 1.772 | 1.794 | 1.814 | 1.836 | 1.851 | 1.865 | 1.879 |
| Natural Gas | 0.418 | 0.420 | 0.393 | 0.452 | 0.459 | 0.466 | 0.473 | 0.479 | 0.485 | 0.489 | 0.493 | 0.498 | 0.501 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Pipeline Natural Gas | 0.006 | 0.006 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| Natural Gas Subtotal | 0.424 | 0.426 | 0.400 | 0.460 | 0.467 | 0.475 | 0.481 | 0.488 | 0.494 | 0.498 | 0.502 | 0.506 | 0.510 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.132 | 0.112 | 0.118 | 0.119 | 0.119 | 0.118 | 0.118 | 0.119 | 0.119 | 0.120 | 0.120 | 0.121 | 0.121 |
| Electricity | 0.427 | 0.434 | 0.437 | 0.441 | 0.448 | 0.455 | 0.462 | 0.469 | 0.476 | 0.481 | 0.486 | 0.491 | 0.497 |
| Delivered Energy | 2.941 | 2.946 | 2.998 | 3.102 | 3.229 | 3.419 | 3.528 | 3.582 | 3.631 | 3.667 | 3.696 | 3.725 | 3.753 |
| Electricity Related Losses | 0.775 | 0.829 | 0.779 | 0.818 | 0.833 | 0.845 | 0.850 | 0.852 | 0.854 | 0.891 | 0.897 | 0.871 | 0.865 |
| Total | 3.716 | 3.774 | 3.778 | 3.920 | 4.062 | 4.264 | 4.378 | 4.434 | 4.485 | 4.558 | 4.593 | 4.596 | 4.618 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.004 | 0.011 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Residual Fuel Oil | 0.114 | 0.117 | 0.052 | 0.064 | 0.066 | 0.065 | 0.071 | 0.076 | 0.069 | 0.109 | 0.109 | 0.092 | 0.077 |
| Liquid Fuels Subtotal | 0.118 | 0.128 | 0.058 | 0.071 | 0.074 | 0.073 | 0.079 | 0.083 | 0.077 | 0.117 | 0.117 | 0.100 | 0.084 |
| Natural Gas | 0.365 | 0.373 | 0.411 | 0.436 | 0.465 | 0.497 | 0.487 | 0.489 | 0.497 | 0.497 | 0.499 | 0.497 | 0.512 |
| Steam Coal | 0.194 | 0.206 | 0.182 | 0.185 | 0.187 | 0.192 | 0.197 | 0.204 | 0.209 | 0.207 | 0.215 | 0.215 | 0.216 |
| Nuclear Power | 0.356 | 0.367 | 0.365 | 0.365 | 0.364 | 0.362 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 |
| Renewable Energy 15/ | 0.141 | 0.160 | 0.167 | 0.181 | 0.173 | 0.168 | 0.164 | 0.162 | 0.163 | 0.163 | 0.168 | 0.169 | 0.167 |
| Electricity Imports | 0.027 | 0.030 | 0.033 | 0.021 | 0.018 | 0.007 | 0.013 | 0.012 | 0.014 | 0.017 | 0.014 | 0.010 | 0.012 |
| Total | 1.202 | 1.263 | 1.216 | 1.259 | 1.281 | 1.300 | 1.311 | 1.320 | 1.330 | 1.372 | 1.384 | 1.362 | 1.361 |

Table 1. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - New England-01

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.040 | 0.038 | 0.039 | 0.040 | 0.040 | 0.040 | 0.040 | 0.040 | 0.041 | 0.041 | 0.041 | 0.041 | 0.042 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 0.841 | 0.841 | 0.849 | 0.859 | 0.873 | 0.888 | 0.902 | 0.915 | 0.928 | 0.941 | 0.955 | 0.968 | 0.980 |
| Jet Fuel 9/ | 0.061 | 0.061 | 0.062 | 0.064 | 0.066 | 0.069 | 0.072 | 0.073 | 0.074 | 0.075 | 0.076 | 0.077 | 0.077 |
| Kerosene | 0.031 | 0.021 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 |
| Distillate Fuel Oil | 0.647 | 0.644 | 0.632 | 0.629 | 0.625 | 0.627 | 0.631 | 0.637 | 0.644 | 0.648 | 0.652 | 0.653 | 0.654 |
| Residual Fuel Oil | 0.177 | 0.187 | 0.122 | 0.124 | 0.128 | 0.127 | 0.131 | 0.136 | 0.130 | 0.173 | 0.171 | 0.154 | 0.138 |
| Petrochemical Feedstocks | 0.012 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.048 | 0.049 | 0.048 | 0.047 | 0.045 | 0.044 | 0.043 | 0.042 | 0.042 | 0.041 | 0.041 | 0.040 | 0.040 |
| Liquid Fuels Subtotal | 1.858 | 1.851 | 1.781 | 1.793 | 1.808 | 1.825 | 1.851 | 1.877 | 1.891 | 1.953 | 1.968 | 1.965 | 1.963 |
| Natural Gas | 0.783 | 0.793 | 0.804 | 0.887 | 0.924 | 0.963 | 0.960 | 0.969 | 0.982 | 0.986 | 0.992 | 0.995 | 1.012 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Pipeline Natural Gas | 0.006 | 0.006 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| Natural Gas Subtotal | 0.789 | 0.799 | 0.810 | 0.895 | 0.932 | 0.972 | 0.969 | 0.977 | 0.991 | 0.995 | 1.001 | 1.004 | 1.021 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 0.201 | 0.212 | 0.188 | 0.191 | 0.193 | 0.198 | 0.203 | 0.210 | 0.215 | 0.213 | 0.221 | 0.221 | 0.221 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.201 | 0.212 | 0.188 | 0.191 | 0.193 | 0.198 | 0.203 | 0.210 | 0.215 | 0.213 | 0.221 | 0.221 | 0.221 |
| Nuclear Power | 0.356 | 0.367 | 0.365 | 0.365 | 0.364 | 0.362 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.273 | 0.271 | 0.284 | 0.301 | 0.292 | 0.287 | 0.283 | 0.280 | 0.282 | 0.283 | 0.288 | 0.289 | 0.289 |
| Electricity Imports | 0.027 | 0.030 | 0.033 | 0.021 | 0.018 | 0.007 | 0.013 | 0.012 | 0.014 | 0.017 | 0.014 | 0.010 | 0.012 |
| Total | 3.716 | 3.774 | 3.778 | 3.920 | 4.062 | 4.264 | 4.378 | 4.434 | 4.485 | 4.558 | 4.593 | 4.596 | 4.618 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 2.941 | 2.946 | 2.998 | 3.102 | 3.229 | 3.419 | 3.528 | 3.582 | 3.631 | 3.667 | 3.696 | 3.725 | 3.753 |
| Total Energy Use | 3.716 | 3.774 | 3.778 | 3.920 | 4.062 | 4.264 | 4.378 | 4.434 | 4.485 | 4.558 | 4.593 | 4.596 | 4.618 |
| Population (millions) | 14.267 | 14.347 | 14.424 | 14.497 | 14.567 | 14.636 | 14.703 | 14.769 | 14.832 | 14.894 | 14.954 | 15.013 | 15.069 |
| Carbon Dioxide Emissions (million metric tons) | 191.43 | 193.72 | 185.01 | 190.25 | 193.09 | 196.13 | 198.01 | 200.94 | 203.07 | 207.79 | 209.90 | 209.65 | 210.38 |

Table 1. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - New England-01

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.031 | 0.7% |
| Kerosene | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.1% |
| Distillate Fuel Oil | 0.326 | 0.324 | 0.320 | 0.318 | 0.314 | 0.311 | 0.308 | 0.306 | 0.303 | 0.300 | 0.297 | 0.295 | 0.291 | 0.288 | -0.7% |
| Liquid Fuels Subtotal | 0.371 | 0.369 | 0.366 | 0.364 | 0.360 | 0.357 | 0.354 | 0.352 | 0.349 | 0.346 | 0.343 | 0.341 | 0.337 | 0.335 | -0.6% |
| Natural Gas | 0.219 | 0.219 | 0.219 | 0.220 | 0.220 | 0.220 | 0.219 | 0.220 | 0.219 | 0.219 | 0.218 | 0.218 | 0.217 | 0.217 | 0.3% |
| Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -1.3% |
| Renewable Energy 1/ Electricity | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | -0.6% |
| Delivered Energy | 0.192 | 0.194 | 0.195 | 0.197 | 0.198 | 0.199 | 0.200 | 0.202 | 0.203 | 0.204 | 0.205 | 0.206 | 0.207 | 0.207 | 0.9% |
| Electricity Related Losses | 0.808 | 0.807 | 0.806 | 0.806 | 0.802 | 0.800 | 0.798 | 0.799 | 0.795 | 0.793 | 0.790 | 0.790 | 0.785 | 0.782 | 0.0% |
| Total | 0.336 | 0.339 | 0.344 | 0.344 | 0.343 | 0.344 | 0.346 | 0.347 | 0.345 | 0.344 | 0.340 | 0.338 | 0.323 | 0.303 | -0.2% |
| Total | 1.144 | 1.146 | 1.149 | 1.150 | 1.145 | 1.145 | 1.144 | 1.146 | 1.140 | 1.136 | 1.131 | 1.128 | 1.107 | 1.085 | 0.0% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.4% |
| Motor Gasoline 2/ Kerosene | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.5% |
| Distillate Fuel Oil | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.2% |
| Residual Fuel Oil | 0.089 | 0.088 | 0.088 | 0.087 | 0.087 | 0.087 | 0.087 | 0.087 | 0.087 | 0.086 | 0.086 | 0.086 | 0.086 | 0.086 | -0.3% |
| Liquid Fuels Subtotal | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.027 | 0.026 | 0.0% |
| Natural Gas | 0.133 | 0.133 | 0.132 | 0.132 | 0.132 | 0.131 | 0.132 | 0.131 | 0.132 | 0.131 | 0.131 | 0.131 | 0.131 | 0.131 | -0.2% |
| Coal | 0.150 | 0.152 | 0.155 | 0.157 | 0.159 | 0.162 | 0.164 | 0.166 | 0.169 | 0.171 | 0.174 | 0.176 | 0.179 | 0.181 | 1.5% |
| Renewable Energy 3/ Electricity | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | N/A |
| Delivered Energy | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.0% |
| Electricity Related Losses | 0.225 | 0.229 | 0.233 | 0.237 | 0.241 | 0.245 | 0.249 | 0.253 | 0.258 | 0.262 | 0.267 | 0.271 | 0.276 | 0.281 | 1.7% |
| Total | 0.519 | 0.525 | 0.530 | 0.536 | 0.542 | 0.549 | 0.555 | 0.562 | 0.569 | 0.576 | 0.583 | 0.589 | 0.597 | 0.604 | 1.1% |
| Total | 0.394 | 0.401 | 0.410 | 0.412 | 0.417 | 0.424 | 0.430 | 0.435 | 0.439 | 0.442 | 0.444 | 0.445 | 0.431 | 0.411 | 0.7% |
| Total | 0.913 | 0.925 | 0.940 | 0.948 | 0.959 | 0.972 | 0.985 | 0.997 | 1.008 | 1.018 | 1.026 | 1.034 | 1.028 | 1.015 | 0.9% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -0.8% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | -0.6% |
| Residual Fuel Oil | 0.032 | 0.032 | 0.032 | 0.032 | 0.031 | 0.031 | 0.031 | 0.031 | 0.030 | 0.030 | 0.030 | 0.029 | 0.029 | 0.029 | -1.0% |
| Petrochemical Feedstocks | 0.029 | 0.029 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | -1.2% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.0% |
| Natural Gas | 0.034 | 0.034 | 0.033 | 0.033 | 0.033 | 0.032 | 0.032 | 0.031 | 0.031 | 0.031 | 0.031 | 0.030 | 0.030 | 0.030 | -1.6% |
| Natural-Gas-to-Liquids Heat and Power | 0.122 | 0.121 | 0.119 | 0.119 | 0.118 | 0.116 | 0.116 | 0.115 | 0.115 | 0.114 | 0.114 | 0.112 | 0.112 | 0.111 | -1.1% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.126 | 0.126 | 0.128 | 0.129 | 0.130 | 0.131 | 0.131 | 0.132 | 0.134 | 0.135 | 0.136 | 0.137 | 0.138 | 0.139 | 1.8% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal-to-Liquids Heat and Power | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -0.2% |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -0.2% |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Renewable Energy 7/ Electricity | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Delivered Energy | 0.087 | 0.087 | 0.088 | 0.089 | 0.089 | 0.090 | 0.090 | 0.091 | 0.091 | 0.092 | 0.093 | 0.093 | 0.094 | 0.094 | 0.9% |
| Electricity Related Losses | 0.082 | 0.081 | 0.081 | 0.081 | 0.081 | 0.081 | 0.080 | 0.080 | 0.079 | 0.079 | 0.079 | 0.079 | 0.079 | 0.078 | -0.3% |
| Total | 1.169 | 1.179 | 1.190 | 1.199 | 1.213 | 1.226 | 1.231 | 1.241 | 1.256 | 1.266 | 1.276 | 1.282 | 1.292 | 1.303 | 2.9% |
| Total | 0.144 | 0.142 | 0.143 | 0.141 | 0.140 | 0.139 | 0.138 | 0.137 | 0.135 | 0.134 | 0.131 | 0.129 | 0.123 | 0.115 | -1.3% |
| Total | 1.313 | 1.321 | 1.333 | 1.340 | 1.353 | 1.365 | 1.369 | 1.378 | 1.391 | 1.399 | 1.407 | 1.411 | 1.415 | 1.418 | 2.3% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 2.7% |

Table 1. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - New England-01

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 11.1% |
| Motor Gasoline 2/ | 0.972 | 0.984 | 0.994 | 1.005 | 1.016 | 1.026 | 1.036 | 1.046 | 1.055 | 1.066 | 1.076 | 1.086 | 1.095 | 1.105 | 1.2% |
| Jet Fuel 9/ | 0.078 | 0.079 | 0.079 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 1.1% |
| Distillate Fuel Oil 10/ | 0.198 | 0.200 | 0.203 | 0.206 | 0.210 | 0.214 | 0.218 | 0.222 | 0.227 | 0.232 | 0.237 | 0.242 | 0.247 | 0.252 | 1.9% |
| Residual Fuel Oil | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.5% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.2% |
| Other Petroleum 11/ | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | -0.1% |
| Liquid Fuels Subtotal | 1.263 | 1.277 | 1.292 | 1.307 | 1.321 | 1.335 | 1.349 | 1.363 | 1.378 | 1.394 | 1.409 | 1.424 | 1.439 | 1.455 | 1.3% |
| Pipeline Fuel Natural Gas | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 1.8% |
| Compressed Natural Gas | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 6.4% |
| Electricity | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 3.5% |
| Delivered Energy | 1.280 | 1.295 | 1.310 | 1.325 | 1.340 | 1.354 | 1.369 | 1.384 | 1.398 | 1.414 | 1.430 | 1.445 | 1.461 | 1.476 | 1.3% |
| Electricity Related Losses | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 2.4% |
| Total | 1.283 | 1.299 | 1.313 | 1.329 | 1.344 | 1.358 | 1.373 | 1.387 | 1.402 | 1.418 | 1.434 | 1.449 | 1.465 | 1.479 | 1.3% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.042 | 0.042 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.044 | 0.044 | 0.044 | 0.044 | 0.6% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 11.1% |
| Motor Gasoline 2/ | 0.992 | 1.004 | 1.014 | 1.025 | 1.036 | 1.046 | 1.056 | 1.066 | 1.075 | 1.086 | 1.096 | 1.106 | 1.115 | 1.125 | 1.2% |
| Jet Fuel 9/ | 0.078 | 0.079 | 0.079 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 1.1% |
| Kerosene | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.1% |
| Distillate Fuel Oil | 0.645 | 0.644 | 0.643 | 0.643 | 0.642 | 0.642 | 0.644 | 0.645 | 0.646 | 0.648 | 0.650 | 0.652 | 0.653 | 0.655 | 0.1% |
| Residual Fuel Oil | 0.061 | 0.061 | 0.060 | 0.060 | 0.060 | 0.060 | 0.060 | 0.060 | 0.061 | 0.060 | 0.060 | 0.060 | 0.061 | 0.061 | -0.5% |
| Petrochemical Feedstocks | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.0% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.2% |
| Other Petroleum 12/ | 0.039 | 0.038 | 0.038 | 0.037 | 0.037 | 0.037 | 0.036 | 0.036 | 0.036 | 0.035 | 0.035 | 0.035 | 0.034 | 0.034 | -1.5% |
| Liquid Fuels Subtotal | 1.889 | 1.900 | 1.909 | 1.921 | 1.930 | 1.939 | 1.951 | 1.962 | 1.973 | 1.985 | 1.997 | 2.009 | 2.020 | 2.031 | 0.7% |
| Natural Gas | 0.501 | 0.504 | 0.509 | 0.513 | 0.517 | 0.520 | 0.522 | 0.526 | 0.529 | 0.533 | 0.537 | 0.541 | 0.543 | 0.546 | 1.1% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Pipeline Natural Gas | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 1.8% |
| Natural Gas Subtotal | 0.510 | 0.513 | 0.518 | 0.522 | 0.526 | 0.530 | 0.532 | 0.536 | 0.539 | 0.544 | 0.547 | 0.551 | 0.553 | 0.556 | 1.1% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | -0.2% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | -0.2% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.122 | 0.122 | 0.122 | 0.123 | 0.123 | 0.123 | 0.124 | 0.124 | 0.125 | 0.125 | 0.126 | 0.126 | 0.126 | 0.127 | 0.5% |
| Electricity | 0.501 | 0.506 | 0.511 | 0.517 | 0.521 | 0.527 | 0.532 | 0.537 | 0.542 | 0.548 | 0.554 | 0.559 | 0.564 | 0.569 | 1.1% |
| Delivered Energy | 3.776 | 3.805 | 3.836 | 3.866 | 3.898 | 3.929 | 3.954 | 3.985 | 4.018 | 4.049 | 4.079 | 4.106 | 4.134 | 4.165 | 1.4% |
| Electricity Related Losses | 0.878 | 0.885 | 0.899 | 0.900 | 0.903 | 0.911 | 0.917 | 0.923 | 0.923 | 0.924 | 0.919 | 0.917 | 0.880 | 0.832 | 0.0% |
| Total | 4.654 | 4.691 | 4.735 | 4.766 | 4.801 | 4.840 | 4.871 | 4.908 | 4.941 | 4.972 | 4.999 | 5.023 | 5.015 | 4.998 | 1.1% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.008 | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 | 0.006 | 0.006 | 0.006 | 0.006 | 0.005 | 0.005 | 0.004 | 0.004 | -3.6% |
| Residual Fuel Oil | 0.073 | 0.068 | 0.066 | 0.066 | 0.062 | 0.061 | 0.061 | 0.061 | 0.061 | 0.062 | 0.062 | 0.063 | 0.062 | 0.061 | -2.5% |
| Liquid Fuels Subtotal | 0.081 | 0.075 | 0.073 | 0.073 | 0.068 | 0.068 | 0.068 | 0.068 | 0.067 | 0.067 | 0.067 | 0.068 | 0.066 | 0.066 | -2.6% |
| Natural Gas | 0.528 | 0.547 | 0.566 | 0.576 | 0.587 | 0.599 | 0.610 | 0.621 | 0.627 | 0.634 | 0.630 | 0.629 | 0.595 | 0.554 | 1.6% |
| Steam Coal | 0.216 | 0.216 | 0.217 | 0.217 | 0.217 | 0.217 | 0.216 | 0.216 | 0.216 | 0.215 | 0.215 | 0.215 | 0.213 | 0.212 | 0.1% |
| Nuclear Power | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.0% |
| Renewable Energy 15/ | 0.168 | 0.169 | 0.167 | 0.168 | 0.167 | 0.168 | 0.169 | 0.169 | 0.169 | 0.170 | 0.176 | 0.177 | 0.183 | 0.184 | 0.6% |
| Electricity Imports | 0.015 | 0.014 | 0.017 | 0.013 | 0.014 | 0.015 | 0.015 | 0.017 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.015 | -2.6% |
| Total | 1.379 | 1.391 | 1.411 | 1.417 | 1.424 | 1.438 | 1.449 | 1.461 | 1.466 | 1.472 | 1.473 | 1.476 | 1.444 | 1.402 | 0.4% |

Table 1. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - New England-01

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2030-2030 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.042 | 0.042 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.044 | 0.044 | 0.044 | 0.044 | 0.6% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 11.1% |
| Motor Gasoline 2/ | 0.992 | 1.004 | 1.014 | 1.025 | 1.036 | 1.046 | 1.056 | 1.066 | 1.075 | 1.086 | 1.096 | 1.106 | 1.115 | 1.125 | 1.2% |
| Jet Fuel 9/ | 0.078 | 0.079 | 0.079 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 1.1% |
| Kerosene | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.1% |
| Distillate Fuel Oil | 0.652 | 0.651 | 0.650 | 0.650 | 0.649 | 0.649 | 0.650 | 0.652 | 0.652 | 0.654 | 0.655 | 0.657 | 0.657 | 0.659 | 0.1% |
| Residual Fuel Oil | 0.134 | 0.129 | 0.126 | 0.126 | 0.121 | 0.121 | 0.122 | 0.121 | 0.122 | 0.122 | 0.122 | 0.123 | 0.123 | 0.122 | -1.7% |
| Petrochemical Feedstocks | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.0% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.2% |
| Other Petroleum 12/ | 0.039 | 0.038 | 0.038 | 0.037 | 0.037 | 0.037 | 0.036 | 0.036 | 0.036 | 0.035 | 0.035 | 0.035 | 0.034 | 0.034 | -1.5% |
| Liquid Fuels Subtotal | 1.970 | 1.975 | 1.982 | 1.994 | 1.998 | 2.007 | 2.019 | 2.030 | 2.041 | 2.053 | 2.064 | 2.077 | 2.086 | 2.097 | 0.5% |
| Natural Gas | 1.030 | 1.051 | 1.075 | 1.088 | 1.104 | 1.119 | 1.133 | 1.147 | 1.157 | 1.167 | 1.167 | 1.170 | 1.138 | 1.100 | 1.3% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Pipeline Natural Gas | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 1.8% |
| Natural Gas Subtotal | 1.039 | 1.061 | 1.084 | 1.098 | 1.113 | 1.129 | 1.143 | 1.157 | 1.167 | 1.177 | 1.177 | 1.180 | 1.148 | 1.110 | 1.3% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 0.222 | 0.222 | 0.222 | 0.223 | 0.222 | 0.223 | 0.222 | 0.222 | 0.222 | 0.221 | 0.220 | 0.220 | 0.219 | 0.218 | 0.1% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.222 | 0.222 | 0.222 | 0.223 | 0.222 | 0.223 | 0.222 | 0.222 | 0.222 | 0.221 | 0.220 | 0.220 | 0.219 | 0.218 | 0.1% |
| Nuclear Power | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.371 | 0.0% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 0.289 | 0.290 | 0.289 | 0.291 | 0.290 | 0.291 | 0.293 | 0.293 | 0.294 | 0.295 | 0.301 | 0.303 | 0.309 | 0.311 | 0.5% |
| Electricity Imports | 0.015 | 0.014 | 0.017 | 0.013 | 0.014 | 0.015 | 0.015 | 0.017 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.015 | -2.6% |
| Total | 4.654 | 4.691 | 4.735 | 4.766 | 4.801 | 4.840 | 4.871 | 4.908 | 4.941 | 4.972 | 4.999 | 5.023 | 5.015 | 4.998 | 1.1% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 3.776 | 3.805 | 3.836 | 3.866 | 3.898 | 3.929 | 3.954 | 3.985 | 4.018 | 4.049 | 4.079 | 4.106 | 4.134 | 4.165 | 1.4% |
| Total Energy Use | 4.654 | 4.691 | 4.735 | 4.766 | 4.801 | 4.840 | 4.871 | 4.908 | 4.941 | 4.972 | 4.999 | 5.023 | 5.015 | 4.998 | 1.1% |
| Population (millions) | 15.122 | 15.173 | 15.221 | 15.265 | 15.307 | 15.346 | 15.381 | 15.414 | 15.443 | 15.471 | 15.498 | 15.523 | 15.547 | 15.570 | 0.3% |
| Carbon Dioxide Emissions (million metric tons) | 211.74 | 213.17 | 214.93 | 216.47 | 217.50 | 218.96 | 220.43 | 221.91 | 223.13 | 224.43 | 225.31 | 226.41 | 225.20 | 223.88 | 0.6% |

Table 1. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - New England-01

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Middle Atlantic-02

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.040 | 0.037 | 0.039 | 0.039 | 0.040 | 0.040 | 0.041 | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.044 |
| Kerosene | 0.025 | 0.034 | 0.034 | 0.030 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 |
| Distillate Fuel Oil | 0.388 | 0.395 | 0.385 | 0.389 | 0.386 | 0.384 | 0.384 | 0.386 | 0.387 | 0.388 | 0.387 | 0.384 | 0.382 |
| Liquid Fuels Subtotal | 0.452 | 0.466 | 0.457 | 0.458 | 0.454 | 0.453 | 0.454 | 0.456 | 0.458 | 0.459 | 0.459 | 0.457 | 0.455 |
| Natural Gas | 0.898 | 0.904 | 0.818 | 0.897 | 0.903 | 0.906 | 0.909 | 0.912 | 0.917 | 0.916 | 0.915 | 0.915 | 0.915 |
| Coal | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Renewable Energy 1/ Electricity | 0.077 0.430 | 0.078 0.458 | 0.072 0.468 | 0.079 0.473 | 0.078 0.482 | 0.077 0.487 | 0.076 0.492 | 0.075 0.496 | 0.074 0.500 | 0.072 0.501 | 0.071 0.504 | 0.071 0.506 | 0.070 0.510 |
| Delivered Energy | 1.860 | 1.910 | 1.819 | 1.910 | 1.921 | 1.925 | 1.933 | 1.941 | 1.952 | 1.951 | 1.952 | 1.950 | 1.952 |
| Electricity Related Losses | 1.090 | 1.118 | 1.064 | 1.109 | 1.150 | 1.155 | 1.171 | 1.174 | 1.188 | 1.200 | 1.210 | 1.241 | 1.255 |
| Total | 2.950 | 3.028 | 2.882 | 3.019 | 3.071 | 3.079 | 3.104 | 3.115 | 3.140 | 3.151 | 3.162 | 3.191 | 3.207 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| Motor Gasoline 2/ Kerosene | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 | 0.002 0.010 |
| Distillate Fuel Oil | 0.162 | 0.163 | 0.152 | 0.149 | 0.147 | 0.149 | 0.150 | 0.152 | 0.154 | 0.156 | 0.156 | 0.156 | 0.156 |
| Residual Fuel Oil | 0.082 | 0.091 | 0.087 | 0.097 | 0.095 | 0.095 | 0.093 | 0.097 | 0.097 | 0.104 | 0.098 | 0.098 | 0.099 |
| Liquid Fuels Subtotal | 0.263 | 0.272 | 0.258 | 0.265 | 0.261 | 0.263 | 0.263 | 0.268 | 0.270 | 0.279 | 0.273 | 0.274 | 0.274 |
| Natural Gas | 0.654 | 0.607 | 0.591 | 0.610 | 0.611 | 0.620 | 0.628 | 0.639 | 0.648 | 0.658 | 0.664 | 0.671 | 0.675 |
| Coal | 0.021 | 0.021 | 0.018 | 0.019 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 |
| Renewable Energy 3/ Electricity | 0.023 0.534 | 0.024 0.543 | 0.024 0.550 | 0.024 0.546 | 0.024 0.549 | 0.024 0.559 | 0.024 0.569 | 0.024 0.580 | 0.024 0.588 | 0.024 0.596 | 0.024 0.603 | 0.024 0.610 | 0.024 0.617 |
| Delivered Energy | 1.495 | 1.467 | 1.440 | 1.463 | 1.464 | 1.486 | 1.504 | 1.531 | 1.551 | 1.577 | 1.585 | 1.598 | 1.611 |
| Electricity Related Losses | 1.352 | 1.324 | 1.250 | 1.278 | 1.311 | 1.327 | 1.353 | 1.372 | 1.398 | 1.426 | 1.450 | 1.497 | 1.520 |
| Total | 2.847 | 2.791 | 2.690 | 2.741 | 2.775 | 2.813 | 2.857 | 2.903 | 2.948 | 3.003 | 3.035 | 3.095 | 3.131 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.027 | 0.026 | 0.026 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.022 | 0.022 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.024 0.057 | 0.024 0.057 | 0.024 0.059 | 0.024 0.054 | 0.023 0.052 | 0.023 0.050 | 0.023 0.049 | 0.023 0.049 | 0.022 0.049 | 0.022 0.049 | 0.022 0.048 | 0.022 0.048 | 0.022 0.048 |
| Residual Fuel Oil | 0.023 | 0.026 | 0.026 | 0.018 | 0.017 | 0.016 | 0.015 | 0.015 | 0.015 | 0.016 | 0.015 | 0.015 | 0.015 |
| Petrochemical Feedstocks | 0.141 | 0.114 | 0.111 | 0.120 | 0.124 | 0.126 | 0.129 | 0.130 | 0.130 | 0.130 | 0.129 | 0.129 | 0.127 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.423 0.696 | 0.416 0.662 | 0.405 0.652 | 0.397 0.636 | 0.370 0.609 | 0.357 0.596 | 0.352 0.591 | 0.350 0.591 | 0.347 0.586 | 0.350 0.590 | 0.343 0.581 | 0.340 0.577 | 0.344 0.578 |
| Natural Gas | 0.361 | 0.358 | 0.362 | 0.361 | 0.337 | 0.368 | 0.359 | 0.370 | 0.364 | 0.366 | 0.373 | 0.367 | 0.384 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.005 0.366 | 0.006 0.364 | 0.008 0.370 | 0.007 0.368 | 0.007 0.344 | 0.007 0.375 | 0.007 0.366 | 0.007 0.377 | 0.007 0.371 | 0.007 0.373 | 0.007 0.380 | 0.008 0.375 | 0.008 0.391 |
| Metallurgical Coal | 0.206 | 0.190 | 0.205 | 0.194 | 0.193 | 0.191 | 0.191 | 0.191 | 0.190 | 0.190 | 0.189 | 0.188 | 0.186 |
| Other Industrial Coal | 0.098 | 0.091 | 0.089 | 0.090 | 0.091 | 0.091 | 0.090 | 0.089 | 0.089 | 0.088 | 0.087 | 0.087 | 0.087 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.692 | -0.229 | -0.258 | -0.109 | -0.109 | -0.109 | -0.109 | -0.110 | -0.110 | -0.110 | -0.110 | -0.110 | -0.109 |
| Coal Subtotal | -0.389 | 0.052 | 0.036 | 0.175 | 0.174 | 0.173 | 0.172 | 0.170 | 0.169 | 0.167 | 0.166 | 0.165 | 0.164 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 7/ Electricity | 0.052 0.271 | 0.043 0.271 | 0.048 0.269 | 0.048 0.267 | 0.048 0.265 | 0.048 0.264 | 0.048 0.266 | 0.048 0.268 | 0.049 0.270 | 0.049 0.270 | 0.050 0.271 | 0.050 0.271 | 0.051 0.271 |
| Delivered Energy | 1.210 | 1.638 | 1.689 | 1.848 | 1.894 | 2.069 | 2.132 | 2.162 | 2.166 | 2.178 | 2.179 | 2.174 | 2.196 |
| Electricity Related Losses | 0.687 | 0.661 | 0.612 | 0.626 | 0.631 | 0.627 | 0.633 | 0.635 | 0.640 | 0.647 | 0.651 | 0.664 | 0.668 |
| Total | 1.897 | 2.298 | 2.301 | 2.475 | 2.525 | 2.696 | 2.765 | 2.797 | 2.807 | 2.825 | 2.831 | 2.838 | 2.864 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.004 | 0.005 | 0.005 | 0.010 | 0.008 | 0.007 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Middle Atlantic-02

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 1.885 | 1.884 | 1.904 | 1.885 | 1.880 | 1.882 | 1.887 | 1.900 | 1.914 | 1.928 | 1.946 | 1.962 | 1.979 |
| Jet Fuel 9/ | 0.352 | 0.351 | 0.355 | 0.366 | 0.378 | 0.395 | 0.416 | 0.423 | 0.427 | 0.431 | 0.434 | 0.436 | 0.439 |
| Distillate Fuel Oil 10/ | 0.515 | 0.522 | 0.536 | 0.544 | 0.549 | 0.555 | 0.562 | 0.571 | 0.580 | 0.587 | 0.594 | 0.600 | 0.607 |
| Residual Fuel Oil | 0.101 | 0.110 | 0.101 | 0.103 | 0.105 | 0.107 | 0.109 | 0.108 | 0.108 | 0.108 | 0.107 | 0.107 | 0.106 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.015 | 0.018 | 0.017 | 0.017 | 0.018 | 0.018 | 0.018 | 0.018 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 |
| Liquid Fuels Subtotal | 2.873 | 2.892 | 2.918 | 2.925 | 2.939 | 2.965 | 2.998 | 3.027 | 3.053 | 3.079 | 3.105 | 3.130 | 3.156 |
| Pipeline Fuel Natural Gas | 0.039 | 0.038 | 0.036 | 0.040 | 0.040 | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.044 | 0.044 |
| Compressed Natural Gas | 0.004 | 0.004 | 0.006 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 |
| Electricity | 0.012 | 0.013 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.015 | 0.015 | 0.016 |
| Delivered Energy | 2.928 | 2.947 | 2.973 | 2.985 | 2.999 | 3.027 | 3.062 | 3.092 | 3.120 | 3.146 | 3.173 | 3.199 | 3.226 |
| Electricity Related Losses | 0.031 | 0.031 | 0.029 | 0.031 | 0.032 | 0.033 | 0.034 | 0.034 | 0.035 | 0.035 | 0.036 | 0.037 | 0.038 |
| Total | 2.959 | 2.977 | 3.002 | 3.016 | 3.032 | 3.060 | 3.095 | 3.126 | 3.154 | 3.181 | 3.209 | 3.237 | 3.264 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.079 | 0.076 | 0.077 | 0.079 | 0.078 | 0.078 | 0.077 | 0.078 | 0.079 | 0.079 | 0.079 | 0.080 | 0.080 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 1.911 | 1.910 | 1.930 | 1.910 | 1.906 | 1.907 | 1.912 | 1.924 | 1.938 | 1.952 | 1.970 | 1.986 | 2.003 |
| Jet Fuel 9/ | 0.352 | 0.351 | 0.355 | 0.366 | 0.378 | 0.395 | 0.416 | 0.423 | 0.427 | 0.431 | 0.434 | 0.436 | 0.439 |
| Kerosene | 0.041 | 0.052 | 0.051 | 0.047 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 |
| Distillate Fuel Oil | 1.122 | 1.136 | 1.131 | 1.137 | 1.134 | 1.138 | 1.146 | 1.158 | 1.170 | 1.179 | 1.185 | 1.189 | 1.193 |
| Residual Fuel Oil | 0.206 | 0.227 | 0.214 | 0.218 | 0.217 | 0.218 | 0.218 | 0.221 | 0.220 | 0.228 | 0.220 | 0.220 | 0.221 |
| Petrochemical Feedstocks | 0.141 | 0.114 | 0.111 | 0.120 | 0.124 | 0.126 | 0.129 | 0.130 | 0.130 | 0.130 | 0.129 | 0.129 | 0.127 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.431 | 0.427 | 0.415 | 0.407 | 0.380 | 0.368 | 0.363 | 0.361 | 0.357 | 0.361 | 0.354 | 0.350 | 0.354 |
| Liquid Fuels Subtotal | 4.284 | 4.292 | 4.285 | 4.284 | 4.263 | 4.276 | 4.307 | 4.342 | 4.369 | 4.408 | 4.419 | 4.437 | 4.462 |
| Natural Gas | 1.916 | 1.873 | 1.777 | 1.874 | 1.858 | 1.901 | 1.904 | 1.929 | 1.938 | 1.949 | 1.962 | 1.962 | 1.984 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.005 | 0.006 | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 |
| Pipeline Natural Gas | 0.039 | 0.038 | 0.036 | 0.040 | 0.040 | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.044 | 0.044 |
| Natural Gas Subtotal | 1.961 | 1.917 | 1.821 | 1.921 | 1.905 | 1.950 | 1.952 | 1.979 | 1.988 | 1.999 | 2.013 | 2.014 | 2.036 |
| Metallurgical Coal | 0.206 | 0.190 | 0.205 | 0.194 | 0.193 | 0.191 | 0.191 | 0.191 | 0.190 | 0.190 | 0.189 | 0.188 | 0.186 |
| Other Coal | 0.122 | 0.115 | 0.110 | 0.112 | 0.113 | 0.113 | 0.113 | 0.112 | 0.111 | 0.110 | 0.110 | 0.110 | 0.110 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.692 | -0.229 | -0.258 | -0.109 | -0.109 | -0.109 | -0.109 | -0.110 | -0.110 | -0.110 | -0.110 | -0.110 | -0.109 |
| Coal Subtotal | -0.365 | 0.076 | 0.056 | 0.196 | 0.197 | 0.196 | 0.195 | 0.193 | 0.192 | 0.190 | 0.189 | 0.188 | 0.187 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.152 | 0.145 | 0.144 | 0.150 | 0.150 | 0.148 | 0.147 | 0.147 | 0.146 | 0.146 | 0.145 | 0.145 | 0.145 |
| Electricity | 1.247 | 1.285 | 1.300 | 1.300 | 1.310 | 1.324 | 1.341 | 1.359 | 1.373 | 1.383 | 1.393 | 1.402 | 1.414 |
| Delivered Energy | 7.493 | 7.961 | 7.922 | 8.206 | 8.278 | 8.507 | 8.631 | 8.726 | 8.789 | 8.852 | 8.889 | 8.922 | 8.984 |
| Electricity Related Losses | 3.160 | 3.134 | 2.955 | 3.044 | 3.124 | 3.142 | 3.190 | 3.215 | 3.261 | 3.309 | 3.347 | 3.439 | 3.482 |
| Total | 10.653 | 11.095 | 10.876 | 11.250 | 11.402 | 11.649 | 11.822 | 11.941 | 12.050 | 12.161 | 12.236 | 12.361 | 12.466 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.017 | 0.018 | 0.015 | 0.015 | 0.017 | 0.019 | 0.021 | 0.022 | 0.025 | 0.026 | 0.027 | 0.027 | 0.027 |
| Residual Fuel Oil | 0.263 | 0.291 | 0.125 | 0.251 | 0.251 | 0.251 | 0.250 | 0.251 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 |
| Liquid Fuels Subtotal | 0.280 | 0.309 | 0.140 | 0.266 | 0.268 | 0.269 | 0.272 | 0.273 | 0.308 | 0.309 | 0.310 | 0.310 | 0.310 |
| Natural Gas | 0.492 | 0.534 | 0.440 | 0.384 | 0.468 | 0.476 | 0.504 | 0.524 | 0.532 | 0.549 | 0.542 | 0.599 | 0.610 |
| Steam Coal | 1.530 | 1.581 | 1.649 | 1.644 | 1.662 | 1.701 | 1.728 | 1.754 | 1.769 | 1.806 | 1.864 | 1.911 | 1.952 |
| Nuclear Power | 1.556 | 1.531 | 1.551 | 1.551 | 1.545 | 1.541 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 |
| Renewable Energy 15/ | 0.533 | 0.440 | 0.449 | 0.482 | 0.477 | 0.473 | 0.468 | 0.464 | 0.465 | 0.466 | 0.464 | 0.464 | 0.465 |
| Electricity Imports | 0.017 | 0.024 | 0.026 | 0.017 | 0.014 | 0.006 | 0.011 | 0.009 | 0.011 | 0.011 | 0.012 | 0.008 | 0.009 |
| Total | 4.408 | 4.419 | 4.254 | 4.343 | 4.434 | 4.466 | 4.532 | 4.573 | 4.634 | 4.692 | 4.740 | 4.841 | 4.896 |

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Middle Atlantic-02

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.079 | 0.076 | 0.077 | 0.079 | 0.078 | 0.078 | 0.077 | 0.078 | 0.079 | 0.079 | 0.079 | 0.080 | 0.080 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 1.911 | 1.910 | 1.930 | 1.910 | 1.906 | 1.907 | 1.912 | 1.924 | 1.938 | 1.952 | 1.970 | 1.986 | 2.003 |
| Jet Fuel 9/ | 0.352 | 0.351 | 0.355 | 0.366 | 0.378 | 0.395 | 0.416 | 0.423 | 0.427 | 0.431 | 0.434 | 0.436 | 0.439 |
| Kerosene | 0.041 | 0.052 | 0.051 | 0.047 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 |
| Distillate Fuel Oil | 1.139 | 1.155 | 1.146 | 1.152 | 1.151 | 1.157 | 1.167 | 1.180 | 1.195 | 1.205 | 1.212 | 1.216 | 1.220 |
| Residual Fuel Oil | 0.469 | 0.517 | 0.340 | 0.469 | 0.467 | 0.469 | 0.468 | 0.472 | 0.504 | 0.511 | 0.504 | 0.503 | 0.504 |
| Petrochemical Feedstocks | 0.141 | 0.114 | 0.111 | 0.120 | 0.124 | 0.126 | 0.129 | 0.130 | 0.130 | 0.130 | 0.129 | 0.129 | 0.127 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.431 | 0.427 | 0.415 | 0.407 | 0.380 | 0.368 | 0.363 | 0.361 | 0.357 | 0.361 | 0.354 | 0.350 | 0.354 |
| Liquid Fuels Subtotal | 4.564 | 4.602 | 4.425 | 4.550 | 4.531 | 4.545 | 4.578 | 4.615 | 4.677 | 4.716 | 4.728 | 4.747 | 4.773 |
| Natural Gas | 2.408 | 2.407 | 2.217 | 2.258 | 2.326 | 2.377 | 2.407 | 2.453 | 2.470 | 2.498 | 2.504 | 2.562 | 2.595 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.005 | 0.006 | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 |
| Pipeline Natural Gas | 0.039 | 0.038 | 0.036 | 0.040 | 0.040 | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.044 | 0.044 |
| Natural Gas Subtotal | 2.453 | 2.451 | 2.261 | 2.305 | 2.373 | 2.425 | 2.456 | 2.503 | 2.520 | 2.548 | 2.555 | 2.613 | 2.647 |
| Metallurgical Coal | 0.206 | 0.190 | 0.205 | 0.194 | 0.193 | 0.191 | 0.191 | 0.191 | 0.190 | 0.190 | 0.189 | 0.188 | 0.186 |
| Other Coal | 1.651 | 1.696 | 1.759 | 1.755 | 1.775 | 1.814 | 1.841 | 1.865 | 1.880 | 1.916 | 1.974 | 2.020 | 2.062 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.692 | -0.229 | -0.258 | -0.109 | -0.109 | -0.109 | -0.109 | -0.110 | -0.110 | -0.110 | -0.110 | -0.110 | -0.109 |
| Coal Subtotal | 1.165 | 1.658 | 1.706 | 1.840 | 1.859 | 1.897 | 1.923 | 1.946 | 1.960 | 1.996 | 2.053 | 2.099 | 2.139 |
| Nuclear Power | 1.556 | 1.531 | 1.551 | 1.551 | 1.545 | 1.541 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.685 | 0.585 | 0.593 | 0.632 | 0.626 | 0.621 | 0.616 | 0.611 | 0.612 | 0.611 | 0.609 | 0.609 | 0.609 |
| Electricity Imports | 0.017 | 0.024 | 0.026 | 0.017 | 0.014 | 0.006 | 0.011 | 0.009 | 0.011 | 0.013 | 0.012 | 0.008 | 0.009 |
| Total | 10.653 | 11.095 | 10.876 | 11.250 | 11.402 | 11.649 | 11.822 | 11.941 | 12.050 | 12.161 | 12.236 | 12.361 | 12.466 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 7.493 | 7.961 | 7.922 | 8.206 | 8.278 | 8.507 | 8.631 | 8.726 | 8.789 | 8.852 | 8.889 | 8.922 | 8.984 |
| Total Energy Use | 10.653 | 11.095 | 10.876 | 11.250 | 11.402 | 11.649 | 11.822 | 11.941 | 12.050 | 12.161 | 12.236 | 12.361 | 12.466 |
| Population (millions) | 40.412 | 40.557 | 40.692 | 40.817 | 40.932 | 41.044 | 41.150 | 41.251 | 41.347 | 41.439 | 41.526 | 41.608 | 41.683 |
| Carbon Dioxide Emissions (million metric tons) | 546.82 | 599.17 | 576.64 | 600.47 | 603.93 | 609.90 | 615.89 | 623.20 | 630.06 | 637.73 | 644.45 | 653.13 | 660.46 |

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Middle Atlantic-02

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005- 2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.044 | 0.044 | 0.045 | 0.045 | 0.046 | 0.046 | 0.046 | 0.047 | 0.047 | 0.047 | 0.047 | 0.048 | 0.048 | 0.048 | 1.0% |
| Kerosene | 0.028 | 0.028 | 0.028 | 0.028 | 0.027 | 0.027 | 0.027 | 0.027 | 0.026 | 0.026 | 0.026 | 0.025 | 0.025 | 0.025 | -1.2% |
| Distillate Fuel Oil | 0.378 | 0.374 | 0.370 | 0.367 | 0.362 | 0.358 | 0.354 | 0.351 | 0.347 | 0.343 | 0.339 | 0.336 | 0.332 | 0.328 | -0.7% |
| Liquid Fuels Subtotal | 0.450 | 0.447 | 0.443 | 0.440 | 0.435 | 0.431 | 0.427 | 0.424 | 0.420 | 0.416 | 0.412 | 0.409 | 0.404 | 0.401 | -0.6% |
| Natural Gas | 0.909 | 0.907 | 0.905 | 0.905 | 0.901 | 0.898 | 0.895 | 0.893 | 0.887 | 0.884 | 0.881 | 0.879 | 0.872 | 0.869 | -0.2% |
| Coal | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | -1.0% |
| Renewable Energy 1/ Electricity | 0.069 | 0.068 | 0.067 | 0.067 | 0.066 | 0.065 | 0.064 | 0.064 | 0.063 | 0.062 | 0.061 | 0.061 | 0.060 | 0.059 | -1.1% |
| Delivered Energy | 0.511 | 0.513 | 0.516 | 0.520 | 0.520 | 0.523 | 0.525 | 0.528 | 0.529 | 0.531 | 0.534 | 0.537 | 0.537 | 0.539 | 0.6% |
| Electricity Related Losses | 1.942 | 1.937 | 1.934 | 1.935 | 1.924 | 1.919 | 1.913 | 1.912 | 1.901 | 1.896 | 1.890 | 1.889 | 1.876 | 1.870 | -0.1% |
| Total | 1.256 | 1.264 | 1.266 | 1.280 | 1.282 | 1.289 | 1.295 | 1.306 | 1.314 | 1.324 | 1.336 | 1.358 | 1.377 | 1.384 | 0.9% |
| Total | 3.198 | 3.202 | 3.200 | 3.215 | 3.206 | 3.208 | 3.208 | 3.218 | 3.215 | 3.220 | 3.226 | 3.246 | 3.253 | 3.254 | 0.3% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.2% |
| Motor Gasoline 2/ Kerosene | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.9% |
| Distillate Fuel Oil | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.1% |
| Residual Fuel Oil | 0.155 | 0.154 | 0.154 | 0.153 | 0.152 | 0.152 | 0.152 | 0.151 | 0.151 | 0.151 | 0.150 | 0.150 | 0.150 | 0.149 | -0.3% |
| Liquid Fuels Subtotal | 0.098 | 0.098 | 0.097 | 0.097 | 0.097 | 0.096 | 0.098 | 0.097 | 0.098 | 0.097 | 0.097 | 0.097 | 0.099 | 0.098 | 0.3% |
| Natural Gas | 0.273 | 0.272 | 0.270 | 0.270 | 0.269 | 0.268 | 0.269 | 0.268 | 0.269 | 0.268 | 0.267 | 0.267 | 0.269 | 0.267 | -0.1% |
| Coal | 0.678 | 0.682 | 0.686 | 0.691 | 0.696 | 0.700 | 0.704 | 0.707 | 0.712 | 0.717 | 0.722 | 0.726 | 0.730 | 0.735 | 0.8% |
| Renewable Energy 3/ Electricity | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | -0.2% |
| Delivered Energy | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.0% |
| Electricity Related Losses | 0.624 | 0.631 | 0.638 | 0.645 | 0.653 | 0.661 | 0.668 | 0.676 | 0.684 | 0.692 | 0.701 | 0.710 | 0.719 | 0.728 | 1.2% |
| Total | 1.619 | 1.628 | 1.638 | 1.649 | 1.661 | 1.673 | 1.686 | 1.695 | 1.709 | 1.721 | 1.734 | 1.746 | 1.761 | 1.774 | 0.8% |
| Electricity Related Losses | 1.535 | 1.555 | 1.565 | 1.588 | 1.608 | 1.629 | 1.649 | 1.670 | 1.698 | 1.725 | 1.755 | 1.795 | 1.843 | 1.871 | 1.4% |
| Total | 3.154 | 3.183 | 3.203 | 3.237 | 3.269 | 3.302 | 3.334 | 3.365 | 3.407 | 3.445 | 3.489 | 3.542 | 3.604 | 3.645 | 1.1% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.022 | 0.022 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | -1.2% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | -0.6% |
| Residual Fuel Oil | 0.048 | 0.047 | 0.047 | 0.047 | 0.046 | 0.046 | 0.046 | 0.046 | 0.045 | 0.045 | 0.044 | 0.044 | 0.043 | 0.043 | -1.1% |
| Petrochemical Feedstocks | 0.015 | 0.015 | 0.015 | 0.015 | 0.014 | 0.014 | 0.015 | 0.014 | 0.014 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | -2.2% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.124 | 0.123 | 0.123 | 0.122 | 0.121 | 0.120 | 0.118 | 0.117 | 0.116 | 0.115 | 0.114 | 0.113 | 0.113 | 0.112 | 0.0% |
| Natural Gas | 0.341 | 0.339 | 0.329 | 0.337 | 0.335 | 0.333 | 0.332 | 0.321 | 0.322 | 0.326 | 0.326 | 0.334 | 0.322 | 0.334 | -0.9% |
| Natural-Gas-to-Liquids Heat and Power | 0.572 | 0.568 | 0.556 | 0.563 | 0.559 | 0.555 | 0.553 | 0.539 | 0.539 | 0.541 | 0.540 | 0.546 | 0.533 | 0.544 | -0.8% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.372 | 0.376 | 0.400 | 0.388 | 0.391 | 0.393 | 0.395 | 0.410 | 0.413 | 0.403 | 0.406 | 0.407 | 0.420 | 0.412 | 0.6% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 2.2% |
| Coal-to-Liquids Heat and Power | 0.380 | 0.383 | 0.408 | 0.396 | 0.400 | 0.402 | 0.403 | 0.419 | 0.422 | 0.412 | 0.415 | 0.416 | 0.430 | 0.422 | 0.6% |
| Net Coal Coke Imports | 0.183 | 0.182 | 0.181 | 0.181 | 0.181 | 0.180 | 0.179 | 0.178 | 0.178 | 0.178 | 0.178 | 0.177 | 0.176 | 0.175 | -0.3% |
| Coal Subtotal | 0.087 | 0.086 | 0.086 | 0.086 | 0.086 | 0.086 | 0.086 | 0.085 | 0.086 | 0.086 | 0.086 | 0.086 | 0.086 | 0.086 | -0.2% |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Renewable Energy 7/ Electricity | -0.108 | -0.107 | -0.107 | -0.107 | -0.107 | -0.106 | -0.106 | -0.106 | -0.106 | -0.106 | -0.106 | -0.105 | -0.104 | -0.104 | -3.1% |
| Delivered Energy | 0.162 | 0.161 | 0.160 | 0.159 | 0.159 | 0.159 | 0.158 | 0.158 | 0.158 | 0.158 | 0.158 | 0.158 | 0.157 | 0.157 | 4.5% |
| Electricity Related Losses | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Total | 0.051 | 0.051 | 0.052 | 0.052 | 0.052 | 0.053 | 0.053 | 0.053 | 0.054 | 0.054 | 0.055 | 0.055 | 0.055 | 0.056 | 1.0% |
| Delivered Energy | 0.270 | 0.268 | 0.267 | 0.267 | 0.266 | 0.266 | 0.264 | 0.263 | 0.262 | 0.262 | 0.261 | 0.261 | 0.260 | 0.260 | -0.2% |
| Electricity Related Losses | 2.182 | 2.190 | 2.213 | 2.216 | 2.228 | 2.238 | 2.240 | 2.251 | 2.268 | 2.269 | 2.279 | 2.292 | 2.302 | 2.315 | 1.4% |
| Total | 0.663 | 0.660 | 0.656 | 0.658 | 0.656 | 0.655 | 0.651 | 0.649 | 0.650 | 0.652 | 0.655 | 0.659 | 0.666 | 0.667 | 0.0% |
| Total | 2.846 | 2.850 | 2.869 | 2.873 | 2.884 | 2.893 | 2.891 | 2.900 | 2.918 | 2.921 | 2.934 | 2.952 | 2.968 | 2.982 | 1.0% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 2.2% |

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Middle Atlantic-02

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 10.3% |
| Motor Gasoline 2/ | 1.995 | 2.011 | 2.025 | 2.040 | 2.055 | 2.069 | 2.083 | 2.097 | 2.110 | 2.126 | 2.140 | 2.153 | 2.167 | 2.180 | 0.6% |
| Jet Fuel 9/ | 0.441 | 0.443 | 0.445 | 0.443 | 0.441 | 0.439 | 0.437 | 0.435 | 0.433 | 0.431 | 0.430 | 0.429 | 0.428 | 0.428 | 0.8% |
| Distillate Fuel Oil 10/ | 0.611 | 0.615 | 0.621 | 0.629 | 0.637 | 0.645 | 0.654 | 0.663 | 0.675 | 0.687 | 0.699 | 0.711 | 0.722 | 0.734 | 1.4% |
| Residual Fuel Oil | 0.106 | 0.105 | 0.105 | 0.105 | 0.104 | 0.104 | 0.103 | 0.102 | 0.102 | 0.101 | 0.101 | 0.100 | 0.099 | 0.099 | -0.4% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 42.3% |
| Other Petroleum 11/ | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.016 | 0.016 | 0.016 | 0.016 | -0.5% |
| Liquid Fuels Subtotal | 3.178 | 3.200 | 3.222 | 3.243 | 3.263 | 3.283 | 3.304 | 3.325 | 3.347 | 3.372 | 3.397 | 3.421 | 3.445 | 3.470 | 0.7% |
| Pipeline Fuel Natural Gas | 0.044 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.044 | 0.044 | 0.044 | 0.044 | 0.044 | 0.6% |
| Compressed Natural Gas | 0.011 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.014 | 4.7% |
| Electricity | 0.016 | 0.016 | 0.016 | 0.016 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 1.5% |
| Delivered Energy | 3.249 | 3.271 | 3.294 | 3.316 | 3.337 | 3.357 | 3.378 | 3.399 | 3.422 | 3.447 | 3.472 | 3.497 | 3.521 | 3.546 | 0.7% |
| Electricity Related Losses | 0.039 | 0.039 | 0.040 | 0.040 | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.044 | 0.045 | 0.046 | 0.047 | 0.048 | 1.8% |
| Total | 3.288 | 3.311 | 3.334 | 3.356 | 3.378 | 3.398 | 3.420 | 3.442 | 3.465 | 3.491 | 3.517 | 3.542 | 3.568 | 3.593 | 0.8% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.080 | 0.081 | 0.081 | 0.082 | 0.082 | 0.082 | 0.082 | 0.083 | 0.083 | 0.083 | 0.084 | 0.084 | 0.084 | 0.084 | 0.4% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 10.3% |
| Motor Gasoline 2/ | 2.019 | 2.035 | 2.048 | 2.064 | 2.079 | 2.092 | 2.107 | 2.120 | 2.133 | 2.149 | 2.163 | 2.176 | 2.190 | 2.203 | 0.6% |
| Jet Fuel 9/ | 0.441 | 0.443 | 0.445 | 0.443 | 0.441 | 0.439 | 0.437 | 0.435 | 0.433 | 0.431 | 0.430 | 0.429 | 0.428 | 0.428 | 0.8% |
| Kerosene | 0.046 | 0.046 | 0.045 | 0.045 | 0.045 | 0.044 | 0.044 | 0.044 | 0.044 | 0.043 | 0.043 | 0.043 | 0.043 | 0.042 | -0.8% |
| Distillate Fuel Oil | 1.192 | 1.191 | 1.192 | 1.196 | 1.197 | 1.200 | 1.206 | 1.212 | 1.218 | 1.225 | 1.233 | 1.240 | 1.246 | 1.254 | 0.4% |
| Residual Fuel Oil | 0.219 | 0.219 | 0.217 | 0.216 | 0.215 | 0.214 | 0.215 | 0.213 | 0.215 | 0.213 | 0.212 | 0.212 | 0.213 | 0.211 | -0.3% |
| Petrochemical Feedstocks | 0.124 | 0.123 | 0.123 | 0.122 | 0.121 | 0.120 | 0.118 | 0.117 | 0.116 | 0.115 | 0.114 | 0.113 | 0.113 | 0.112 | 0.0% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 42.3% |
| Other Petroleum 12/ | 0.351 | 0.349 | 0.339 | 0.347 | 0.345 | 0.342 | 0.342 | 0.331 | 0.332 | 0.335 | 0.335 | 0.343 | 0.331 | 0.343 | -0.9% |
| Liquid Fuels Subtotal | 4.473 | 4.486 | 4.491 | 4.516 | 4.526 | 4.536 | 4.553 | 4.556 | 4.575 | 4.597 | 4.616 | 4.643 | 4.651 | 4.682 | 0.3% |
| Natural Gas | 1.970 | 1.975 | 2.002 | 1.995 | 2.000 | 2.004 | 2.005 | 2.023 | 2.025 | 2.018 | 2.021 | 2.025 | 2.036 | 2.030 | 0.3% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 2.2% |
| Pipeline Natural Gas | 0.044 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.044 | 0.044 | 0.044 | 0.044 | 0.044 | 0.6% |
| Natural Gas Subtotal | 2.022 | 2.027 | 2.055 | 2.049 | 2.054 | 2.057 | 2.059 | 2.076 | 2.078 | 2.071 | 2.075 | 2.079 | 2.090 | 2.083 | 0.3% |
| Metallurgical Coal | 0.183 | 0.182 | 0.181 | 0.181 | 0.181 | 0.180 | 0.179 | 0.178 | 0.178 | 0.178 | 0.178 | 0.177 | 0.176 | 0.175 | -0.3% |
| Other Coal | 0.109 | 0.109 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | 0.108 | -0.2% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | -0.108 | -0.107 | -0.107 | -0.107 | -0.107 | -0.106 | -0.106 | -0.106 | -0.106 | -0.106 | -0.106 | -0.105 | -0.104 | -0.104 | -3.1% |
| Coal Subtotal | 0.185 | 0.183 | 0.182 | 0.182 | 0.182 | 0.181 | 0.181 | 0.180 | 0.180 | 0.181 | 0.180 | 0.180 | 0.179 | 0.179 | 3.5% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.144 | 0.143 | 0.143 | 0.143 | 0.142 | 0.142 | 0.141 | 0.141 | 0.140 | 0.140 | 0.140 | 0.140 | 0.139 | 0.139 | -0.2% |
| Electricity | 1.420 | 1.428 | 1.437 | 1.448 | 1.456 | 1.466 | 1.475 | 1.484 | 1.493 | 1.503 | 1.514 | 1.526 | 1.534 | 1.545 | 0.7% |
| Delivered Energy | 8.992 | 9.027 | 9.078 | 9.115 | 9.151 | 9.186 | 9.217 | 9.257 | 9.299 | 9.333 | 9.376 | 9.424 | 9.460 | 9.504 | 0.7% |
| Electricity Related Losses | 3.493 | 3.518 | 3.527 | 3.566 | 3.587 | 3.615 | 3.637 | 3.667 | 3.705 | 3.744 | 3.791 | 3.858 | 3.933 | 3.970 | 1.0% |
| Total | 12.485 | 12.545 | 12.606 | 12.682 | 12.738 | 12.801 | 12.854 | 12.924 | 13.005 | 13.077 | 13.167 | 13.282 | 13.393 | 13.474 | 0.8% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.027 | 0.028 | 0.026 | 0.026 | 0.025 | 0.025 | 0.025 | 0.025 | 0.026 | 0.025 | 0.024 | 0.025 | 0.024 | 0.024 | 1.1% |
| Residual Fuel Oil | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | 0.283 | -0.1% |
| Liquid Fuels Subtotal | 0.311 | 0.311 | 0.310 | 0.309 | 0.308 | 0.308 | 0.308 | 0.308 | 0.309 | 0.308 | 0.308 | 0.308 | 0.307 | 0.307 | 0.0% |
| Natural Gas | 0.608 | 0.627 | 0.612 | 0.619 | 0.609 | 0.589 | 0.566 | 0.539 | 0.537 | 0.523 | 0.516 | 0.521 | 0.510 | 0.507 | -0.2% |
| Steam Coal | 1.964 | 1.977 | 2.010 | 2.056 | 2.094 | 2.152 | 2.204 | 2.267 | 2.318 | 2.383 | 2.447 | 2.519 | 2.615 | 2.761 | 2.3% |
| Nuclear Power | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.448 | -0.2% |
| Renewable Energy 15/ | 0.470 | 0.472 | 0.470 | 0.471 | 0.472 | 0.472 | 0.472 | 0.474 | 0.472 | 0.472 | 0.473 | 0.473 | 0.473 | 0.479 | 0.3% |
| Electricity Imports | 0.012 | 0.011 | 0.013 | 0.011 | 0.011 | 0.012 | 0.012 | 0.013 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.012 | -2.6% |
| Total | 4.914 | 4.946 | 4.964 | 5.015 | 5.043 | 5.081 | 5.112 | 5.152 | 5.198 | 5.247 | 5.305 | 5.383 | 5.467 | 5.515 | 0.9% |

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Middle Atlantic-02

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.080 | 0.081 | 0.081 | 0.082 | 0.082 | 0.082 | 0.082 | 0.083 | 0.083 | 0.083 | 0.084 | 0.084 | 0.084 | 0.084 | 0.4% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 10.3% |
| Motor Gasoline 2/ | 2.019 | 2.035 | 2.048 | 2.064 | 2.079 | 2.092 | 2.107 | 2.120 | 2.133 | 2.149 | 2.163 | 2.176 | 2.190 | 2.203 | 0.6% |
| Jet Fuel 9/ | 0.441 | 0.443 | 0.445 | 0.443 | 0.441 | 0.439 | 0.437 | 0.435 | 0.433 | 0.431 | 0.430 | 0.429 | 0.428 | 0.428 | 0.8% |
| Kerosene | 0.046 | 0.046 | 0.045 | 0.045 | 0.045 | 0.044 | 0.044 | 0.044 | 0.044 | 0.044 | 0.043 | 0.043 | 0.043 | 0.042 | -0.8% |
| Distillate Fuel Oil | 1.219 | 1.219 | 1.218 | 1.222 | 1.223 | 1.225 | 1.231 | 1.237 | 1.243 | 1.250 | 1.257 | 1.265 | 1.271 | 1.278 | 0.4% |
| Residual Fuel Oil | 0.503 | 0.502 | 0.500 | 0.499 | 0.498 | 0.497 | 0.498 | 0.496 | 0.498 | 0.496 | 0.495 | 0.495 | 0.496 | 0.494 | -0.2% |
| Petrochemical Feedstocks | 0.124 | 0.123 | 0.123 | 0.122 | 0.121 | 0.120 | 0.118 | 0.117 | 0.116 | 0.115 | 0.114 | 0.113 | 0.113 | 0.112 | 0.0% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 42.3% |
| Other Petroleum 12/ | 0.351 | 0.349 | 0.339 | 0.347 | 0.345 | 0.342 | 0.342 | 0.331 | 0.332 | 0.335 | 0.335 | 0.343 | 0.331 | 0.343 | -0.9% |
| Liquid Fuels Subtotal | 4.784 | 4.797 | 4.800 | 4.825 | 4.835 | 4.844 | 4.861 | 4.864 | 4.884 | 4.905 | 4.924 | 4.951 | 4.958 | 4.990 | 0.3% |
| Natural Gas | 2.578 | 2.602 | 2.614 | 2.615 | 2.609 | 2.592 | 2.572 | 2.562 | 2.562 | 2.541 | 2.537 | 2.546 | 2.546 | 2.537 | 0.2% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 2.2% |
| Pipeline Natural Gas | 0.044 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.044 | 0.044 | 0.044 | 0.044 | 0.044 | 0.6% |
| Natural Gas Subtotal | 2.630 | 2.655 | 2.667 | 2.668 | 2.662 | 2.646 | 2.625 | 2.615 | 2.616 | 2.595 | 2.591 | 2.600 | 2.600 | 2.591 | 0.2% |
| Metallurgical Coal | 0.183 | 0.182 | 0.181 | 0.181 | 0.181 | 0.180 | 0.179 | 0.178 | 0.178 | 0.178 | 0.178 | 0.177 | 0.176 | 0.175 | -0.3% |
| Other Coal | 2.073 | 2.085 | 2.119 | 2.164 | 2.202 | 2.260 | 2.312 | 2.375 | 2.426 | 2.491 | 2.555 | 2.627 | 2.723 | 2.869 | 2.1% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | -0.108 | -0.107 | -0.107 | -0.107 | -0.107 | -0.106 | -0.106 | -0.106 | -0.106 | -0.106 | -0.106 | -0.105 | -0.104 | -0.104 | -3.1% |
| Coal Subtotal | 2.148 | 2.160 | 2.193 | 2.238 | 2.275 | 2.333 | 2.385 | 2.448 | 2.499 | 2.564 | 2.627 | 2.699 | 2.794 | 2.940 | 2.3% |
| Nuclear Power | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.549 | 1.448 | -0.2% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 0.614 | 0.615 | 0.613 | 0.614 | 0.614 | 0.613 | 0.613 | 0.615 | 0.613 | 0.612 | 0.613 | 0.613 | 0.613 | 0.618 | 0.2% |
| Electricity Imports | 0.012 | 0.011 | 0.013 | 0.011 | 0.011 | 0.012 | 0.012 | 0.013 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.012 | -2.6% |
| Total | 12.485 | 12.545 | 12.606 | 12.682 | 12.738 | 12.801 | 12.854 | 12.924 | 13.005 | 13.077 | 13.167 | 13.282 | 13.393 | 13.474 | 0.8% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 8.992 | 9.027 | 9.078 | 9.115 | 9.151 | 9.186 | 9.217 | 9.257 | 9.299 | 9.333 | 9.376 | 9.424 | 9.460 | 9.504 | 0.7% |
| Total Energy Use | 12.485 | 12.545 | 12.606 | 12.682 | 12.738 | 12.801 | 12.854 | 12.924 | 13.005 | 13.077 | 13.167 | 13.282 | 13.393 | 13.474 | 0.8% |
| Population (millions) | 41.751 | 41.812 | 41.865 | 41.910 | 41.949 | 41.983 | 42.012 | 42.036 | 42.054 | 42.070 | 42.084 | 42.096 | 42.106 | 42.114 | 0.2% |
| Carbon Dioxide Emissions (million metric tons) | 661.51 | 664.87 | 668.84 | 674.84 | 678.79 | 684.14 | 689.23 | 694.98 | 701.12 | 707.64 | 714.75 | 723.97 | 733.52 | 748.78 | 0.9% |

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Middle Atlantic-02

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Eas North Central-03

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.137 | 0.129 | 0.134 | 0.134 | 0.134 | 0.134 | 0.136 | 0.137 | 0.139 | 0.139 | 0.140 | 0.141 | 0.143 |
| Kerosene | 0.008 | 0.009 | 0.008 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Distillate Fuel Oil | 0.042 | 0.048 | 0.047 | 0.046 | 0.046 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 |
| Liquid Fuels Subtotal | 0.186 | 0.186 | 0.189 | 0.186 | 0.185 | 0.184 | 0.186 | 0.187 | 0.189 | 0.190 | 0.191 | 0.192 | 0.193 |
| Natural Gas | 1.448 | 1.439 | 1.298 | 1.435 | 1.457 | 1.464 | 1.471 | 1.480 | 1.489 | 1.490 | 1.490 | 1.490 | 1.492 |
| Coal | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Renewable Energy 1/ Electricity | 0.074 | 0.076 | 0.073 | 0.079 | 0.081 | 0.080 | 0.079 | 0.078 | 0.077 | 0.075 | 0.074 | 0.074 | 0.074 |
| Delivered Energy | 0.612 | 0.666 | 0.668 | 0.676 | 0.688 | 0.695 | 0.705 | 0.712 | 0.721 | 0.726 | 0.732 | 0.738 | 0.746 |
| Electricity Related Losses | 2.322 | 2.370 | 2.231 | 2.379 | 2.414 | 2.426 | 2.443 | 2.459 | 2.478 | 2.483 | 2.490 | 2.496 | 2.507 |
| Total | 1.437 | 1.565 | 1.669 | 1.685 | 1.723 | 1.762 | 1.786 | 1.801 | 1.774 | 1.786 | 1.823 | 1.824 | 1.842 |
| Total | 3.759 | 3.935 | 3.900 | 4.064 | 4.137 | 4.188 | 4.229 | 4.260 | 4.253 | 4.269 | 4.312 | 4.321 | 4.349 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.023 | 0.022 | 0.023 | 0.022 | 0.023 | 0.023 | 0.022 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 |
| Motor Gasoline 2/ Kerosene | 0.005 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Distillate Fuel Oil | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Residual Fuel Oil | 0.042 | 0.043 | 0.042 | 0.040 | 0.040 | 0.041 | 0.042 | 0.044 | 0.045 | 0.046 | 0.046 | 0.047 | 0.047 |
| Liquid Fuels Subtotal | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Natural Gas | 0.076 | 0.076 | 0.076 | 0.072 | 0.074 | 0.075 | 0.075 | 0.077 | 0.078 | 0.079 | 0.080 | 0.081 | 0.081 |
| Coal | 0.736 | 0.726 | 0.669 | 0.700 | 0.723 | 0.734 | 0.745 | 0.759 | 0.772 | 0.784 | 0.793 | 0.802 | 0.809 |
| Renewable Energy 3/ Electricity | 0.025 | 0.025 | 0.021 | 0.023 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Delivered Energy | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 |
| Electricity Related Losses | 0.603 | 0.615 | 0.617 | 0.626 | 0.636 | 0.644 | 0.653 | 0.663 | 0.675 | 0.688 | 0.700 | 0.710 | 0.721 |
| Total | 1.467 | 1.467 | 1.410 | 1.446 | 1.483 | 1.505 | 1.525 | 1.551 | 1.577 | 1.603 | 1.645 | 1.645 | 1.662 |
| Total | 1.417 | 1.445 | 1.542 | 1.560 | 1.592 | 1.632 | 1.655 | 1.679 | 1.663 | 1.693 | 1.743 | 1.756 | 1.779 |
| Total | 2.885 | 2.912 | 2.952 | 3.006 | 3.075 | 3.137 | 3.179 | 3.230 | 3.240 | 3.296 | 3.367 | 3.401 | 3.441 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.115 | 0.107 | 0.111 | 0.112 | 0.113 | 0.111 | 0.110 | 0.110 | 0.109 | 0.109 | 0.108 | 0.107 | 0.107 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.046 | 0.046 | 0.046 | 0.045 | 0.045 | 0.045 | 0.046 | 0.046 | 0.045 | 0.046 | 0.045 | 0.046 | 0.046 |
| Residual Fuel Oil | 0.172 | 0.171 | 0.182 | 0.174 | 0.170 | 0.168 | 0.165 | 0.165 | 0.165 | 0.165 | 0.164 | 0.164 | 0.164 |
| Petrochemical Feedstocks | 0.012 | 0.012 | 0.011 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.153 | 0.135 | 0.130 | 0.140 | 0.144 | 0.144 | 0.145 | 0.145 | 0.145 | 0.145 | 0.144 | 0.144 | 0.144 |
| Natural Gas | 0.657 | 0.666 | 0.653 | 0.618 | 0.589 | 0.581 | 0.580 | 0.579 | 0.586 | 0.590 | 0.592 | 0.592 | 0.590 |
| Natural-Gas-to-Liquids Heat and Power | 1.154 | 1.137 | 1.132 | 1.095 | 1.066 | 1.056 | 1.052 | 1.051 | 1.057 | 1.059 | 1.060 | 1.059 | 1.056 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 1.211 | 1.206 | 1.188 | 1.311 | 1.296 | 1.323 | 1.370 | 1.398 | 1.404 | 1.426 | 1.422 | 1.440 | 1.445 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Industrial Coal | 0.010 | 0.010 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 |
| Coal-to-Liquids Heat and Power | 1.221 | 1.215 | 1.199 | 1.321 | 1.306 | 1.333 | 1.380 | 1.407 | 1.414 | 1.435 | 1.432 | 1.450 | 1.455 |
| Net Coal Coke Imports | 0.285 | 0.272 | 0.285 | 0.266 | 0.261 | 0.255 | 0.251 | 0.246 | 0.242 | 0.238 | 0.235 | 0.231 | 0.227 |
| Coal Subtotal | 0.339 | 0.329 | 0.334 | 0.330 | 0.338 | 0.339 | 0.338 | 0.335 | 0.333 | 0.332 | 0.331 | 0.330 | 0.329 |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Renewable Energy 7/ Electricity | 0.986 | 0.327 | 0.371 | 0.156 | 0.155 | 0.153 | 0.152 | 0.151 | 0.150 | 0.150 | 0.149 | 0.148 | 0.147 |
| Delivered Energy | 1.610 | 0.928 | 0.990 | 0.752 | 0.753 | 0.747 | 0.741 | 0.732 | 0.726 | 0.720 | 0.714 | 0.709 | 0.703 |
| Electricity Related Losses | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Total | 0.181 | 0.159 | 0.172 | 0.175 | 0.175 | 0.176 | 0.178 | 0.181 | 0.184 | 0.187 | 0.189 | 0.192 | 0.195 |
| Total | 0.743 | 0.737 | 0.728 | 0.749 | 0.751 | 0.755 | 0.765 | 0.774 | 0.783 | 0.791 | 0.795 | 0.800 | 0.804 |
| Total | 5.122 | 4.422 | 4.538 | 4.445 | 4.506 | 4.680 | 4.805 | 4.852 | 4.886 | 4.919 | 4.921 | 4.946 | 4.952 |
| Total | 1.746 | 1.732 | 1.820 | 1.866 | 1.881 | 1.914 | 1.938 | 1.959 | 1.928 | 1.946 | 1.981 | 1.978 | 1.984 |
| Total | 6.868 | 6.154 | 6.358 | 6.311 | 6.387 | 6.593 | 6.743 | 6.811 | 6.814 | 6.865 | 6.902 | 6.924 | 6.937 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.005 | 0.006 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |

Table 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Eas North Central-03

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 2.651 | 2.649 | 2.677 | 2.635 | 2.608 | 2.592 | 2.584 | 2.597 | 2.611 | 2.628 | 2.649 | 2.670 | 2.691 |
| Jet Fuel 9/ | 0.288 | 0.287 | 0.290 | 0.298 | 0.307 | 0.320 | 0.336 | 0.341 | 0.344 | 0.346 | 0.348 | 0.349 | 0.351 |
| Distillate Fuel Oil 10/ | 0.919 | 0.932 | 0.956 | 0.970 | 0.977 | 0.986 | 0.996 | 1.011 | 1.024 | 1.036 | 1.045 | 1.054 | 1.064 |
| Residual Fuel Oil | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.023 | 0.025 | 0.024 | 0.025 | 0.025 | 0.025 | 0.025 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 |
| Liquid Fuels Subtotal | 3.889 | 3.903 | 3.959 | 3.938 | 3.928 | 3.933 | 3.952 | 3.984 | 4.015 | 4.045 | 4.077 | 4.109 | 4.142 |
| Pipeline Fuel Natural Gas | 0.063 | 0.062 | 0.057 | 0.065 | 0.065 | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 | 0.067 | 0.068 | 0.067 |
| Compressed Natural Gas | 0.004 | 0.005 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.011 |
| Electricity | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Delivered Energy | 3.958 | 3.972 | 4.026 | 4.013 | 4.003 | 4.010 | 4.029 | 4.062 | 4.094 | 4.125 | 4.158 | 4.190 | 4.223 |
| Electricity Related Losses | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Total | 3.965 | 3.978 | 4.033 | 4.020 | 4.011 | 4.018 | 4.037 | 4.070 | 4.101 | 4.133 | 4.166 | 4.198 | 4.231 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.280 | 0.265 | 0.275 | 0.276 | 0.277 | 0.276 | 0.276 | 0.277 | 0.278 | 0.279 | 0.279 | 0.280 | 0.281 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 2.702 | 2.699 | 2.728 | 2.685 | 2.657 | 2.642 | 2.635 | 2.647 | 2.661 | 2.678 | 2.699 | 2.720 | 2.741 |
| Jet Fuel 9/ | 0.288 | 0.287 | 0.290 | 0.298 | 0.307 | 0.320 | 0.336 | 0.341 | 0.344 | 0.346 | 0.348 | 0.349 | 0.351 |
| Kerosene | 0.012 | 0.013 | 0.012 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 |
| Distillate Fuel Oil | 1.174 | 1.194 | 1.228 | 1.230 | 1.233 | 1.240 | 1.249 | 1.264 | 1.279 | 1.292 | 1.301 | 1.310 | 1.320 |
| Residual Fuel Oil | 0.018 | 0.019 | 0.018 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.013 | 0.012 | 0.012 |
| Petrochemical Feedstocks | 0.153 | 0.135 | 0.130 | 0.140 | 0.144 | 0.144 | 0.145 | 0.145 | 0.145 | 0.145 | 0.144 | 0.144 | 0.144 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.679 | 0.690 | 0.676 | 0.641 | 0.612 | 0.605 | 0.603 | 0.602 | 0.609 | 0.613 | 0.615 | 0.614 | 0.612 |
| Liquid Fuels Subtotal | 5.305 | 5.302 | 5.356 | 5.290 | 5.253 | 5.249 | 5.265 | 5.298 | 5.339 | 5.374 | 5.409 | 5.440 | 5.471 |
| Natural Gas | 3.399 | 3.375 | 3.161 | 3.452 | 3.484 | 3.528 | 3.594 | 3.645 | 3.675 | 3.709 | 3.716 | 3.743 | 3.756 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.010 | 0.010 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 |
| Pipeline Natural Gas | 0.063 | 0.062 | 0.057 | 0.065 | 0.065 | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 | 0.067 | 0.068 | 0.067 |
| Natural Gas Subtotal | 3.471 | 3.447 | 3.230 | 3.528 | 3.559 | 3.604 | 3.670 | 3.721 | 3.751 | 3.786 | 3.792 | 3.820 | 3.833 |
| Metallurgical Coal | 0.285 | 0.272 | 0.285 | 0.266 | 0.261 | 0.255 | 0.251 | 0.246 | 0.242 | 0.238 | 0.235 | 0.231 | 0.227 |
| Other Coal | 0.366 | 0.357 | 0.358 | 0.355 | 0.365 | 0.366 | 0.365 | 0.362 | 0.360 | 0.359 | 0.358 | 0.357 | 0.356 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.986 | 0.327 | 0.371 | 0.156 | 0.155 | 0.153 | 0.152 | 0.151 | 0.150 | 0.150 | 0.149 | 0.148 | 0.147 |
| Coal Subtotal | 1.638 | 0.956 | 1.014 | 0.777 | 0.780 | 0.774 | 0.768 | 0.759 | 0.753 | 0.747 | 0.741 | 0.736 | 0.730 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.281 | 0.261 | 0.272 | 0.280 | 0.282 | 0.283 | 0.284 | 0.285 | 0.287 | 0.288 | 0.290 | 0.292 | 0.295 |
| Electricity | 1.960 | 2.021 | 2.016 | 2.054 | 2.078 | 2.098 | 2.126 | 2.152 | 2.183 | 2.208 | 2.230 | 2.252 | 2.274 |
| Delivered Energy | 12.869 | 12.231 | 12.204 | 12.283 | 12.406 | 12.620 | 12.802 | 12.924 | 13.034 | 13.130 | 13.193 | 13.276 | 13.344 |
| Electricity Related Losses | 4.607 | 4.748 | 5.039 | 5.118 | 5.203 | 5.315 | 5.387 | 5.447 | 5.374 | 5.433 | 5.554 | 5.567 | 5.614 |
| Total | 17.476 | 16.979 | 17.243 | 17.402 | 17.610 | 17.935 | 18.189 | 18.371 | 18.408 | 18.564 | 18.748 | 18.843 | 18.958 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.024 | 0.031 | 0.034 | 0.035 | 0.037 | 0.038 | 0.039 | 0.039 | 0.038 | 0.037 | 0.027 | 0.027 | 0.030 |
| Residual Fuel Oil | 0.020 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.006 | 0.006 | 0.006 | 0.006 |
| Liquid Fuels Subtotal | 0.044 | 0.035 | 0.038 | 0.039 | 0.040 | 0.042 | 0.043 | 0.043 | 0.042 | 0.043 | 0.033 | 0.033 | 0.035 |
| Natural Gas | 0.240 | 0.298 | 0.556 | 0.510 | 0.543 | 0.523 | 0.481 | 0.483 | 0.480 | 0.508 | 0.503 | 0.533 | 0.543 |
| Steam Coal | 4.648 | 4.793 | 4.814 | 4.881 | 4.956 | 5.088 | 5.230 | 5.321 | 5.280 | 5.344 | 5.498 | 5.483 | 5.539 |
| Nuclear Power | 1.544 | 1.538 | 1.534 | 1.605 | 1.600 | 1.588 | 1.588 | 1.591 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 |
| Renewable Energy 15/ | 0.103 | 0.114 | 0.123 | 0.142 | 0.147 | 0.175 | 0.175 | 0.164 | 0.165 | 0.158 | 0.162 | 0.180 | 0.181 |
| Electricity Imports | -0.011 | -0.008 | -0.009 | -0.006 | -0.005 | -0.002 | -0.004 | -0.003 | -0.004 | -0.005 | -0.004 | -0.003 | -0.003 |
| Total | 6.567 | 6.769 | 7.055 | 7.172 | 7.281 | 7.413 | 7.513 | 7.599 | 7.556 | 7.641 | 7.785 | 7.819 | 7.888 |

Table 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Eas North Central-03

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.280 | 0.265 | 0.275 | 0.276 | 0.277 | 0.276 | 0.276 | 0.277 | 0.278 | 0.279 | 0.279 | 0.280 | 0.281 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 2.702 | 2.699 | 2.728 | 2.685 | 2.657 | 2.642 | 2.635 | 2.647 | 2.661 | 2.678 | 2.699 | 2.720 | 2.741 |
| Jet Fuel 9/ | 0.288 | 0.287 | 0.290 | 0.298 | 0.307 | 0.320 | 0.336 | 0.341 | 0.344 | 0.346 | 0.348 | 0.349 | 0.351 |
| Kerosene | 0.012 | 0.013 | 0.012 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 |
| Distillate Fuel Oil | 1.198 | 1.225 | 1.262 | 1.265 | 1.270 | 1.278 | 1.288 | 1.303 | 1.317 | 1.329 | 1.328 | 1.337 | 1.349 |
| Residual Fuel Oil | 0.039 | 0.023 | 0.021 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.018 | 0.018 | 0.018 | 0.018 |
| Petrochemical Feedstocks | 0.153 | 0.135 | 0.130 | 0.140 | 0.144 | 0.144 | 0.145 | 0.145 | 0.145 | 0.145 | 0.144 | 0.144 | 0.144 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.679 | 0.690 | 0.676 | 0.641 | 0.612 | 0.605 | 0.603 | 0.602 | 0.609 | 0.613 | 0.615 | 0.614 | 0.612 |
| Liquid Fuels Subtotal | 5.350 | 5.337 | 5.394 | 5.329 | 5.293 | 5.290 | 5.308 | 5.341 | 5.381 | 5.417 | 5.442 | 5.473 | 5.507 |
| Natural Gas | 3.639 | 3.673 | 3.717 | 3.962 | 4.026 | 4.051 | 4.075 | 4.128 | 4.155 | 4.217 | 4.218 | 4.276 | 4.299 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.010 | 0.010 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 |
| Pipeline Natural Gas | 0.063 | 0.062 | 0.057 | 0.065 | 0.065 | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 | 0.067 | 0.068 | 0.067 |
| Natural Gas Subtotal | 3.711 | 3.745 | 3.785 | 4.038 | 4.102 | 4.127 | 4.151 | 4.204 | 4.232 | 4.294 | 4.295 | 4.353 | 4.376 |
| Metallurgical Coal | 0.285 | 0.272 | 0.285 | 0.266 | 0.261 | 0.255 | 0.251 | 0.246 | 0.242 | 0.238 | 0.235 | 0.231 | 0.227 |
| Other Coal | 5.015 | 5.150 | 5.171 | 5.237 | 5.322 | 5.454 | 5.595 | 5.683 | 5.641 | 5.703 | 5.856 | 5.839 | 5.896 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.986 | 0.327 | 0.371 | 0.156 | 0.155 | 0.153 | 0.152 | 0.151 | 0.150 | 0.150 | 0.149 | 0.148 | 0.147 |
| Coal Subtotal | 6.286 | 5.748 | 5.828 | 5.658 | 5.737 | 5.862 | 5.998 | 6.080 | 6.033 | 6.091 | 6.240 | 6.218 | 6.269 |
| Nuclear Power | 1.544 | 1.538 | 1.534 | 1.605 | 1.600 | 1.588 | 1.588 | 1.591 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.384 | 0.375 | 0.395 | 0.423 | 0.430 | 0.458 | 0.459 | 0.449 | 0.452 | 0.446 | 0.452 | 0.473 | 0.476 |
| Electricity Imports | -0.011 | -0.008 | -0.009 | -0.006 | -0.005 | -0.002 | -0.004 | -0.003 | -0.004 | -0.004 | -0.004 | -0.003 | -0.003 |
| Total | 17.476 | 16.979 | 17.243 | 17.402 | 17.610 | 17.935 | 18.189 | 18.371 | 18.408 | 18.564 | 18.748 | 18.843 | 18.958 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 12.869 | 12.231 | 12.204 | 12.283 | 12.406 | 12.620 | 12.802 | 12.924 | 13.034 | 13.130 | 13.193 | 13.276 | 13.344 |
| Total Energy Use | 17.476 | 16.979 | 17.243 | 17.402 | 17.610 | 17.935 | 18.189 | 18.371 | 18.408 | 18.564 | 18.748 | 18.843 | 18.958 |
| Population (millions) | 46.122 | 46.308 | 46.485 | 46.655 | 46.817 | 46.977 | 47.133 | 47.282 | 47.426 | 47.563 | 47.692 | 47.813 | 47.925 |
| Carbon Dioxide Emissions (million metric tons) | 1121.58 | 1075.19 | 1090.25 | 1082.02 | 1089.16 | 1100.33 | 1114.91 | 1128.07 | 1127.77 | 1139.02 | 1155.09 | 1158.18 | 1166.51 |

Table 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Eas North Central-03

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005- 2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.143 | 0.144 | 0.145 | 0.146 | 0.147 | 0.147 | 0.148 | 0.149 | 0.150 | 0.151 | 0.151 | 0.152 | 0.153 | 0.154 | 0.7% |
| Kerosene | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | -1.9% |
| Distillate Fuel Oil | 0.044 | 0.043 | 0.043 | 0.042 | 0.041 | 0.041 | 0.040 | 0.040 | 0.039 | 0.038 | 0.038 | 0.037 | 0.036 | 0.036 | -1.2% |
| Liquid Fuels Subtotal | 0.192 | 0.193 | 0.193 | 0.194 | 0.193 | 0.194 | 0.194 | 0.194 | 0.194 | 0.194 | 0.194 | 0.195 | 0.194 | 0.195 | 0.2% |
| Natural Gas | 1.482 | 1.479 | 1.477 | 1.478 | 1.472 | 1.467 | 1.461 | 1.458 | 1.449 | 1.444 | 1.439 | 1.436 | 1.425 | 1.419 | -0.1% |
| Coal | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | -1.0% |
| Renewable Energy 1/ Electricity | 0.073 | 0.073 | 0.073 | 0.073 | 0.072 | 0.072 | 0.071 | 0.071 | 0.071 | 0.070 | 0.070 | 0.070 | 0.069 | 0.069 | -0.4% |
| Delivered Energy | 0.751 | 0.758 | 0.765 | 0.774 | 0.777 | 0.783 | 0.789 | 0.796 | 0.800 | 0.806 | 0.812 | 0.820 | 0.822 | 0.827 | 0.9% |
| Electricity Related Losses | 2.501 | 2.505 | 2.510 | 2.521 | 2.516 | 2.517 | 2.517 | 2.522 | 2.516 | 2.517 | 2.518 | 2.522 | 2.513 | 2.512 | 0.2% |
| Total | 1.842 | 1.836 | 1.828 | 1.838 | 1.845 | 1.887 | 1.913 | 1.910 | 1.877 | 1.855 | 1.839 | 1.822 | 1.798 | 1.770 | 0.5% |
| Total | 4.344 | 4.340 | 4.338 | 4.359 | 4.362 | 4.404 | 4.430 | 4.432 | 4.393 | 4.373 | 4.357 | 4.344 | 4.311 | 4.282 | 0.3% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.3% |
| Motor Gasoline 2/ Kerosene | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.7% |
| Distillate Fuel Oil | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.4% |
| Residual Fuel Oil | 0.047 | 0.047 | 0.047 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.050 | 0.6% |
| Liquid Fuels Subtotal | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -0.5% |
| Natural Gas | 0.081 | 0.082 | 0.082 | 0.082 | 0.082 | 0.082 | 0.083 | 0.083 | 0.083 | 0.084 | 0.084 | 0.084 | 0.085 | 0.085 | 0.5% |
| Coal | 0.813 | 0.819 | 0.827 | 0.833 | 0.840 | 0.847 | 0.852 | 0.857 | 0.865 | 0.873 | 0.880 | 0.887 | 0.894 | 0.902 | 0.9% |
| Renewable Energy 3/ Electricity | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | N/A |
| Delivered Energy | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.0% |
| Electricity Related Losses | 0.730 | 0.740 | 0.749 | 0.759 | 0.769 | 0.779 | 0.790 | 0.800 | 0.813 | 0.825 | 0.839 | 0.853 | 0.867 | 0.880 | 1.4% |
| Total | 1.676 | 1.692 | 1.709 | 1.725 | 1.743 | 1.759 | 1.776 | 1.792 | 1.812 | 1.833 | 1.855 | 1.876 | 1.896 | 1.918 | 1.1% |
| Total | 1.792 | 1.792 | 1.790 | 1.802 | 1.826 | 1.878 | 1.917 | 1.919 | 1.906 | 1.899 | 1.900 | 1.896 | 1.894 | 1.883 | 1.1% |
| Total | 3.468 | 3.484 | 3.499 | 3.527 | 3.568 | 3.637 | 3.693 | 3.711 | 3.718 | 3.733 | 3.755 | 3.772 | 3.790 | 3.802 | 1.1% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.106 | 0.105 | 0.105 | 0.105 | 0.105 | 0.104 | 0.104 | 0.104 | 0.103 | 0.103 | 0.103 | 0.103 | 0.103 | 0.102 | -0.2% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 | 0.1% |
| Residual Fuel Oil | 0.163 | 0.163 | 0.162 | 0.162 | 0.162 | 0.161 | 0.160 | 0.160 | 0.159 | 0.160 | 0.160 | 0.159 | 0.159 | 0.160 | -0.3% |
| Petrochemical Feedstocks | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | -2.7% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.143 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.143 | 0.143 | 0.143 | 0.2% |
| Natural Gas | 0.591 | 0.586 | 0.586 | 0.590 | 0.587 | 0.585 | 0.587 | 0.586 | 0.586 | 0.588 | 0.588 | 0.586 | 0.584 | 0.582 | -0.5% |
| Natural-Gas-to-Liquids Heat and Power | 1.055 | 1.048 | 1.048 | 1.051 | 1.048 | 1.044 | 1.045 | 1.043 | 1.043 | 1.046 | 1.046 | 1.044 | 1.042 | 1.040 | -0.4% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 1.439 | 1.445 | 1.451 | 1.456 | 1.469 | 1.481 | 1.477 | 1.490 | 1.504 | 1.521 | 1.533 | 1.542 | 1.550 | 1.558 | 1.0% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.010 | 0.010 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | -0.1% |
| Coal-to-Liquids Heat and Power | 1.449 | 1.454 | 1.461 | 1.466 | 1.478 | 1.491 | 1.487 | 1.499 | 1.514 | 1.530 | 1.543 | 1.552 | 1.559 | 1.567 | 1.0% |
| Net Coal Coke Imports | 0.222 | 0.218 | 0.215 | 0.213 | 0.210 | 0.207 | 0.205 | 0.202 | 0.200 | 0.199 | 0.197 | 0.195 | 0.192 | 0.190 | -1.4% |
| Coal Subtotal | 0.328 | 0.327 | 0.327 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.327 | 0.327 | 0.327 | 0.328 | 0.328 | 0.328 | 0.0% |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.092 | 0.254 | 0.344 | 0.341 | 0.413 | 0.414 | 0.414 | N/A |
| Renewable Energy 7/ Electricity | 0.144 | 0.143 | 0.143 | 0.142 | 0.142 | 0.141 | 0.140 | 0.140 | 0.140 | 0.140 | 0.140 | 0.139 | 0.138 | 0.137 | -3.4% |
| Delivered Energy | 0.694 | 0.689 | 0.685 | 0.681 | 0.678 | 0.675 | 0.671 | 0.760 | 0.921 | 1.010 | 1.005 | 1.075 | 1.071 | 1.068 | 0.6% |
| Electricity Related Losses | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.856 | 0.866 | 0.876 | 0.876 | 5.2% |
| Total | 0.197 | 0.198 | 0.201 | 0.203 | 0.205 | 0.206 | 0.208 | 0.210 | 0.212 | 0.214 | 0.216 | 0.217 | 0.219 | 0.220 | 1.3% |
| Total | 0.804 | 0.801 | 0.802 | 0.803 | 0.804 | 0.806 | 0.804 | 0.804 | 0.807 | 0.810 | 0.814 | 0.816 | 0.814 | 0.816 | 0.4% |
| Total | 4.947 | 4.948 | 4.966 | 4.982 | 5.004 | 5.026 | 5.024 | 5.135 | 5.329 | 5.450 | 5.473 | 5.559 | 5.571 | 5.587 | 0.9% |
| Total | 1.971 | 1.940 | 1.917 | 1.907 | 1.910 | 1.942 | 1.950 | 1.927 | 1.894 | 1.864 | 1.842 | 1.813 | 1.780 | 1.746 | 0.0% |
| Total | 6.918 | 6.888 | 6.883 | 6.889 | 6.914 | 6.968 | 6.973 | 7.062 | 7.222 | 7.313 | 7.315 | 7.372 | 7.352 | 7.333 | 0.7% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 2.0% |

Table 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Eas North Central-03

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 11.6% |
| Motor Gasoline 2/ | 2.712 | 2.732 | 2.748 | 2.768 | 2.786 | 2.803 | 2.821 | 2.837 | 2.853 | 2.871 | 2.889 | 2.904 | 2.920 | 2.934 | 0.4% |
| Jet Fuel 9/ | 0.352 | 0.353 | 0.354 | 0.352 | 0.350 | 0.348 | 0.346 | 0.344 | 0.342 | 0.340 | 0.338 | 0.337 | 0.336 | 0.336 | 0.6% |
| Distillate Fuel Oil 10/ | 1.069 | 1.073 | 1.081 | 1.091 | 1.101 | 1.113 | 1.124 | 1.137 | 1.153 | 1.169 | 1.186 | 1.202 | 1.217 | 1.233 | 1.1% |
| Residual Fuel Oil | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | -0.6% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 42.1% |
| Other Petroleum 11/ | 0.024 | 0.024 | 0.024 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.022 | -0.5% |
| Liquid Fuels Subtotal | 4.169 | 4.194 | 4.219 | 4.247 | 4.274 | 4.300 | 4.328 | 4.355 | 4.385 | 4.418 | 4.451 | 4.481 | 4.512 | 4.542 | 0.6% |
| Pipeline Fuel Natural Gas | 0.067 | 0.067 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.067 | 0.067 | 0.067 | 0.067 | 0.3% |
| Compressed Natural Gas | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 4.4% |
| Electricity | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 1.3% |
| Delivered Energy | 4.250 | 4.275 | 4.302 | 4.330 | 4.358 | 4.384 | 4.412 | 4.439 | 4.469 | 4.502 | 4.535 | 4.566 | 4.596 | 4.626 | 0.6% |
| Electricity Related Losses | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 | 0.008 | 0.008 | 0.008 | 0.9% |
| Total | 4.258 | 4.283 | 4.310 | 4.338 | 4.366 | 4.393 | 4.421 | 4.448 | 4.477 | 4.511 | 4.543 | 4.574 | 4.604 | 4.634 | 0.6% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.281 | 0.281 | 0.282 | 0.283 | 0.284 | 0.284 | 0.285 | 0.286 | 0.286 | 0.287 | 0.288 | 0.289 | 0.289 | 0.290 | 0.4% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 11.6% |
| Motor Gasoline 2/ | 2.762 | 2.782 | 2.799 | 2.819 | 2.837 | 2.853 | 2.872 | 2.888 | 2.904 | 2.923 | 2.940 | 2.956 | 2.972 | 2.986 | 0.4% |
| Jet Fuel 9/ | 0.352 | 0.353 | 0.354 | 0.352 | 0.350 | 0.348 | 0.346 | 0.344 | 0.342 | 0.340 | 0.338 | 0.337 | 0.336 | 0.336 | 0.6% |
| Kerosene | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | -1.1% |
| Distillate Fuel Oil | 1.324 | 1.327 | 1.333 | 1.343 | 1.352 | 1.362 | 1.372 | 1.384 | 1.399 | 1.416 | 1.432 | 1.447 | 1.462 | 1.478 | 0.9% |
| Residual Fuel Oil | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | -1.8% |
| Petrochemical Feedstocks | 0.143 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.143 | 0.143 | 0.143 | 0.2% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 42.1% |
| Other Petroleum 12/ | 0.613 | 0.608 | 0.608 | 0.612 | 0.609 | 0.607 | 0.608 | 0.607 | 0.607 | 0.610 | 0.609 | 0.608 | 0.605 | 0.603 | -0.5% |
| Liquid Fuels Subtotal | 5.498 | 5.516 | 5.542 | 5.574 | 5.598 | 5.620 | 5.649 | 5.675 | 5.704 | 5.742 | 5.774 | 5.804 | 5.833 | 5.861 | 0.4% |
| Natural Gas | 3.746 | 3.754 | 3.767 | 3.779 | 3.793 | 3.807 | 3.803 | 3.817 | 3.830 | 3.850 | 3.866 | 3.878 | 3.882 | 3.892 | 0.6% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.010 | 0.010 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | -0.1% |
| Pipeline Natural Gas | 0.067 | 0.067 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.067 | 0.067 | 0.067 | 0.067 | 0.3% |
| Natural Gas Subtotal | 3.822 | 3.831 | 3.844 | 3.856 | 3.870 | 3.885 | 3.880 | 3.895 | 3.907 | 3.927 | 3.942 | 3.955 | 3.958 | 3.968 | 0.6% |
| Metallurgical Coal | 0.222 | 0.218 | 0.215 | 0.213 | 0.210 | 0.207 | 0.205 | 0.202 | 0.200 | 0.199 | 0.197 | 0.195 | 0.192 | 0.190 | -1.4% |
| Other Coal | 0.356 | 0.354 | 0.354 | 0.353 | 0.353 | 0.353 | 0.353 | 0.353 | 0.354 | 0.354 | 0.354 | 0.355 | 0.355 | 0.355 | 0.0% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.092 | 0.254 | 0.344 | 0.341 | 0.413 | 0.414 | 0.414 | N/A |
| Net Coal Coke Imports | 0.144 | 0.143 | 0.143 | 0.142 | 0.142 | 0.141 | 0.140 | 0.140 | 0.140 | 0.140 | 0.140 | 0.139 | 0.138 | 0.137 | -3.4% |
| Coal Subtotal | 0.721 | 0.716 | 0.712 | 0.708 | 0.705 | 0.702 | 0.698 | 0.787 | 0.948 | 1.036 | 1.032 | 1.102 | 1.098 | 1.095 | 0.5% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.297 | 0.298 | 0.300 | 0.302 | 0.303 | 0.305 | 0.306 | 0.307 | 0.309 | 0.311 | 0.313 | 0.314 | 0.315 | 0.316 | 0.8% |
| Electricity | 2.288 | 2.301 | 2.320 | 2.339 | 2.353 | 2.371 | 2.386 | 2.404 | 2.424 | 2.445 | 2.469 | 2.492 | 2.507 | 2.528 | 0.9% |
| Delivered Energy | 13.374 | 13.420 | 13.487 | 13.558 | 13.621 | 13.687 | 13.729 | 13.888 | 14.126 | 14.303 | 14.381 | 14.523 | 14.577 | 14.644 | 0.7% |
| Electricity Related Losses | 5.614 | 5.576 | 5.544 | 5.555 | 5.589 | 5.715 | 5.789 | 5.765 | 5.685 | 5.627 | 5.589 | 5.539 | 5.480 | 5.407 | 0.5% |
| Total | 18.988 | 18.996 | 19.031 | 19.113 | 19.210 | 19.403 | 19.518 | 19.653 | 19.811 | 19.930 | 19.970 | 20.062 | 20.057 | 20.051 | 0.7% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.031 | 0.032 | 0.031 | 0.031 | 0.032 | 0.032 | 0.033 | 0.034 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.034 | 0.3% |
| Residual Fuel Oil | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 1.9% |
| Liquid Fuels Subtotal | 0.037 | 0.038 | 0.037 | 0.037 | 0.038 | 0.038 | 0.038 | 0.039 | 0.039 | 0.039 | 0.040 | 0.040 | 0.040 | 0.040 | 0.5% |
| Natural Gas | 0.533 | 0.543 | 0.566 | 0.606 | 0.629 | 0.672 | 0.702 | 0.689 | 0.641 | 0.605 | 0.585 | 0.552 | 0.512 | 0.512 | 2.2% |
| Steam Coal | 5.538 | 5.490 | 5.467 | 5.466 | 5.499 | 5.593 | 5.625 | 5.614 | 5.600 | 5.601 | 5.607 | 5.616 | 5.640 | 5.676 | 0.7% |
| Nuclear Power | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.521 | 0.0% |
| Renewable Energy 15/ | 0.205 | 0.218 | 0.206 | 0.196 | 0.188 | 0.196 | 0.222 | 0.238 | 0.240 | 0.239 | 0.238 | 0.235 | 0.206 | 0.190 | 2.1% |
| Electricity Imports | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.005 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -2.6% |
| Total | 7.902 | 7.877 | 7.864 | 7.894 | 7.942 | 8.087 | 8.175 | 8.169 | 8.109 | 8.072 | 8.058 | 8.031 | 7.987 | 7.935 | 0.6% |

Table 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Eas North Central-03

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.281 | 0.281 | 0.282 | 0.283 | 0.284 | 0.284 | 0.285 | 0.286 | 0.286 | 0.287 | 0.288 | 0.289 | 0.289 | 0.290 | 0.4% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 11.6% |
| Motor Gasoline 2/ | 2.762 | 2.782 | 2.799 | 2.819 | 2.837 | 2.853 | 2.872 | 2.888 | 2.904 | 2.923 | 2.940 | 2.956 | 2.972 | 2.986 | 0.4% |
| Jet Fuel 9/ | 0.352 | 0.353 | 0.354 | 0.352 | 0.350 | 0.348 | 0.346 | 0.344 | 0.342 | 0.340 | 0.338 | 0.337 | 0.336 | 0.336 | 0.6% |
| Kerosene | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | -1.1% |
| Distillate Fuel Oil | 1.355 | 1.359 | 1.365 | 1.374 | 1.384 | 1.394 | 1.405 | 1.418 | 1.433 | 1.449 | 1.466 | 1.482 | 1.497 | 1.512 | 0.8% |
| Residual Fuel Oil | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | -0.9% |
| Petrochemical Feedstocks | 0.143 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.142 | 0.143 | 0.143 | 0.2% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 42.1% |
| Other Petroleum 12/ | 0.613 | 0.608 | 0.608 | 0.612 | 0.609 | 0.607 | 0.608 | 0.607 | 0.610 | 0.609 | 0.608 | 0.608 | 0.605 | 0.603 | -0.5% |
| Liquid Fuels Subtotal | 5.535 | 5.554 | 5.579 | 5.612 | 5.636 | 5.658 | 5.688 | 5.714 | 5.744 | 5.781 | 5.815 | 5.844 | 5.873 | 5.901 | 0.4% |
| Natural Gas | 4.279 | 4.297 | 4.333 | 4.385 | 4.421 | 4.479 | 4.504 | 4.506 | 4.472 | 4.455 | 4.450 | 4.430 | 4.394 | 4.404 | 0.7% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.010 | 0.010 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | -0.1% |
| Pipeline Natural Gas | 0.067 | 0.067 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.067 | 0.067 | 0.067 | 0.3% |
| Natural Gas Subtotal | 4.355 | 4.374 | 4.410 | 4.462 | 4.499 | 4.557 | 4.582 | 4.584 | 4.549 | 4.532 | 4.527 | 4.507 | 4.471 | 4.480 | 0.7% |
| Metallurgical Coal | 0.222 | 0.218 | 0.215 | 0.213 | 0.210 | 0.207 | 0.205 | 0.202 | 0.200 | 0.199 | 0.197 | 0.195 | 0.192 | 0.190 | -1.4% |
| Other Coal | 5.894 | 5.845 | 5.820 | 5.819 | 5.853 | 5.946 | 5.978 | 5.968 | 5.954 | 5.955 | 5.961 | 5.971 | 5.995 | 6.030 | 0.6% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.092 | 0.254 | 0.344 | 0.341 | 0.413 | 0.414 | 0.414 | N/A |
| Net Coal Coke Imports | 0.144 | 0.143 | 0.143 | 0.142 | 0.142 | 0.141 | 0.140 | 0.140 | 0.140 | 0.140 | 0.140 | 0.139 | 0.138 | 0.137 | -3.4% |
| Coal Subtotal | 6.260 | 6.206 | 6.178 | 6.174 | 6.205 | 6.295 | 6.323 | 6.402 | 6.548 | 6.638 | 6.639 | 6.718 | 6.738 | 6.770 | 0.7% |
| Nuclear Power | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.592 | 1.521 | 0.0% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 0.502 | 0.516 | 0.506 | 0.498 | 0.492 | 0.500 | 0.528 | 0.546 | 0.550 | 0.550 | 0.551 | 0.549 | 0.521 | 0.506 | 1.2% |
| Electricity Imports | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.005 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -0.004 | -2.6% |
| Total | 18.988 | 18.996 | 19.031 | 19.113 | 19.210 | 19.403 | 19.518 | 19.653 | 19.811 | 19.930 | 19.970 | 20.062 | 20.057 | 20.051 | 0.7% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 13.374 | 13.420 | 13.487 | 13.558 | 13.621 | 13.687 | 13.729 | 13.888 | 14.126 | 14.303 | 14.381 | 14.523 | 14.577 | 14.644 | 0.7% |
| Total Energy Use | 18.988 | 18.996 | 19.031 | 19.113 | 19.210 | 19.403 | 19.518 | 19.653 | 19.811 | 19.930 | 19.970 | 20.062 | 20.057 | 20.051 | 0.7% |
| Population (millions) | 48.028 | 48.121 | 48.204 | 48.278 | 48.343 | 48.400 | 48.450 | 48.493 | 48.529 | 48.563 | 48.596 | 48.628 | 48.658 | 48.688 | 0.2% |
| Carbon Dioxide Emissions (million metric tons) | 1166.53 | 1163.86 | 1164.71 | 1169.13 | 1175.53 | 1188.67 | 1194.75 | 1203.92 | 1217.52 | 1227.43 | 1229.47 | 1237.93 | 1239.87 | 1245.30 | 0.6% |

Table 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Eas North Central-03

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West North Central-04

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.084 | 0.079 | 0.082 | 0.083 | 0.082 | 0.082 | 0.081 | 0.081 | 0.081 | 0.081 | 0.081 | 0.081 | 0.081 |
| Kerosene | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Distillate Fuel Oil | 0.021 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 |
| Liquid Fuels Subtotal | 0.106 | 0.104 | 0.106 | 0.107 | 0.107 | 0.106 | 0.107 | 0.107 | 0.107 | 0.106 | 0.106 | 0.106 | 0.106 |
| Natural Gas | 0.450 | 0.441 | 0.401 | 0.446 | 0.454 | 0.457 | 0.460 | 0.464 | 0.468 | 0.470 | 0.471 | 0.473 | 0.475 |
| Coal | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Renewable Energy 1/ Electricity | 0.237 | 0.243 | 0.244 | 0.246 | 0.254 | 0.259 | 0.264 | 0.268 | 0.274 | 0.278 | 0.283 | 0.288 | 0.294 |
| Delivered Energy | 0.899 | 0.914 | 0.876 | 0.927 | 0.942 | 0.949 | 0.957 | 0.965 | 0.976 | 0.980 | 0.986 | 0.993 | 1.001 |
| Electricity Related Losses | 0.796 | 0.848 | 0.840 | 0.857 | 0.864 | 0.859 | 0.869 | 0.873 | 0.880 | 0.899 | 0.908 | 0.905 | 0.913 |
| Total | 1.695 | 1.762 | 1.715 | 1.783 | 1.807 | 1.808 | 1.827 | 1.838 | 1.856 | 1.880 | 1.894 | 1.897 | 1.914 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.015 | 0.015 | 0.015 | 0.014 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 |
| Motor Gasoline 2/ Kerosene | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Distillate Fuel Oil | 0.019 | 0.019 | 0.018 | 0.019 | 0.019 | 0.020 | 0.020 | 0.021 | 0.021 | 0.022 | 0.022 | 0.022 | 0.022 |
| Residual Fuel Oil | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Liquid Fuels Subtotal | 0.046 | 0.046 | 0.045 | 0.044 | 0.046 | 0.047 | 0.047 | 0.048 | 0.048 | 0.049 | 0.049 | 0.050 | 0.050 |
| Natural Gas | 0.294 | 0.287 | 0.270 | 0.283 | 0.294 | 0.299 | 0.304 | 0.311 | 0.317 | 0.323 | 0.327 | 0.332 | 0.335 |
| Coal | 0.015 | 0.016 | 0.013 | 0.014 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 |
| Renewable Energy 3/ Electricity | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Delivered Energy | 0.315 | 0.319 | 0.323 | 0.328 | 0.338 | 0.343 | 0.347 | 0.352 | 0.358 | 0.365 | 0.371 | 0.377 | 0.382 |
| Electricity Related Losses | 0.679 | 0.675 | 0.658 | 0.678 | 0.701 | 0.712 | 0.721 | 0.734 | 0.746 | 0.759 | 0.770 | 0.781 | 0.790 |
| Total | 1.470 | 1.463 | 1.446 | 1.490 | 1.526 | 1.533 | 1.551 | 1.569 | 1.590 | 1.627 | 1.649 | 1.660 | 1.677 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.128 | 0.120 | 0.123 | 0.126 | 0.127 | 0.126 | 0.125 | 0.124 | 0.124 | 0.123 | 0.122 | 0.121 | 0.121 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.041 | 0.041 | 0.041 | 0.040 | 0.040 | 0.040 | 0.041 | 0.041 | 0.040 | 0.041 | 0.040 | 0.041 | 0.041 |
| Residual Fuel Oil | 0.010 | 0.010 | 0.009 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Petrochemical Feedstocks | 0.033 | 0.029 | 0.028 | 0.030 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.305 | 0.296 | 0.293 | 0.241 | 0.231 | 0.229 | 0.228 | 0.228 | 0.230 | 0.232 | 0.232 | 0.233 | 0.232 |
| Natural Gas | 0.698 | 0.676 | 0.687 | 0.627 | 0.615 | 0.608 | 0.605 | 0.604 | 0.605 | 0.605 | 0.605 | 0.604 | 0.603 |
| Natural-Gas-to-Liquids Heat and Power | 0.434 | 0.440 | 0.456 | 0.533 | 0.568 | 0.630 | 0.633 | 0.639 | 0.640 | 0.646 | 0.644 | 0.648 | 0.649 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Metallurgical Coal | 0.024 | 0.022 | 0.032 | 0.031 | 0.032 | 0.032 | 0.033 | 0.033 | 0.033 | 0.032 | 0.033 | 0.033 | 0.033 |
| Other Industrial Coal | 0.459 | 0.463 | 0.487 | 0.564 | 0.600 | 0.662 | 0.666 | 0.672 | 0.673 | 0.678 | 0.677 | 0.681 | 0.683 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.227 | 0.229 | 0.248 | 0.227 | 0.229 | 0.229 | 0.229 | 0.227 | 0.226 | 0.225 | 0.225 | 0.224 | 0.224 |
| Coal Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | 0.044 | 0.044 | 0.060 | 0.060 | 0.060 |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Renewable Energy 7/ Electricity | 0.227 | 0.229 | 0.248 | 0.227 | 0.229 | 0.229 | 0.229 | 0.266 | 0.270 | 0.269 | 0.285 | 0.285 | 0.284 |
| Delivered Energy | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Electricity Related Losses | 0.070 | 0.065 | 0.068 | 0.069 | 0.069 | 0.069 | 0.069 | 0.070 | 0.071 | 0.071 | 0.072 | 0.072 | 0.073 |
| Total | 0.268 | 0.278 | 0.285 | 0.280 | 0.284 | 0.291 | 0.293 | 0.296 | 0.299 | 0.302 | 0.303 | 0.305 | 0.306 |
| Delivered Energy | 1.933 | 1.956 | 2.090 | 2.120 | 2.250 | 2.473 | 2.550 | 2.615 | 2.639 | 2.653 | 2.672 | 2.683 | 2.689 |
| Electricity Related Losses | 0.672 | 0.688 | 0.694 | 0.692 | 0.694 | 0.697 | 0.700 | 0.701 | 0.704 | 0.718 | 0.719 | 0.711 | 0.710 |
| Total | 2.606 | 2.644 | 2.784 | 2.812 | 2.945 | 3.170 | 3.250 | 3.317 | 3.343 | 3.370 | 3.391 | 3.394 | 3.399 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.002 | 0.002 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 |

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West North Central-04

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.264 | 1.263 | 1.276 | 1.276 | 1.278 | 1.284 | 1.293 | 1.306 | 1.320 | 1.334 | 1.350 | 1.366 | 1.382 |
| Jet Fuel 9/ | 0.152 | 0.151 | 0.153 | 0.158 | 0.163 | 0.169 | 0.178 | 0.181 | 0.183 | 0.184 | 0.186 | 0.187 | 0.189 |
| Distillate Fuel Oil 10/ | 0.504 | 0.511 | 0.524 | 0.534 | 0.540 | 0.548 | 0.556 | 0.566 | 0.576 | 0.584 | 0.591 | 0.599 | 0.606 |
| Residual Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.012 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 |
| Liquid Fuels Subtotal | 1.934 | 1.942 | 1.972 | 1.984 | 1.998 | 2.018 | 2.044 | 2.070 | 2.095 | 2.120 | 2.145 | 2.170 | 2.195 |
| Pipeline Fuel Natural Gas | 0.095 | 0.093 | 0.085 | 0.097 | 0.099 | 0.101 | 0.100 | 0.100 | 0.099 | 0.099 | 0.098 | 0.098 | 0.098 |
| Compressed Natural Gas | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.007 |
| Electricity | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Delivered Energy | 2.032 | 2.038 | 2.060 | 2.085 | 2.102 | 2.124 | 2.149 | 2.175 | 2.200 | 2.226 | 2.250 | 2.275 | 2.300 |
| Electricity Related Losses | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Total | 2.033 | 2.039 | 2.062 | 2.087 | 2.103 | 2.125 | 2.150 | 2.177 | 2.201 | 2.227 | 2.252 | 2.276 | 2.301 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.229 | 0.217 | 0.226 | 0.227 | 0.228 | 0.226 | 0.224 | 0.224 | 0.223 | 0.223 | 0.222 | 0.221 | 0.220 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.313 | 1.312 | 1.325 | 1.324 | 1.326 | 1.333 | 1.342 | 1.355 | 1.369 | 1.383 | 1.399 | 1.415 | 1.431 |
| Jet Fuel 9/ | 0.152 | 0.151 | 0.153 | 0.158 | 0.163 | 0.169 | 0.178 | 0.181 | 0.183 | 0.184 | 0.186 | 0.187 | 0.189 |
| Kerosene | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Distillate Fuel Oil | 0.725 | 0.733 | 0.757 | 0.759 | 0.762 | 0.768 | 0.774 | 0.785 | 0.794 | 0.803 | 0.810 | 0.817 | 0.824 |
| Residual Fuel Oil | 0.014 | 0.014 | 0.013 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| Petrochemical Feedstocks | 0.033 | 0.029 | 0.028 | 0.030 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.317 | 0.309 | 0.306 | 0.254 | 0.244 | 0.242 | 0.241 | 0.241 | 0.243 | 0.245 | 0.245 | 0.246 | 0.245 |
| Liquid Fuels Subtotal | 2.784 | 2.767 | 2.810 | 2.763 | 2.766 | 2.781 | 2.802 | 2.828 | 2.855 | 2.881 | 2.906 | 2.929 | 2.953 |
| Natural Gas | 1.180 | 1.171 | 1.129 | 1.266 | 1.320 | 1.390 | 1.402 | 1.419 | 1.431 | 1.444 | 1.449 | 1.460 | 1.466 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.024 | 0.022 | 0.032 | 0.031 | 0.032 | 0.032 | 0.033 | 0.033 | 0.033 | 0.032 | 0.033 | 0.033 | 0.033 |
| Pipeline Natural Gas | 0.095 | 0.093 | 0.085 | 0.097 | 0.099 | 0.101 | 0.100 | 0.100 | 0.099 | 0.099 | 0.098 | 0.098 | 0.098 |
| Natural Gas Subtotal | 1.300 | 1.287 | 1.245 | 1.394 | 1.451 | 1.523 | 1.535 | 1.552 | 1.562 | 1.576 | 1.580 | 1.591 | 1.598 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 0.244 | 0.246 | 0.263 | 0.243 | 0.246 | 0.246 | 0.246 | 0.244 | 0.243 | 0.242 | 0.242 | 0.241 | 0.241 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | 0.044 | 0.044 | 0.060 | 0.060 | 0.060 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.244 | 0.246 | 0.263 | 0.243 | 0.246 | 0.246 | 0.246 | 0.283 | 0.287 | 0.286 | 0.302 | 0.302 | 0.301 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.100 | 0.096 | 0.099 | 0.102 | 0.102 | 0.102 | 0.102 | 0.102 | 0.103 | 0.103 | 0.104 | 0.104 | 0.105 |
| Electricity | 0.901 | 0.941 | 0.952 | 0.955 | 0.977 | 0.993 | 1.005 | 1.017 | 1.032 | 1.045 | 1.057 | 1.070 | 1.083 |
| Delivered Energy | 5.543 | 5.582 | 5.684 | 5.810 | 5.995 | 6.258 | 6.378 | 6.490 | 6.561 | 6.618 | 6.679 | 6.731 | 6.780 |
| Electricity Related Losses | 2.260 | 2.326 | 2.323 | 2.362 | 2.385 | 2.378 | 2.400 | 2.411 | 2.429 | 2.486 | 2.507 | 2.496 | 2.511 |
| Total | 7.803 | 7.908 | 8.007 | 8.173 | 8.380 | 8.636 | 8.777 | 8.901 | 8.990 | 9.104 | 9.186 | 9.227 | 9.291 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.011 | 0.013 | 0.015 | 0.016 | 0.016 | 0.017 | 0.017 | 0.017 | 0.018 | 0.018 | 0.015 | 0.012 | 0.013 |
| Residual Fuel Oil | 0.012 | 0.012 | 0.000 | 0.000 | 0.001 | 0.001 | 0.011 | 0.011 | 0.012 | 0.012 | 0.013 | 0.013 | 0.013 |
| Liquid Fuels Subtotal | 0.023 | 0.025 | 0.015 | 0.016 | 0.017 | 0.017 | 0.028 | 0.028 | 0.030 | 0.030 | 0.028 | 0.025 | 0.026 |
| Natural Gas | 0.062 | 0.107 | 0.053 | 0.045 | 0.073 | 0.061 | 0.048 | 0.046 | 0.037 | 0.059 | 0.063 | 0.066 | 0.075 |
| Steam Coal | 2.458 | 2.480 | 2.506 | 2.546 | 2.556 | 2.578 | 2.596 | 2.620 | 2.654 | 2.699 | 2.728 | 2.734 | 2.747 |
| Nuclear Power | 0.471 | 0.479 | 0.478 | 0.478 | 0.476 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 |
| Renewable Energy 15/ | 0.138 | 0.146 | 0.189 | 0.211 | 0.222 | 0.235 | 0.246 | 0.249 | 0.253 | 0.253 | 0.256 | 0.258 | 0.260 |
| Electricity Imports | 0.009 | 0.030 | 0.033 | 0.021 | 0.018 | 0.007 | 0.013 | 0.012 | 0.014 | 0.017 | 0.014 | 0.010 | 0.012 |
| Total | 3.161 | 3.267 | 3.275 | 3.317 | 3.362 | 3.371 | 3.405 | 3.428 | 3.461 | 3.531 | 3.564 | 3.566 | 3.593 |

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West North Central-04

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.229 | 0.217 | 0.226 | 0.227 | 0.228 | 0.226 | 0.224 | 0.224 | 0.223 | 0.223 | 0.222 | 0.221 | 0.220 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.313 | 1.312 | 1.325 | 1.324 | 1.326 | 1.333 | 1.342 | 1.355 | 1.369 | 1.383 | 1.399 | 1.415 | 1.431 |
| Jet Fuel 9/ | 0.152 | 0.151 | 0.153 | 0.158 | 0.163 | 0.169 | 0.178 | 0.181 | 0.183 | 0.184 | 0.186 | 0.187 | 0.189 |
| Kerosene | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Distillate Fuel Oil | 0.736 | 0.746 | 0.772 | 0.775 | 0.779 | 0.785 | 0.791 | 0.802 | 0.812 | 0.821 | 0.825 | 0.829 | 0.837 |
| Residual Fuel Oil | 0.026 | 0.026 | 0.014 | 0.009 | 0.009 | 0.010 | 0.020 | 0.020 | 0.021 | 0.021 | 0.022 | 0.021 | 0.022 |
| Petrochemical Feedstocks | 0.033 | 0.029 | 0.028 | 0.030 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.317 | 0.309 | 0.306 | 0.254 | 0.244 | 0.242 | 0.241 | 0.241 | 0.243 | 0.245 | 0.245 | 0.246 | 0.245 |
| Liquid Fuels Subtotal | 2.807 | 2.791 | 2.825 | 2.779 | 2.783 | 2.798 | 2.830 | 2.856 | 2.886 | 2.911 | 2.934 | 2.954 | 2.979 |
| Natural Gas | 1.242 | 1.278 | 1.182 | 1.311 | 1.393 | 1.451 | 1.450 | 1.465 | 1.467 | 1.503 | 1.512 | 1.526 | 1.542 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.024 | 0.022 | 0.032 | 0.031 | 0.032 | 0.032 | 0.033 | 0.033 | 0.033 | 0.032 | 0.033 | 0.033 | 0.033 |
| Pipeline Natural Gas | 0.095 | 0.093 | 0.085 | 0.097 | 0.099 | 0.101 | 0.100 | 0.100 | 0.099 | 0.099 | 0.099 | 0.098 | 0.098 |
| Natural Gas Subtotal | 1.362 | 1.394 | 1.299 | 1.439 | 1.524 | 1.584 | 1.583 | 1.598 | 1.599 | 1.635 | 1.643 | 1.657 | 1.673 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 2.701 | 2.727 | 2.769 | 2.789 | 2.801 | 2.824 | 2.841 | 2.864 | 2.897 | 2.941 | 2.970 | 2.975 | 2.988 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | 0.044 | 0.044 | 0.060 | 0.060 | 0.060 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 2.701 | 2.727 | 2.769 | 2.789 | 2.801 | 2.824 | 2.841 | 2.904 | 2.941 | 2.985 | 3.030 | 3.035 | 3.048 |
| Nuclear Power | 0.471 | 0.479 | 0.478 | 0.478 | 0.476 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.238 | 0.243 | 0.288 | 0.312 | 0.324 | 0.337 | 0.348 | 0.351 | 0.356 | 0.357 | 0.360 | 0.362 | 0.365 |
| Electricity Imports | 0.009 | 0.030 | 0.033 | 0.021 | 0.018 | 0.007 | 0.013 | 0.012 | 0.014 | 0.017 | 0.014 | 0.010 | 0.012 |
| Total | 7.803 | 7.908 | 8.007 | 8.173 | 8.380 | 8.636 | 8.777 | 8.901 | 8.990 | 9.104 | 9.186 | 9.227 | 9.291 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 5.543 | 5.582 | 5.684 | 5.810 | 5.995 | 6.258 | 6.378 | 6.490 | 6.561 | 6.618 | 6.679 | 6.731 | 6.780 |
| Total Energy Use | 7.803 | 7.908 | 8.007 | 8.173 | 8.380 | 8.636 | 8.777 | 8.901 | 8.990 | 9.104 | 9.186 | 9.227 | 9.291 |
| Population (millions) | 19.737 | 19.845 | 19.952 | 20.057 | 20.160 | 20.264 | 20.366 | 20.467 | 20.566 | 20.662 | 20.757 | 20.848 | 20.936 |
| Carbon Dioxide Emissions (million metric tons) | 503.26 | 507.46 | 508.96 | 514.72 | 520.09 | 525.55 | 529.14 | 537.73 | 543.35 | 551.10 | 557.51 | 559.96 | 563.84 |

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West North Central-04

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.079 | 0.079 | 0.079 | 0.079 | 0.079 | 0.079 | 0.079 | 0.079 | 0.078 | -0.1% |
| Kerosene | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 3.1% |
| Distillate Fuel Oil | 0.023 | 0.023 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.020 | 0.020 | -0.6% |
| Liquid Fuels Subtotal | 0.105 | 0.105 | 0.104 | 0.104 | 0.104 | 0.103 | 0.103 | 0.103 | 0.102 | 0.102 | 0.102 | 0.101 | 0.101 | 0.100 | -0.1% |
| Natural Gas | 0.474 | 0.475 | 0.477 | 0.479 | 0.479 | 0.479 | 0.479 | 0.480 | 0.480 | 0.480 | 0.481 | 0.482 | 0.481 | 0.481 | 0.3% |
| Coal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -1.1% |
| Renewable Energy 1/ Electricity | 0.25 0.397 | 0.25 0.402 | 0.25 0.407 | 0.25 0.413 | 0.25 0.416 | 0.25 0.420 | 0.25 0.424 | 0.25 0.429 | 0.25 0.432 | 0.24 0.436 | 0.24 0.440 | 0.25 0.445 | 0.24 0.448 | 0.24 0.451 | 0.2% 1.1% |
| Delivered Energy | 1.003 | 1.008 | 1.014 | 1.023 | 1.024 | 1.028 | 1.032 | 1.039 | 1.040 | 1.045 | 1.049 | 1.055 | 1.055 | 1.058 | 0.6% |
| Electricity Related Losses | 0.923 | 0.925 | 0.938 | 0.959 | 0.978 | 0.990 | 1.002 | 1.022 | 1.027 | 1.041 | 1.051 | 1.068 | 1.084 | 1.099 | 1.0% |
| Total | 1.926 | 1.933 | 1.952 | 1.981 | 2.002 | 2.018 | 2.034 | 2.060 | 2.067 | 2.086 | 2.100 | 2.123 | 2.139 | 2.157 | 0.8% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.015 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.2% |
| Motor Gasoline 2/ Kerosene | 0.008 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.009 0.000 | 0.6% 1.1% |
| Distillate Fuel Oil | 0.022 | 0.022 | 0.022 | 0.022 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.024 | 0.024 | 0.9% |
| Residual Fuel Oil | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | -0.7% |
| Liquid Fuels Subtotal | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.051 | 0.051 | 0.051 | 0.051 | 0.052 | 0.052 | 0.052 | 0.052 | 0.5% |
| Natural Gas | 0.338 | 0.341 | 0.345 | 0.348 | 0.352 | 0.355 | 0.357 | 0.360 | 0.363 | 0.367 | 0.370 | 0.373 | 0.377 | 0.380 | 1.1% |
| Coal | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.0% |
| Renewable Energy 3/ Electricity | 0.008 0.388 | 0.008 0.394 | 0.008 0.399 | 0.008 0.405 | 0.008 0.410 | 0.008 0.416 | 0.008 0.422 | 0.008 0.428 | 0.008 0.434 | 0.008 0.440 | 0.008 0.447 | 0.008 0.454 | 0.008 0.461 | 0.008 0.468 | 0.0% 1.5% |
| Delivered Energy | 0.798 | 0.807 | 0.817 | 0.826 | 0.835 | 0.844 | 0.853 | 0.862 | 0.871 | 0.882 | 0.892 | 0.902 | 0.912 | 0.923 | 1.3% |
| Electricity Related Losses | 0.901 | 0.906 | 0.919 | 0.939 | 0.965 | 0.981 | 0.997 | 1.018 | 1.030 | 1.051 | 1.067 | 1.089 | 1.116 | 1.140 | 1.5% |
| Total | 1.699 | 1.713 | 1.736 | 1.765 | 1.800 | 1.825 | 1.850 | 1.879 | 1.901 | 1.932 | 1.959 | 1.991 | 2.028 | 2.063 | 1.4% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.120 | 0.119 | 0.119 | 0.119 | 0.118 | 0.118 | 0.118 | 0.117 | 0.117 | 0.116 | 0.116 | 0.116 | 0.116 | 0.116 | -0.1% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.041 0.173 | 0.041 0.172 | 0.041 0.171 | 0.041 0.171 | 0.041 0.171 | 0.041 0.170 | 0.041 0.169 | 0.041 0.169 | 0.041 0.168 | 0.042 0.169 | 0.042 0.169 | 0.042 0.168 | 0.042 0.168 | 0.042 0.169 | 0.1% -0.3% |
| Residual Fuel Oil | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | -2.6% |
| Petrochemical Feedstocks | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.2% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.233 0.602 | 0.232 0.599 | 0.232 0.599 | 0.234 0.601 | 0.234 0.599 | 0.233 0.597 | 0.234 0.597 | 0.234 0.596 | 0.234 0.596 | 0.235 0.597 | 0.236 0.597 | 0.235 0.597 | 0.234 0.596 | 0.234 0.596 | -0.9% -0.5% |
| Natural Gas | 0.647 | 0.656 | 0.664 | 0.666 | 0.676 | 0.687 | 0.687 | 0.693 | 0.704 | 0.708 | 0.718 | 0.724 | 0.733 | 0.736 | 2.1% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.034 0.680 | 0.033 0.688 | 0.033 0.696 | 0.034 0.699 | 0.034 0.710 | 0.034 0.722 | 0.035 0.722 | 0.035 0.728 | 0.035 0.739 | 0.035 0.743 | 0.035 0.754 | 0.036 0.760 | 0.036 0.769 | 0.036 0.773 | 2.0% 2.1% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.224 | 0.223 | 0.223 | 0.223 | 0.222 | 0.222 | 0.223 | 0.223 | 0.223 | 0.223 | 0.223 | 0.223 | 0.223 | 0.223 | -0.1% |
| Coal-to-Liquids Heat and Power | 0.070 | 0.083 | 0.093 | 0.103 | 0.113 | 0.167 | 0.176 | 0.194 | 0.208 | 0.231 | 0.232 | 0.232 | 0.245 | 0.259 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.294 | 0.306 | 0.315 | 0.326 | 0.336 | 0.390 | 0.398 | 0.416 | 0.430 | 0.454 | 0.456 | 0.456 | 0.468 | 0.483 | 3.0% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 7/ Electricity | 0.073 0.306 | 0.074 0.305 | 0.074 0.307 | 0.074 0.307 | 0.075 0.308 | 0.075 0.309 | 0.075 0.309 | 0.076 0.309 | 0.076 0.311 | 0.077 0.311 | 0.077 0.313 | 0.077 0.314 | 0.078 0.315 | 0.078 0.315 | 0.7% 0.5% |
| Delivered Energy | 2.703 | 2.731 | 2.761 | 2.785 | 2.819 | 2.897 | 2.911 | 2.944 | 2.985 | 3.024 | 3.048 | 3.060 | 3.092 | 3.120 | 1.9% |
| Electricity Related Losses | 0.710 | 0.703 | 0.707 | 0.713 | 0.724 | 0.729 | 0.729 | 0.735 | 0.738 | 0.743 | 0.748 | 0.754 | 0.762 | 0.768 | 0.4% |
| Total | 3.413 | 3.434 | 3.468 | 3.498 | 3.543 | 3.626 | 3.640 | 3.679 | 3.723 | 3.767 | 3.796 | 3.815 | 3.854 | 3.888 | 1.6% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 | 2.6% |

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West North Central-04

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 12.9% |
| Motor Gasoline 2/ | 1.397 | 1.412 | 1.425 | 1.440 | 1.454 | 1.467 | 1.481 | 1.494 | 1.507 | 1.521 | 1.535 | 1.548 | 1.560 | 1.572 | 0.9% |
| Jet Fuel 9/ | 0.190 | 0.191 | 0.192 | 0.192 | 0.192 | 0.191 | 0.191 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.9% |
| Distillate Fuel Oil 10/ | 0.611 | 0.615 | 0.621 | 0.629 | 0.637 | 0.646 | 0.654 | 0.663 | 0.675 | 0.686 | 0.698 | 0.709 | 0.720 | 0.732 | 1.5% |
| Residual Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.3% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 42.7% |
| Other Petroleum 11/ | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | -0.1% |
| Liquid Fuels Subtotal | 2.216 | 2.236 | 2.257 | 2.280 | 2.302 | 2.323 | 2.345 | 2.367 | 2.391 | 2.417 | 2.442 | 2.466 | 2.490 | 2.514 | 1.0% |
| Pipeline Fuel Natural Gas | 0.097 | 0.098 | 0.099 | 0.099 | 0.099 | 0.100 | 0.099 | 0.100 | 0.099 | 0.099 | 0.099 | 0.099 | 0.098 | 0.098 | 0.2% |
| Compressed Natural Gas | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 5.8% |
| Electricity | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 2.2% |
| Delivered Energy | 2.321 | 2.341 | 2.364 | 2.387 | 2.409 | 2.431 | 2.453 | 2.476 | 2.499 | 2.525 | 2.551 | 2.575 | 2.598 | 2.622 | 1.0% |
| Electricity Related Losses | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 2.1% |
| Total | 2.322 | 2.343 | 2.366 | 2.388 | 2.411 | 2.433 | 2.455 | 2.478 | 2.501 | 2.527 | 2.552 | 2.576 | 2.600 | 2.624 | 1.0% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.219 | 0.218 | 0.218 | 0.218 | 0.217 | 0.217 | 0.216 | 0.216 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.0% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 12.9% |
| Motor Gasoline 2/ | 1.446 | 1.461 | 1.475 | 1.490 | 1.504 | 1.517 | 1.531 | 1.544 | 1.557 | 1.572 | 1.585 | 1.598 | 1.611 | 1.623 | 0.9% |
| Jet Fuel 9/ | 0.190 | 0.191 | 0.192 | 0.192 | 0.192 | 0.191 | 0.191 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.9% |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 2.3% |
| Distillate Fuel Oil | 0.829 | 0.832 | 0.838 | 0.845 | 0.852 | 0.860 | 0.868 | 0.876 | 0.887 | 0.899 | 0.911 | 0.922 | 0.933 | 0.944 | 1.0% |
| Residual Fuel Oil | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | -1.9% |
| Petrochemical Feedstocks | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.2% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 42.7% |
| Other Petroleum 12/ | 0.246 | 0.245 | 0.245 | 0.247 | 0.247 | 0.246 | 0.247 | 0.247 | 0.247 | 0.248 | 0.248 | 0.248 | 0.247 | 0.246 | -0.9% |
| Liquid Fuels Subtotal | 2.973 | 2.990 | 3.011 | 3.035 | 3.055 | 3.074 | 3.096 | 3.117 | 3.140 | 3.167 | 3.193 | 3.216 | 3.239 | 3.263 | 0.7% |
| Natural Gas | 1.465 | 1.479 | 1.493 | 1.501 | 1.514 | 1.529 | 1.532 | 1.541 | 1.556 | 1.564 | 1.578 | 1.589 | 1.599 | 1.606 | 1.3% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.034 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 2.0% |
| Pipeline Natural Gas | 0.097 | 0.098 | 0.099 | 0.099 | 0.099 | 0.100 | 0.099 | 0.100 | 0.099 | 0.099 | 0.099 | 0.099 | 0.098 | 0.098 | 0.2% |
| Natural Gas Subtotal | 1.596 | 1.609 | 1.624 | 1.633 | 1.647 | 1.664 | 1.666 | 1.676 | 1.690 | 1.698 | 1.713 | 1.723 | 1.734 | 1.740 | 1.2% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 0.241 | 0.240 | 0.240 | 0.239 | 0.239 | 0.239 | 0.239 | 0.239 | 0.240 | 0.240 | 0.240 | 0.240 | 0.240 | 0.240 | -0.1% |
| Coal-to-Liquids Heat and Power | 0.070 | 0.083 | 0.093 | 0.103 | 0.113 | 0.167 | 0.176 | 0.194 | 0.208 | 0.231 | 0.232 | 0.232 | 0.245 | 0.259 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.311 | 0.323 | 0.332 | 0.343 | 0.353 | 0.407 | 0.415 | 0.433 | 0.447 | 0.471 | 0.472 | 0.472 | 0.485 | 0.500 | 2.9% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.105 | 0.106 | 0.106 | 0.107 | 0.107 | 0.107 | 0.108 | 0.108 | 0.108 | 0.109 | 0.109 | 0.110 | 0.110 | 0.110 | 0.5% |
| Electricity | 1.092 | 1.102 | 1.113 | 1.125 | 1.135 | 1.146 | 1.155 | 1.166 | 1.178 | 1.189 | 1.202 | 1.214 | 1.224 | 1.235 | 1.1% |
| Delivered Energy | 6.825 | 6.888 | 6.957 | 7.020 | 7.088 | 7.201 | 7.249 | 7.320 | 7.396 | 7.475 | 7.539 | 7.592 | 7.658 | 7.724 | 1.3% |
| Electricity Related Losses | 2.535 | 2.535 | 2.565 | 2.612 | 2.668 | 2.701 | 2.730 | 2.776 | 2.796 | 2.837 | 2.868 | 2.914 | 2.964 | 3.008 | 1.0% |
| Total | 9.360 | 9.423 | 9.522 | 9.632 | 9.756 | 9.902 | 9.979 | 10.096 | 10.192 | 10.312 | 10.408 | 10.506 | 10.621 | 10.732 | 1.2% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.012 | 0.013 | 0.014 | 0.014 | 0.015 | 0.015 | 0.015 | 0.016 | 0.018 | 0.018 | 0.019 | 0.019 | 0.019 | 0.019 | 1.5% |
| Residual Fuel Oil | 0.013 | 0.012 | 0.011 | 0.011 | 0.008 | 0.008 | 0.011 | 0.011 | 0.006 | 0.002 | 0.006 | 0.010 | 0.008 | 0.006 | -2.6% |
| Liquid Fuels Subtotal | 0.026 | 0.025 | 0.025 | 0.025 | 0.023 | 0.023 | 0.026 | 0.027 | 0.023 | 0.021 | 0.025 | 0.029 | 0.027 | 0.025 | 0.0% |
| Natural Gas | 0.082 | 0.083 | 0.090 | 0.086 | 0.089 | 0.085 | 0.076 | 0.079 | 0.063 | 0.059 | 0.056 | 0.052 | 0.052 | 0.054 | -2.7% |
| Steam Coal | 2.764 | 2.773 | 2.805 | 2.879 | 2.945 | 2.998 | 3.036 | 3.080 | 3.132 | 3.190 | 3.235 | 3.293 | 3.361 | 3.420 | 1.3% |
| Nuclear Power | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.0% |
| Renewable Energy 15/ | 0.267 | 0.270 | 0.269 | 0.262 | 0.259 | 0.253 | 0.258 | 0.266 | 0.267 | 0.267 | 0.265 | 0.264 | 0.258 | 0.256 | 2.3% |
| Electricity Imports | 0.015 | 0.014 | 0.017 | 0.013 | 0.014 | 0.015 | 0.015 | 0.017 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.015 | -2.6% |
| Total | 3.627 | 3.637 | 3.679 | 3.737 | 3.803 | 3.847 | 3.885 | 3.942 | 3.974 | 4.026 | 4.070 | 4.128 | 4.188 | 4.244 | 1.1% |

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West North Central-04

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.219 | 0.218 | 0.218 | 0.218 | 0.217 | 0.217 | 0.216 | 0.216 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.0% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 12.9% |
| Motor Gasoline 2/ | 1.446 | 1.461 | 1.475 | 1.490 | 1.504 | 1.517 | 1.531 | 1.544 | 1.557 | 1.572 | 1.585 | 1.598 | 1.611 | 1.623 | 0.9% |
| Jet Fuel 9/ | 0.190 | 0.191 | 0.192 | 0.192 | 0.192 | 0.191 | 0.191 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.190 | 0.9% |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 2.3% |
| Distillate Fuel Oil | 0.841 | 0.845 | 0.851 | 0.859 | 0.867 | 0.875 | 0.883 | 0.892 | 0.905 | 0.918 | 0.929 | 0.941 | 0.951 | 0.963 | 1.0% |
| Residual Fuel Oil | 0.022 | 0.021 | 0.020 | 0.020 | 0.016 | 0.016 | 0.020 | 0.020 | 0.015 | 0.011 | 0.015 | 0.019 | 0.017 | 0.015 | -2.2% |
| Petrochemical Feedstocks | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.2% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 42.7% |
| Other Petroleum 12/ | 0.246 | 0.245 | 0.245 | 0.247 | 0.247 | 0.246 | 0.247 | 0.247 | 0.247 | 0.248 | 0.248 | 0.248 | 0.247 | 0.246 | -0.9% |
| Liquid Fuels Subtotal | 2.999 | 3.015 | 3.035 | 3.060 | 3.077 | 3.096 | 3.122 | 3.144 | 3.163 | 3.188 | 3.217 | 3.245 | 3.266 | 3.288 | 0.7% |
| Natural Gas | 1.547 | 1.561 | 1.583 | 1.586 | 1.604 | 1.614 | 1.608 | 1.620 | 1.619 | 1.623 | 1.635 | 1.640 | 1.652 | 1.660 | 1.1% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.034 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 2.0% |
| Pipeline Natural Gas | 0.097 | 0.098 | 0.099 | 0.099 | 0.099 | 0.100 | 0.099 | 0.100 | 0.099 | 0.099 | 0.099 | 0.099 | 0.098 | 0.098 | 0.2% |
| Natural Gas Subtotal | 1.678 | 1.692 | 1.714 | 1.719 | 1.737 | 1.749 | 1.742 | 1.755 | 1.753 | 1.757 | 1.769 | 1.775 | 1.786 | 1.794 | 1.0% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 3.005 | 3.013 | 3.045 | 3.119 | 3.184 | 3.238 | 3.276 | 3.320 | 3.371 | 3.430 | 3.475 | 3.533 | 3.601 | 3.660 | 1.2% |
| Coal-to-Liquids Heat and Power | 0.070 | 0.083 | 0.093 | 0.103 | 0.113 | 0.167 | 0.176 | 0.194 | 0.208 | 0.231 | 0.232 | 0.232 | 0.245 | 0.259 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 3.075 | 3.096 | 3.138 | 3.222 | 3.298 | 3.405 | 3.452 | 3.514 | 3.579 | 3.662 | 3.708 | 3.766 | 3.846 | 3.920 | 1.5% |
| Nuclear Power | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.473 | 0.0% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 0.372 | 0.375 | 0.375 | 0.368 | 0.366 | 0.360 | 0.365 | 0.374 | 0.375 | 0.376 | 0.374 | 0.374 | 0.368 | 0.366 | 1.7% |
| Electricity Imports | 0.015 | 0.014 | 0.017 | 0.013 | 0.014 | 0.015 | 0.015 | 0.017 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.015 | -2.6% |
| Total | 9.360 | 9.423 | 9.522 | 9.632 | 9.756 | 9.902 | 9.979 | 10.096 | 10.192 | 10.312 | 10.408 | 10.506 | 10.621 | 10.732 | 1.2% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 6.825 | 6.888 | 6.957 | 7.020 | 7.088 | 7.201 | 7.249 | 7.320 | 7.396 | 7.475 | 7.539 | 7.592 | 7.658 | 7.724 | 1.3% |
| Total Energy Use | 9.360 | 9.423 | 9.522 | 9.632 | 9.756 | 9.902 | 9.979 | 10.096 | 10.192 | 10.312 | 10.408 | 10.506 | 10.621 | 10.732 | 1.2% |
| Population (millions) | 21.021 | 21.101 | 21.178 | 21.251 | 21.321 | 21.388 | 21.452 | 21.513 | 21.572 | 21.630 | 21.686 | 21.743 | 21.798 | 21.854 | 0.4% |
| Carbon Dioxide Emissions (million metric tons) | 567.99 | 571.84 | 578.23 | 587.96 | 597.23 | 609.28 | 615.14 | 623.08 | 630.34 | 639.91 | 646.84 | 654.65 | 664.12 | 672.92 | 1.1% |

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West North Central-04

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - South Atlantic-05

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.080 | 0.075 | 0.078 | 0.077 | 0.078 | 0.079 | 0.080 | 0.081 | 0.083 | 0.084 | 0.085 | 0.086 | 0.087 |
| Kerosene | 0.022 | 0.029 | 0.029 | 0.034 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 |
| Distillate Fuel Oil | 0.089 | 0.087 | 0.085 | 0.083 | 0.082 | 0.081 | 0.081 | 0.080 | 0.080 | 0.079 | 0.078 | 0.077 | 0.076 |
| Liquid Fuels Subtotal | 0.191 | 0.192 | 0.192 | 0.194 | 0.195 | 0.195 | 0.196 | 0.197 | 0.198 | 0.198 | 0.198 | 0.198 | 0.198 |
| Natural Gas | 0.470 | 0.472 | 0.417 | 0.464 | 0.476 | 0.482 | 0.488 | 0.495 | 0.503 | 0.507 | 0.512 | 0.516 | 0.522 |
| Coal | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Renewable Energy 1/ Electricity | 0.058 1.127 | 0.062 1.171 | 0.059 1.182 | 0.063 1.204 | 0.065 1.237 | 0.064 1.264 | 0.064 1.294 | 0.063 1.323 | 0.063 1.354 | 0.062 1.379 | 0.062 1.406 | 0.062 1.433 | 0.062 1.463 |
| Delivered Energy | 1.848 | 1.898 | 1.852 | 1.927 | 1.974 | 2.006 | 2.043 | 2.079 | 2.119 | 2.148 | 2.179 | 2.210 | 2.246 |
| Electricity Related Losses | 2.160 | 2.264 | 2.209 | 2.198 | 2.188 | 2.225 | 2.250 | 2.273 | 2.284 | 2.295 | 2.317 | 2.338 | 2.334 |
| Total | 4.008 | 4.161 | 4.061 | 4.125 | 4.162 | 4.231 | 4.293 | 4.352 | 4.403 | 4.443 | 4.495 | 4.548 | 4.579 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.015 | 0.014 | 0.014 | 0.013 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.015 |
| Motor Gasoline 2/ Kerosene | 0.008 0.006 | 0.008 0.006 | 0.008 0.006 | 0.008 0.006 | 0.009 0.006 | 0.009 0.006 | 0.009 0.007 | 0.009 0.007 | 0.009 0.007 | 0.009 0.007 | 0.009 0.007 | 0.009 0.007 | 0.009 0.007 |
| Distillate Fuel Oil | 0.071 | 0.075 | 0.075 | 0.066 | 0.067 | 0.068 | 0.070 | 0.072 | 0.073 | 0.075 | 0.076 | 0.076 | 0.077 |
| Residual Fuel Oil | 0.008 | 0.010 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 |
| Liquid Fuels Subtotal | 0.109 | 0.112 | 0.112 | 0.103 | 0.105 | 0.108 | 0.109 | 0.111 | 0.113 | 0.115 | 0.116 | 0.117 | 0.118 |
| Natural Gas | 0.360 | 0.378 | 0.349 | 0.371 | 0.396 | 0.407 | 0.418 | 0.434 | 0.448 | 0.462 | 0.474 | 0.486 | 0.497 |
| Coal | 0.008 | 0.008 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Renewable Energy 3/ Electricity | 0.022 0.927 | 0.023 0.956 | 0.023 0.961 | 0.023 0.997 | 0.023 1.038 | 0.023 1.066 | 0.023 1.094 | 0.023 1.124 | 0.023 1.157 | 0.023 1.190 | 0.023 1.222 | 0.023 1.253 | 0.023 1.285 |
| Delivered Energy | 1.426 | 1.477 | 1.451 | 1.499 | 1.567 | 1.610 | 1.649 | 1.697 | 1.746 | 1.795 | 1.841 | 1.885 | 1.928 |
| Electricity Related Losses | 1.777 | 1.848 | 1.797 | 1.819 | 1.836 | 1.877 | 1.901 | 1.932 | 1.951 | 1.981 | 2.014 | 2.045 | 2.050 |
| Total | 3.203 | 3.325 | 3.247 | 3.318 | 3.403 | 3.487 | 3.550 | 3.629 | 3.698 | 3.776 | 3.855 | 3.930 | 3.978 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.039 | 0.037 | 0.038 | 0.040 | 0.040 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.055 0.213 | 0.056 0.217 | 0.057 0.231 | 0.055 0.221 | 0.055 0.215 | 0.055 0.211 | 0.056 0.209 | 0.056 0.209 | 0.056 0.209 | 0.056 0.210 | 0.057 0.212 | 0.057 0.212 | 0.058 0.214 |
| Residual Fuel Oil | 0.093 | 0.098 | 0.093 | 0.066 | 0.063 | 0.062 | 0.062 | 0.061 | 0.061 | 0.061 | 0.063 | 0.061 | 0.062 |
| Petrochemical Feedstocks | 0.212 | 0.194 | 0.185 | 0.200 | 0.207 | 0.206 | 0.207 | 0.207 | 0.208 | 0.208 | 0.208 | 0.208 | 0.209 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.393 1.007 | 0.402 1.005 | 0.384 0.987 | 0.361 0.943 | 0.355 0.935 | 0.349 0.923 | 0.349 0.922 | 0.344 0.915 | 0.343 0.916 | 0.344 0.919 | 0.346 0.923 | 0.344 0.922 | 0.349 0.931 |
| Natural Gas | 0.558 | 0.548 | 0.568 | 0.485 | 0.492 | 0.505 | 0.510 | 0.517 | 0.518 | 0.521 | 0.524 | 0.527 | 0.533 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.010 0.568 | 0.010 0.558 | 0.016 0.584 | 0.016 0.500 | 0.016 0.508 | 0.016 0.521 | 0.016 0.526 | 0.016 0.532 | 0.016 0.534 | 0.016 0.537 | 0.016 0.540 | 0.016 0.543 | 0.016 0.548 |
| Metallurgical Coal | 0.078 | 0.076 | 0.084 | 0.081 | 0.081 | 0.080 | 0.081 | 0.081 | 0.081 | 0.082 | 0.082 | 0.083 | 0.084 |
| Other Industrial Coal | 0.302 | 0.284 | 0.281 | 0.286 | 0.290 | 0.292 | 0.293 | 0.292 | 0.291 | 0.290 | 0.290 | 0.289 | 0.289 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.077 | -0.027 | -0.029 | -0.012 | -0.012 | -0.011 | -0.011 | -0.011 | -0.011 | -0.010 | -0.010 | -0.010 | -0.010 |
| Coal Subtotal | 0.302 | 0.333 | 0.336 | 0.355 | 0.360 | 0.361 | 0.363 | 0.362 | 0.361 | 0.361 | 0.362 | 0.362 | 0.362 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 7/ Electricity | 0.553 0.593 | 0.469 0.592 | 0.512 0.589 | 0.515 0.608 | 0.515 0.614 | 0.516 0.614 | 0.521 0.618 | 0.528 0.621 | 0.536 0.625 | 0.544 0.628 | 0.551 0.632 | 0.559 0.636 | 0.568 0.640 |
| Delivered Energy | 3.236 | 3.202 | 3.324 | 3.276 | 3.387 | 3.547 | 3.638 | 3.666 | 3.694 | 3.716 | 3.739 | 3.758 | 3.790 |
| Electricity Related Losses | 1.137 | 1.145 | 1.100 | 1.110 | 1.087 | 1.081 | 1.074 | 1.067 | 1.054 | 1.045 | 1.041 | 1.037 | 1.022 |
| Total | 4.373 | 4.347 | 4.424 | 4.385 | 4.474 | 4.628 | 4.712 | 4.733 | 4.748 | 4.761 | 4.780 | 4.795 | 4.811 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.005 | 0.007 | 0.007 | 0.010 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 |

Table 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - South Atlantic-05

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 3.412 | 3.410 | 3.446 | 3.420 | 3.421 | 3.439 | 3.468 | 3.518 | 3.574 | 3.635 | 3.704 | 3.775 | 3.848 |
| Jet Fuel 9/ | 0.304 | 0.302 | 0.306 | 0.316 | 0.327 | 0.341 | 0.358 | 0.365 | 0.371 | 0.377 | 0.382 | 0.388 | 0.393 |
| Distillate Fuel Oil 10/ | 0.981 | 0.995 | 1.021 | 1.049 | 1.072 | 1.097 | 1.124 | 1.153 | 1.182 | 1.210 | 1.235 | 1.261 | 1.288 |
| Residual Fuel Oil | 0.089 | 0.097 | 0.089 | 0.092 | 0.095 | 0.098 | 0.101 | 0.102 | 0.102 | 0.103 | 0.104 | 0.104 | 0.105 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.028 | 0.031 | 0.030 | 0.031 | 0.031 | 0.032 | 0.032 | 0.032 | 0.032 | 0.033 | 0.033 | 0.033 | 0.033 |
| Liquid Fuels Subtotal | 4.819 | 4.843 | 4.899 | 4.919 | 4.956 | 5.016 | 5.091 | 5.180 | 5.272 | 5.367 | 5.468 | 5.572 | 5.679 |
| Pipeline Fuel Natural Gas | 0.053 | 0.052 | 0.055 | 0.060 | 0.061 | 0.062 | 0.063 | 0.066 | 0.067 | 0.067 | 0.069 | 0.072 | 0.072 |
| Compressed Natural Gas | 0.005 | 0.006 | 0.008 | 0.008 | 0.009 | 0.009 | 0.010 | 0.011 | 0.011 | 0.012 | 0.012 | 0.013 | 0.014 |
| Electricity | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Delivered Energy | 4.880 | 4.904 | 4.965 | 4.990 | 5.030 | 5.091 | 5.168 | 5.260 | 5.354 | 5.450 | 5.554 | 5.661 | 5.770 |
| Electricity Related Losses | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| Total | 4.887 | 4.911 | 4.972 | 4.997 | 5.037 | 5.098 | 5.175 | 5.267 | 5.361 | 5.457 | 5.561 | 5.668 | 5.777 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.139 | 0.133 | 0.137 | 0.140 | 0.141 | 0.142 | 0.142 | 0.144 | 0.145 | 0.146 | 0.148 | 0.149 | 0.151 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 3.476 | 3.474 | 3.510 | 3.484 | 3.485 | 3.503 | 3.532 | 3.583 | 3.639 | 3.700 | 3.769 | 3.841 | 3.915 |
| Jet Fuel 9/ | 0.304 | 0.302 | 0.306 | 0.316 | 0.327 | 0.341 | 0.358 | 0.365 | 0.371 | 0.377 | 0.382 | 0.388 | 0.393 |
| Kerosene | 0.030 | 0.036 | 0.036 | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 |
| Distillate Fuel Oil | 1.355 | 1.374 | 1.412 | 1.419 | 1.436 | 1.457 | 1.483 | 1.513 | 1.544 | 1.574 | 1.600 | 1.627 | 1.655 |
| Residual Fuel Oil | 0.191 | 0.205 | 0.192 | 0.168 | 0.168 | 0.170 | 0.173 | 0.172 | 0.174 | 0.175 | 0.176 | 0.176 | 0.177 |
| Petrochemical Feedstocks | 0.212 | 0.194 | 0.185 | 0.200 | 0.207 | 0.206 | 0.207 | 0.207 | 0.208 | 0.208 | 0.208 | 0.208 | 0.209 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.420 | 0.432 | 0.413 | 0.391 | 0.385 | 0.379 | 0.380 | 0.375 | 0.374 | 0.375 | 0.378 | 0.376 | 0.381 |
| Liquid Fuels Subtotal | 6.126 | 6.151 | 6.190 | 6.159 | 6.192 | 6.242 | 6.318 | 6.403 | 6.499 | 6.599 | 6.706 | 6.809 | 6.925 |
| Natural Gas | 1.393 | 1.404 | 1.342 | 1.327 | 1.373 | 1.403 | 1.426 | 1.456 | 1.480 | 1.502 | 1.522 | 1.543 | 1.565 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.010 | 0.010 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 |
| Pipeline Natural Gas | 0.053 | 0.052 | 0.055 | 0.060 | 0.061 | 0.062 | 0.063 | 0.066 | 0.067 | 0.067 | 0.069 | 0.072 | 0.072 |
| Natural Gas Subtotal | 1.456 | 1.466 | 1.413 | 1.403 | 1.450 | 1.481 | 1.505 | 1.537 | 1.562 | 1.585 | 1.607 | 1.630 | 1.653 |
| Metallurgical Coal | 0.078 | 0.076 | 0.084 | 0.081 | 0.081 | 0.080 | 0.081 | 0.081 | 0.081 | 0.082 | 0.082 | 0.083 | 0.084 |
| Other Coal | 0.311 | 0.293 | 0.288 | 0.293 | 0.297 | 0.299 | 0.300 | 0.299 | 0.298 | 0.297 | 0.297 | 0.296 | 0.296 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.077 | -0.027 | -0.029 | -0.012 | -0.012 | -0.011 | -0.011 | -0.011 | -0.011 | -0.010 | -0.010 | -0.010 | -0.010 |
| Coal Subtotal | 0.312 | 0.342 | 0.343 | 0.362 | 0.367 | 0.368 | 0.370 | 0.369 | 0.368 | 0.368 | 0.368 | 0.368 | 0.369 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.634 | 0.553 | 0.594 | 0.601 | 0.603 | 0.603 | 0.607 | 0.614 | 0.622 | 0.629 | 0.636 | 0.644 | 0.653 |
| Electricity | 2.651 | 2.723 | 2.735 | 2.812 | 2.892 | 2.948 | 3.010 | 3.072 | 3.140 | 3.201 | 3.265 | 3.327 | 3.392 |
| Delivered Energy | 11.391 | 11.480 | 11.591 | 11.692 | 11.957 | 12.255 | 12.498 | 12.702 | 12.912 | 13.109 | 13.312 | 13.514 | 13.733 |
| Electricity Related Losses | 5.080 | 5.263 | 5.113 | 5.134 | 5.118 | 5.190 | 5.232 | 5.279 | 5.297 | 5.329 | 5.379 | 5.427 | 5.412 |
| Total | 16.471 | 16.744 | 16.704 | 16.826 | 17.076 | 17.445 | 17.730 | 17.981 | 18.209 | 18.438 | 18.691 | 18.941 | 19.145 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.073 | 0.088 | 0.087 | 0.087 | 0.088 | 0.092 | 0.094 | 0.096 | 0.096 | 0.097 | 0.097 | 0.097 | 0.097 |
| Residual Fuel Oil | 0.413 | 0.399 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.226 | 0.230 | 0.230 | 0.231 | 0.230 | 0.230 |
| Liquid Fuels Subtotal | 0.487 | 0.487 | 0.312 | 0.312 | 0.313 | 0.317 | 0.319 | 0.322 | 0.326 | 0.327 | 0.328 | 0.327 | 0.327 |
| Natural Gas | 0.789 | 0.906 | 0.835 | 0.821 | 0.845 | 0.855 | 0.857 | 0.909 | 0.883 | 0.908 | 0.931 | 1.035 | 1.052 |
| Steam Coal | 4.155 | 4.274 | 4.385 | 4.465 | 4.492 | 4.585 | 4.669 | 4.718 | 4.840 | 4.908 | 4.992 | 4.976 | 4.991 |
| Nuclear Power | 2.068 | 2.058 | 2.052 | 2.055 | 2.046 | 2.031 | 2.032 | 2.032 | 2.032 | 2.032 | 2.032 | 2.042 | 2.062 |
| Renewable Energy 15/ | 0.231 | 0.261 | 0.265 | 0.293 | 0.315 | 0.350 | 0.365 | 0.370 | 0.356 | 0.355 | 0.361 | 0.373 | 0.371 |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | 7.731 | 7.986 | 7.848 | 7.947 | 8.011 | 8.139 | 8.241 | 8.351 | 8.436 | 8.530 | 8.643 | 8.754 | 8.804 |

Table 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - South Atlantic-05

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.139 | 0.133 | 0.137 | 0.140 | 0.141 | 0.142 | 0.142 | 0.144 | 0.145 | 0.146 | 0.148 | 0.149 | 0.151 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 3.476 | 3.474 | 3.510 | 3.484 | 3.485 | 3.503 | 3.532 | 3.583 | 3.639 | 3.700 | 3.769 | 3.841 | 3.915 |
| Jet Fuel 9/ | 0.304 | 0.302 | 0.306 | 0.316 | 0.327 | 0.341 | 0.358 | 0.365 | 0.371 | 0.377 | 0.382 | 0.388 | 0.393 |
| Kerosene | 0.030 | 0.036 | 0.036 | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 |
| Distillate Fuel Oil | 1.428 | 1.462 | 1.498 | 1.506 | 1.524 | 1.550 | 1.576 | 1.609 | 1.640 | 1.670 | 1.698 | 1.724 | 1.752 |
| Residual Fuel Oil | 0.604 | 0.604 | 0.417 | 0.393 | 0.393 | 0.395 | 0.398 | 0.398 | 0.404 | 0.405 | 0.407 | 0.406 | 0.408 |
| Petrochemical Feedstocks | 0.212 | 0.194 | 0.185 | 0.200 | 0.207 | 0.206 | 0.207 | 0.207 | 0.208 | 0.208 | 0.208 | 0.208 | 0.209 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.420 | 0.432 | 0.413 | 0.391 | 0.385 | 0.379 | 0.380 | 0.375 | 0.374 | 0.375 | 0.378 | 0.376 | 0.381 |
| Liquid Fuels Subtotal | 6.613 | 6.638 | 6.502 | 6.472 | 6.505 | 6.559 | 6.637 | 6.725 | 6.825 | 6.926 | 7.034 | 7.136 | 7.253 |
| Natural Gas | 2.182 | 2.310 | 2.177 | 2.148 | 2.218 | 2.258 | 2.283 | 2.364 | 2.363 | 2.410 | 2.453 | 2.578 | 2.617 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.010 | 0.010 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 |
| Pipeline Natural Gas | 0.053 | 0.052 | 0.055 | 0.060 | 0.061 | 0.062 | 0.063 | 0.066 | 0.067 | 0.067 | 0.069 | 0.072 | 0.072 |
| Natural Gas Subtotal | 2.245 | 2.372 | 2.248 | 2.224 | 2.295 | 2.336 | 2.362 | 2.446 | 2.445 | 2.493 | 2.537 | 2.666 | 2.706 |
| Metallurgical Coal | 0.078 | 0.076 | 0.084 | 0.081 | 0.081 | 0.080 | 0.081 | 0.081 | 0.081 | 0.082 | 0.082 | 0.083 | 0.084 |
| Other Coal | 4.467 | 4.567 | 4.673 | 4.759 | 4.789 | 4.884 | 4.969 | 5.017 | 5.137 | 5.205 | 5.289 | 5.272 | 5.287 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.077 | -0.027 | -0.029 | -0.012 | -0.012 | -0.011 | -0.011 | -0.011 | -0.011 | -0.010 | -0.010 | -0.010 | -0.010 |
| Coal Subtotal | 4.467 | 4.617 | 4.728 | 4.827 | 4.858 | 4.953 | 5.038 | 5.087 | 5.208 | 5.276 | 5.361 | 5.345 | 5.360 |
| Nuclear Power | 2.068 | 2.058 | 2.052 | 2.055 | 2.046 | 2.031 | 2.032 | 2.032 | 2.032 | 2.032 | 2.032 | 2.042 | 2.062 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.865 | 0.815 | 0.859 | 0.894 | 0.917 | 0.952 | 0.972 | 0.984 | 0.977 | 0.984 | 0.997 | 1.017 | 1.024 |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | 16.471 | 16.744 | 16.704 | 16.826 | 17.076 | 17.445 | 17.730 | 17.981 | 18.209 | 18.438 | 18.691 | 18.941 | 19.145 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 11.391 | 11.480 | 11.591 | 11.692 | 11.957 | 12.255 | 12.498 | 12.702 | 12.912 | 13.109 | 13.312 | 13.514 | 13.733 |
| Total Energy Use | 16.471 | 16.744 | 16.704 | 16.826 | 17.076 | 17.445 | 17.730 | 17.981 | 18.209 | 18.438 | 18.691 | 18.941 | 19.145 |
| Population (millions) | 55.291 | 56.087 | 56.886 | 57.689 | 58.494 | 59.310 | 60.135 | 60.967 | 61.808 | 62.657 | 63.513 | 64.378 | 65.250 |
| Carbon Dioxide Emissions (million metric tons) | 980.71 | 1007.53 | 994.86 | 999.58 | 1006.66 | 1018.93 | 1032.66 | 1047.80 | 1065.93 | 1081.70 | 1099.76 | 1111.69 | 1123.03 |

Table 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - South Atlantic-05

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.088 | 0.089 | 0.090 | 0.091 | 0.092 | 0.093 | 0.094 | 0.096 | 0.096 | 0.098 | 0.099 | 0.100 | 0.101 | 0.102 | 1.2% |
| Kerosene | 0.035 | 0.034 | 0.034 | 0.034 | 0.033 | 0.033 | 0.032 | 0.032 | 0.032 | 0.032 | 0.031 | 0.031 | 0.030 | 0.030 | 0.1% |
| Distillate Fuel Oil | 0.074 | 0.073 | 0.071 | 0.070 | 0.068 | 0.067 | 0.066 | 0.064 | 0.063 | 0.062 | 0.060 | 0.059 | 0.058 | 0.057 | -1.7% |
| Liquid Fuels Subtotal | 0.197 | 0.196 | 0.195 | 0.195 | 0.194 | 0.193 | 0.192 | 0.192 | 0.191 | 0.191 | 0.190 | 0.190 | 0.189 | 0.189 | -0.1% |
| Natural Gas | 0.524 | 0.527 | 0.531 | 0.537 | 0.539 | 0.542 | 0.545 | 0.549 | 0.551 | 0.554 | 0.557 | 0.561 | 0.561 | 0.564 | 0.7% |
| Coal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -1.4% |
| Renewable Energy 1/ Electricity | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.0% |
| Delivered Energy | 1.486 | 1.512 | 1.539 | 1.571 | 1.592 | 1.618 | 1.644 | 1.674 | 1.697 | 1.724 | 1.751 | 1.781 | 1.802 | 1.828 | 1.8% |
| Electricity Related Losses | 2.269 | 2.298 | 2.329 | 2.366 | 2.388 | 2.417 | 2.445 | 2.479 | 2.502 | 2.532 | 2.561 | 2.595 | 2.616 | 2.644 | 1.3% |
| Total | 2.351 | 2.351 | 2.349 | 2.353 | 2.347 | 2.329 | 2.310 | 2.297 | 2.267 | 2.236 | 2.225 | 2.224 | 2.219 | 2.229 | -0.1% |
| Total | 4.620 | 4.649 | 4.678 | 4.718 | 4.735 | 4.746 | 4.755 | 4.776 | 4.769 | 4.768 | 4.786 | 4.819 | 4.834 | 4.873 | 0.6% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.6% |
| Motor Gasoline 2/ Kerosene | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.8% |
| Distillate Fuel Oil | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.8% |
| Residual Fuel Oil | 0.077 | 0.077 | 0.078 | 0.078 | 0.079 | 0.079 | 0.080 | 0.080 | 0.081 | 0.081 | 0.082 | 0.082 | 0.082 | 0.083 | 0.4% |
| Liquid Fuels Subtotal | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.3% |
| Natural Gas | 0.118 | 0.119 | 0.119 | 0.120 | 0.120 | 0.121 | 0.122 | 0.122 | 0.123 | 0.124 | 0.125 | 0.125 | 0.126 | 0.127 | 0.5% |
| Coal | 0.507 | 0.517 | 0.528 | 0.539 | 0.551 | 0.563 | 0.574 | 0.585 | 0.598 | 0.611 | 0.624 | 0.636 | 0.649 | 0.663 | 2.3% |
| Renewable Energy 3/ Electricity | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | -1.1% |
| Delivered Energy | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.0% |
| Electricity Related Losses | 1.316 | 1.347 | 1.380 | 1.413 | 1.448 | 1.485 | 1.523 | 1.562 | 1.602 | 1.644 | 1.687 | 1.731 | 1.776 | 1.822 | 2.6% |
| Total | 1.969 | 2.011 | 2.055 | 2.100 | 2.148 | 2.197 | 2.248 | 2.301 | 2.351 | 2.407 | 2.464 | 2.521 | 2.579 | 2.640 | 2.4% |
| Total | 2.083 | 2.095 | 2.105 | 2.117 | 2.135 | 2.137 | 2.140 | 2.143 | 2.140 | 2.131 | 2.143 | 2.162 | 2.186 | 2.222 | 0.7% |
| Total | 4.052 | 4.106 | 4.160 | 4.217 | 4.283 | 4.334 | 4.388 | 4.441 | 4.492 | 4.538 | 4.607 | 4.682 | 4.765 | 4.862 | 1.5% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.040 | 0.040 | 0.040 | 0.040 | 0.040 | 0.041 | 0.041 | 0.041 | 0.042 | 0.5% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.058 | 0.058 | 0.059 | 0.060 | 0.060 | 0.060 | 0.061 | 0.061 | 0.062 | 0.063 | 0.063 | 0.063 | 0.064 | 0.064 | 0.6% |
| Residual Fuel Oil | 0.215 | 0.216 | 0.217 | 0.219 | 0.219 | 0.220 | 0.221 | 0.221 | 0.223 | 0.225 | 0.227 | 0.227 | 0.229 | 0.230 | 0.2% |
| Petrochemical Feedstocks | 0.062 | 0.062 | 0.061 | 0.062 | 0.061 | 0.061 | 0.063 | 0.063 | 0.063 | 0.062 | 0.063 | 0.064 | 0.064 | 0.064 | -1.7% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.209 | 0.209 | 0.210 | 0.212 | 0.213 | 0.214 | 0.216 | 0.217 | 0.218 | 0.220 | 0.222 | 0.223 | 0.226 | 0.227 | 0.6% |
| Natural Gas | 0.352 | 0.352 | 0.353 | 0.359 | 0.358 | 0.362 | 0.366 | 0.367 | 0.371 | 0.374 | 0.378 | 0.383 | 0.383 | 0.388 | -0.1% |
| Natural-Gas-to-Liquids Heat and Power | 0.936 | 0.937 | 0.940 | 0.950 | 0.951 | 0.957 | 0.966 | 0.969 | 0.978 | 0.985 | 0.993 | 1.002 | 1.007 | 1.016 | 0.0% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.531 | 0.536 | 0.546 | 0.548 | 0.557 | 0.562 | 0.568 | 0.575 | 0.581 | 0.585 | 0.592 | 0.597 | 0.607 | 0.612 | 0.4% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 2.1% |
| Coal-to-Liquids Heat and Power | 0.547 | 0.552 | 0.562 | 0.564 | 0.573 | 0.579 | 0.584 | 0.591 | 0.597 | 0.602 | 0.608 | 0.614 | 0.624 | 0.629 | 0.5% |
| Net Coal Coke Imports | 0.084 | 0.084 | 0.086 | 0.087 | 0.088 | 0.089 | 0.091 | 0.092 | 0.094 | 0.096 | 0.098 | 0.100 | 0.101 | 0.102 | 1.2% |
| Coal Subtotal | 0.288 | 0.288 | 0.288 | 0.288 | 0.289 | 0.289 | 0.290 | 0.290 | 0.291 | 0.291 | 0.292 | 0.292 | 0.293 | 0.293 | 0.1% |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Renewable Energy 7/ Electricity | -0.010 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.008 | -0.008 | -0.008 | -0.008 | -0.008 | -0.007 | -0.007 | -5.1% |
| Delivered Energy | 0.362 | 0.362 | 0.364 | 0.366 | 0.368 | 0.370 | 0.372 | 0.374 | 0.376 | 0.379 | 0.382 | 0.384 | 0.386 | 0.388 | 0.6% |
| Electricity Related Losses | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Total | 0.575 | 0.580 | 0.588 | 0.596 | 0.603 | 0.610 | 0.617 | 0.626 | 0.636 | 0.645 | 0.654 | 0.662 | 0.671 | 0.681 | 1.5% |
| Delivered Energy | 0.642 | 0.642 | 0.646 | 0.650 | 0.653 | 0.658 | 0.662 | 0.667 | 0.673 | 0.680 | 0.687 | 0.693 | 0.699 | 0.705 | 0.7% |
| Electricity Related Losses | 3.810 | 3.832 | 3.869 | 3.904 | 3.939 | 3.977 | 4.010 | 4.046 | 4.092 | 4.132 | 4.175 | 4.212 | 4.253 | 4.295 | 1.2% |
| Total | 1.016 | 0.999 | 0.986 | 0.974 | 0.963 | 0.946 | 0.930 | 0.915 | 0.899 | 0.881 | 0.872 | 0.865 | 0.860 | 0.860 | -1.1% |
| Total | 4.825 | 4.831 | 4.855 | 4.877 | 4.902 | 4.923 | 4.939 | 4.961 | 4.991 | 5.013 | 5.047 | 5.077 | 5.113 | 5.154 | 0.7% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.016 | 3.5% |

Table 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - South Atlantic-05

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.005 | 12.2% |
| Motor Gasoline 2/ | 3.924 | 4.001 | 4.076 | 4.157 | 4.238 | 4.317 | 4.402 | 4.485 | 4.569 | 4.660 | 4.750 | 4.838 | 4.928 | 5.016 | 1.6% |
| Jet Fuel 9/ | 0.399 | 0.403 | 0.409 | 0.412 | 0.414 | 0.417 | 0.419 | 0.422 | 0.424 | 0.427 | 0.430 | 0.433 | 0.437 | 0.442 | 1.5% |
| Distillate Fuel Oil 10/ | 1.311 | 1.333 | 1.360 | 1.390 | 1.422 | 1.456 | 1.490 | 1.528 | 1.570 | 1.615 | 1.660 | 1.706 | 1.751 | 1.799 | 2.4% |
| Residual Fuel Oil | 0.106 | 0.106 | 0.107 | 0.108 | 0.109 | 0.109 | 0.110 | 0.111 | 0.111 | 0.112 | 0.113 | 0.113 | 0.114 | 0.115 | 0.7% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 43.7% |
| Other Petroleum 11/ | 0.034 | 0.034 | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 0.037 | 0.037 | 0.037 | 0.037 | 0.8% |
| Liquid Fuels Subtotal | 5.784 | 5.890 | 5.999 | 6.114 | 6.231 | 6.349 | 6.472 | 6.597 | 6.728 | 6.867 | 7.007 | 7.146 | 7.287 | 7.430 | 1.7% |
| Pipeline Fuel Natural Gas | 0.073 | 0.074 | 0.074 | 0.075 | 0.075 | 0.075 | 0.075 | 0.075 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 1.5% |
| Compressed Natural Gas | 0.014 | 0.015 | 0.015 | 0.016 | 0.016 | 0.017 | 0.017 | 0.018 | 0.019 | 0.019 | 0.020 | 0.020 | 0.021 | 0.021 | 5.5% |
| Electricity | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 1.6% |
| Delivered Energy | 5.876 | 5.983 | 6.093 | 6.210 | 6.328 | 6.446 | 6.569 | 6.695 | 6.827 | 6.968 | 7.108 | 7.248 | 7.389 | 7.532 | 1.7% |
| Electricity Related Losses | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.006 | 0.006 | 0.007 | -0.2% |
| Total | 5.883 | 5.990 | 6.100 | 6.217 | 6.335 | 6.453 | 6.576 | 6.701 | 6.834 | 6.974 | 7.115 | 7.254 | 7.396 | 7.539 | 1.7% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.152 | 0.154 | 0.156 | 0.158 | 0.159 | 0.161 | 0.162 | 0.164 | 0.166 | 0.167 | 0.169 | 0.171 | 0.173 | 0.175 | 1.1% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.005 | 12.2% |
| Motor Gasoline 2/ | 3.991 | 4.069 | 4.145 | 4.226 | 4.308 | 4.387 | 4.472 | 4.556 | 4.641 | 4.732 | 4.823 | 4.911 | 5.001 | 5.091 | 1.5% |
| Jet Fuel 9/ | 0.399 | 0.403 | 0.409 | 0.412 | 0.414 | 0.417 | 0.419 | 0.422 | 0.424 | 0.427 | 0.430 | 0.433 | 0.437 | 0.442 | 1.5% |
| Kerosene | 0.043 | 0.042 | 0.042 | 0.042 | 0.041 | 0.041 | 0.041 | 0.040 | 0.040 | 0.040 | 0.039 | 0.039 | 0.039 | 0.039 | 0.2% |
| Distillate Fuel Oil | 1.677 | 1.699 | 1.726 | 1.757 | 1.788 | 1.821 | 1.856 | 1.893 | 1.937 | 1.983 | 2.029 | 2.074 | 2.120 | 2.169 | 1.8% |
| Residual Fuel Oil | 0.178 | 0.179 | 0.179 | 0.180 | 0.180 | 0.181 | 0.183 | 0.183 | 0.184 | 0.185 | 0.186 | 0.186 | 0.188 | 0.189 | -0.3% |
| Petrochemical Feedstocks | 0.209 | 0.209 | 0.210 | 0.212 | 0.213 | 0.214 | 0.216 | 0.217 | 0.218 | 0.220 | 0.222 | 0.223 | 0.226 | 0.227 | 0.6% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 43.7% |
| Other Petroleum 12/ | 0.384 | 0.385 | 0.386 | 0.392 | 0.392 | 0.395 | 0.400 | 0.402 | 0.406 | 0.409 | 0.413 | 0.418 | 0.419 | 0.424 | -0.1% |
| Liquid Fuels Subtotal | 7.035 | 7.141 | 7.253 | 7.379 | 7.496 | 7.619 | 7.751 | 7.881 | 8.020 | 8.167 | 8.315 | 8.463 | 8.609 | 8.761 | 1.4% |
| Natural Gas | 1.576 | 1.594 | 1.620 | 1.640 | 1.663 | 1.684 | 1.704 | 1.727 | 1.747 | 1.769 | 1.792 | 1.814 | 1.838 | 1.860 | 1.1% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 2.1% |
| Pipeline Natural Gas | 0.073 | 0.074 | 0.074 | 0.075 | 0.075 | 0.075 | 0.075 | 0.075 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 1.5% |
| Natural Gas Subtotal | 1.665 | 1.684 | 1.710 | 1.731 | 1.755 | 1.776 | 1.796 | 1.818 | 1.840 | 1.862 | 1.885 | 1.908 | 1.931 | 1.953 | 1.2% |
| Metallurgical Coal | 0.084 | 0.084 | 0.086 | 0.087 | 0.088 | 0.089 | 0.091 | 0.092 | 0.094 | 0.096 | 0.098 | 0.100 | 0.101 | 0.102 | 1.2% |
| Other Coal | 0.295 | 0.294 | 0.295 | 0.295 | 0.296 | 0.296 | 0.296 | 0.297 | 0.297 | 0.298 | 0.298 | 0.299 | 0.300 | 0.300 | 0.1% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | -0.010 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.008 | -0.008 | -0.008 | -0.008 | -0.008 | -0.007 | -0.007 | -5.1% |
| Coal Subtotal | 0.369 | 0.369 | 0.371 | 0.373 | 0.375 | 0.377 | 0.379 | 0.381 | 0.383 | 0.386 | 0.389 | 0.391 | 0.393 | 0.395 | 0.6% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.659 | 0.665 | 0.672 | 0.681 | 0.688 | 0.695 | 0.702 | 0.711 | 0.720 | 0.730 | 0.739 | 0.747 | 0.756 | 0.766 | 1.3% |
| Electricity | 3.448 | 3.506 | 3.570 | 3.639 | 3.698 | 3.766 | 3.835 | 3.908 | 3.977 | 4.053 | 4.130 | 4.210 | 4.282 | 4.361 | 1.9% |
| Delivered Energy | 13.924 | 14.125 | 14.346 | 14.579 | 14.803 | 15.037 | 15.272 | 15.518 | 15.773 | 16.038 | 16.308 | 16.576 | 16.837 | 17.111 | 1.6% |
| Electricity Related Losses | 5.457 | 5.451 | 5.447 | 5.450 | 5.451 | 5.419 | 5.386 | 5.362 | 5.313 | 5.255 | 5.246 | 5.257 | 5.271 | 5.317 | 0.0% |
| Total | 19.381 | 19.576 | 19.793 | 20.030 | 20.254 | 20.456 | 20.658 | 20.879 | 21.086 | 21.294 | 21.554 | 21.833 | 22.108 | 22.428 | 1.2% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.097 | 0.097 | 0.097 | 0.097 | 0.098 | 0.099 | 0.100 | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.6% |
| Residual Fuel Oil | 0.230 | 0.230 | 0.230 | 0.230 | 0.230 | 0.230 | 0.230 | 0.230 | 0.230 | 0.230 | 0.230 | 0.232 | 0.231 | 0.231 | -2.2% |
| Liquid Fuels Subtotal | 0.327 | 0.327 | 0.328 | 0.328 | 0.328 | 0.329 | 0.331 | 0.332 | 0.332 | 0.331 | 0.331 | 0.332 | 0.331 | 0.331 | -1.5% |
| Natural Gas | 1.038 | 1.064 | 1.059 | 1.085 | 1.085 | 1.065 | 1.056 | 1.060 | 1.087 | 1.092 | 1.085 | 1.064 | 1.019 | 0.997 | 0.4% |
| Steam Coal | 5.080 | 5.099 | 5.159 | 5.206 | 5.266 | 5.308 | 5.349 | 5.379 | 5.364 | 5.375 | 5.383 | 5.408 | 5.476 | 5.552 | 1.1% |
| Nuclear Power | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.149 | 2.229 | 2.296 | 2.362 | 0.6% |
| Renewable Energy 15/ | 0.372 | 0.379 | 0.381 | 0.381 | 0.381 | 0.394 | 0.396 | 0.411 | 0.418 | 0.421 | 0.428 | 0.434 | 0.431 | 0.436 | 2.1% |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Total | 8.905 | 8.958 | 9.016 | 9.089 | 9.149 | 9.184 | 9.221 | 9.270 | 9.290 | 9.308 | 9.376 | 9.467 | 9.553 | 9.678 | 0.8% |

Table 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - South Atlantic-05

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.152 | 0.154 | 0.156 | 0.158 | 0.159 | 0.161 | 0.162 | 0.164 | 0.166 | 0.167 | 0.169 | 0.171 | 0.173 | 0.175 | 1.1% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.005 | 12.2% |
| Motor Gasoline 2/ | 3.991 | 4.069 | 4.145 | 4.226 | 4.308 | 4.387 | 4.472 | 4.556 | 4.641 | 4.732 | 4.823 | 4.911 | 5.001 | 5.091 | 1.5% |
| Jet Fuel 9/ | 0.399 | 0.403 | 0.409 | 0.412 | 0.414 | 0.417 | 0.419 | 0.422 | 0.424 | 0.427 | 0.430 | 0.433 | 0.437 | 0.442 | 1.5% |
| Kerosene | 0.043 | 0.042 | 0.042 | 0.042 | 0.041 | 0.041 | 0.041 | 0.040 | 0.040 | 0.040 | 0.039 | 0.039 | 0.039 | 0.039 | 0.2% |
| Distillate Fuel Oil | 1.774 | 1.796 | 1.823 | 1.854 | 1.886 | 1.920 | 1.956 | 1.995 | 2.038 | 2.084 | 2.129 | 2.175 | 2.221 | 2.269 | 1.8% |
| Residual Fuel Oil | 0.409 | 0.409 | 0.409 | 0.410 | 0.410 | 0.411 | 0.413 | 0.414 | 0.415 | 0.415 | 0.416 | 0.419 | 0.419 | 0.420 | -1.4% |
| Petrochemical Feedstocks | 0.209 | 0.209 | 0.210 | 0.212 | 0.213 | 0.214 | 0.216 | 0.217 | 0.218 | 0.220 | 0.222 | 0.223 | 0.226 | 0.227 | 0.6% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 43.7% |
| Other Petroleum 12/ | 0.384 | 0.385 | 0.386 | 0.392 | 0.392 | 0.395 | 0.400 | 0.402 | 0.406 | 0.409 | 0.413 | 0.418 | 0.419 | 0.424 | -0.1% |
| Liquid Fuels Subtotal | 7.362 | 7.469 | 7.580 | 7.706 | 7.824 | 7.948 | 8.082 | 8.212 | 8.351 | 8.498 | 8.646 | 8.796 | 8.940 | 9.092 | 1.3% |
| Natural Gas | 2.614 | 2.658 | 2.679 | 2.725 | 2.748 | 2.750 | 2.760 | 2.786 | 2.835 | 2.861 | 2.877 | 2.878 | 2.857 | 2.857 | 0.9% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 2.1% |
| Pipeline Natural Gas | 0.073 | 0.074 | 0.074 | 0.075 | 0.075 | 0.075 | 0.075 | 0.075 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 1.5% |
| Natural Gas Subtotal | 2.703 | 2.748 | 2.770 | 2.816 | 2.840 | 2.841 | 2.852 | 2.878 | 2.927 | 2.954 | 2.970 | 2.972 | 2.949 | 2.950 | 0.9% |
| Metallurgical Coal | 0.084 | 0.084 | 0.086 | 0.087 | 0.088 | 0.089 | 0.091 | 0.092 | 0.094 | 0.096 | 0.098 | 0.100 | 0.101 | 0.102 | 1.2% |
| Other Coal | 5.375 | 5.393 | 5.454 | 5.501 | 5.562 | 5.604 | 5.646 | 5.675 | 5.661 | 5.672 | 5.681 | 5.707 | 5.776 | 5.852 | 1.0% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | -0.010 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.008 | -0.008 | -0.008 | -0.008 | -0.008 | -0.007 | -0.007 | -5.1% |
| Coal Subtotal | 5.449 | 5.468 | 5.530 | 5.579 | 5.641 | 5.684 | 5.728 | 5.759 | 5.747 | 5.760 | 5.771 | 5.799 | 5.869 | 5.947 | 1.0% |
| Nuclear Power | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.089 | 2.149 | 2.229 | 2.296 | 2.362 | 0.6% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 1.031 | 1.043 | 1.054 | 1.062 | 1.068 | 1.089 | 1.098 | 1.122 | 1.139 | 1.151 | 1.167 | 1.181 | 1.187 | 1.201 | 1.6% |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Total | 19.381 | 19.576 | 19.793 | 20.030 | 20.254 | 20.456 | 20.658 | 20.879 | 21.086 | 21.294 | 21.554 | 21.833 | 22.108 | 22.428 | 1.2% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 13.924 | 14.125 | 14.346 | 14.579 | 14.803 | 15.037 | 15.272 | 15.518 | 15.773 | 16.038 | 16.308 | 16.576 | 16.837 | 17.111 | 1.6% |
| Total Energy Use | 19.381 | 19.576 | 19.793 | 20.030 | 20.254 | 20.456 | 20.658 | 20.879 | 21.086 | 21.294 | 21.554 | 21.833 | 22.108 | 22.428 | 1.2% |
| Population (millions) | 66.129 | 67.016 | 67.911 | 68.816 | 69.731 | 70.659 | 71.600 | 72.554 | 73.522 | 74.500 | 75.486 | 76.483 | 77.490 | 78.507 | 1.4% |
| Carbon Dioxide Emissions (million metric tons) | 1138.60 | 1149.97 | 1164.29 | 1179.70 | 1194.74 | 1207.18 | 1220.88 | 1233.83 | 1244.40 | 1256.86 | 1268.51 | 1281.46 | 1296.47 | 1313.85 | 1.1% |

Table 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - South Atlantic-05

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - East South Central-06

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.041 | 0.039 | 0.040 | 0.041 | 0.041 | 0.041 | 0.040 | 0.040 | 0.040 | 0.040 | 0.040 | 0.040 | 0.040 |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Distillate Fuel Oil | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Liquid Fuels Subtotal | 0.048 | 0.046 | 0.047 | 0.049 | 0.049 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 |
| Natural Gas | 0.195 | 0.196 | 0.175 | 0.194 | 0.197 | 0.199 | 0.200 | 0.202 | 0.204 | 0.205 | 0.206 | 0.206 | 0.207 |
| Coal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Renewable Energy 1/ Electricity | 0.262 | 0.402 | 0.403 | 0.401 | 0.408 | 0.412 | 0.416 | 0.420 | 0.426 | 0.429 | 0.433 | 0.437 | 0.441 |
| Delivered Energy | 0.650 | 0.673 | 0.654 | 0.676 | 0.686 | 0.691 | 0.697 | 0.703 | 0.710 | 0.713 | 0.717 | 0.722 | 0.728 |
| Electricity Related Losses | 0.897 | 0.953 | 0.942 | 0.984 | 1.007 | 1.029 | 1.046 | 1.041 | 1.142 | 1.145 | 1.153 | 1.168 | 1.233 |
| Total | 1.547 | 1.625 | 1.596 | 1.660 | 1.693 | 1.720 | 1.743 | 1.744 | 1.852 | 1.858 | 1.870 | 1.890 | 1.960 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.006 | 0.006 | 0.006 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Motor Gasoline 2/ Kerosene | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Distillate Fuel Oil | 0.019 | 0.020 | 0.020 | 0.017 | 0.017 | 0.018 | 0.018 | 0.019 | 0.019 | 0.020 | 0.020 | 0.021 | 0.021 |
| Residual Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Liquid Fuels Subtotal | 0.027 | 0.027 | 0.028 | 0.025 | 0.025 | 0.026 | 0.026 | 0.027 | 0.027 | 0.028 | 0.028 | 0.029 | 0.029 |
| Natural Gas | 0.142 | 0.145 | 0.132 | 0.140 | 0.148 | 0.150 | 0.153 | 0.157 | 0.161 | 0.165 | 0.168 | 0.171 | 0.174 |
| Coal | 0.009 | 0.009 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Renewable Energy 3/ Electricity | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Delivered Energy | 0.275 | 0.281 | 0.283 | 0.288 | 0.297 | 0.303 | 0.307 | 0.313 | 0.320 | 0.327 | 0.334 | 0.341 | 0.347 |
| Electricity Related Losses | 0.456 | 0.466 | 0.454 | 0.464 | 0.482 | 0.491 | 0.499 | 0.510 | 0.521 | 0.532 | 0.543 | 0.553 | 0.563 |
| Total | 0.649 | 0.667 | 0.661 | 0.705 | 0.735 | 0.756 | 0.772 | 0.776 | 0.858 | 0.874 | 0.890 | 0.911 | 0.970 |
| Total | 1.104 | 1.132 | 1.115 | 1.170 | 1.217 | 1.247 | 1.271 | 1.285 | 1.379 | 1.406 | 1.433 | 1.464 | 1.533 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.047 | 0.044 | 0.045 | 0.047 | 0.048 | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.027 | 0.027 | 0.028 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.028 | 0.028 | 0.028 | 0.028 |
| Residual Fuel Oil | 0.109 | 0.111 | 0.118 | 0.113 | 0.110 | 0.108 | 0.106 | 0.106 | 0.107 | 0.107 | 0.108 | 0.108 | 0.109 |
| Petrochemical Feedstocks | 0.005 | 0.005 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.107 | 0.098 | 0.093 | 0.100 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.105 | 0.105 |
| Natural Gas | 0.308 | 0.306 | 0.301 | 0.293 | 0.293 | 0.290 | 0.284 | 0.290 | 0.292 | 0.294 | 0.289 | 0.297 | 0.299 |
| Natural-Gas-to-Liquids Heat and Power | 0.603 | 0.591 | 0.589 | 0.584 | 0.584 | 0.579 | 0.572 | 0.578 | 0.580 | 0.583 | 0.579 | 0.587 | 0.592 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.496 | 0.468 | 0.482 | 0.425 | 0.430 | 0.436 | 0.452 | 0.449 | 0.452 | 0.457 | 0.467 | 0.462 | 0.464 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Industrial Coal | 0.028 | 0.027 | 0.026 | 0.026 | 0.026 | 0.026 | 0.027 | 0.026 | 0.026 | 0.025 | 0.025 | 0.025 | 0.024 |
| Coal-to-Liquids Heat and Power | 0.524 | 0.495 | 0.508 | 0.451 | 0.457 | 0.463 | 0.479 | 0.475 | 0.478 | 0.482 | 0.492 | 0.486 | 0.488 |
| Net Coal Coke Imports | 0.079 | 0.078 | 0.086 | 0.082 | 0.082 | 0.082 | 0.082 | 0.082 | 0.083 | 0.083 | 0.084 | 0.085 | 0.085 |
| Coal Subtotal | 0.179 | 0.170 | 0.170 | 0.166 | 0.168 | 0.169 | 0.170 | 0.169 | 0.169 | 0.168 | 0.168 | 0.167 | 0.167 |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Renewable Energy 7/ Electricity | -0.079 | -0.027 | -0.029 | -0.012 | -0.012 | -0.012 | -0.011 | -0.011 | -0.011 | -0.011 | -0.010 | -0.010 | -0.010 |
| Delivered Energy | 0.180 | 0.220 | 0.227 | 0.236 | 0.239 | 0.240 | 0.241 | 0.240 | 0.240 | 0.241 | 0.241 | 0.242 | 0.242 |
| Electricity Related Losses | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Total | 0.288 | 0.243 | 0.266 | 0.268 | 0.268 | 0.268 | 0.271 | 0.275 | 0.279 | 0.283 | 0.287 | 0.291 | 0.296 |
| Total | 0.434 | 0.436 | 0.439 | 0.426 | 0.431 | 0.430 | 0.433 | 0.435 | 0.438 | 0.441 | 0.443 | 0.446 | 0.449 |
| Total | 2.241 | 2.230 | 2.344 | 2.319 | 2.432 | 2.593 | 2.684 | 2.711 | 2.738 | 2.757 | 2.773 | 2.789 | 2.808 |
| Total | 1.023 | 1.033 | 1.026 | 1.045 | 1.063 | 1.075 | 1.087 | 1.077 | 1.175 | 1.176 | 1.180 | 1.193 | 1.255 |
| Total | 3.265 | 3.263 | 3.369 | 3.364 | 3.495 | 3.668 | 3.772 | 3.788 | 3.912 | 3.933 | 3.953 | 3.981 | 4.062 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.001 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - East South Central-06

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.170 | 1.169 | 1.181 | 1.180 | 1.184 | 1.191 | 1.201 | 1.215 | 1.229 | 1.243 | 1.260 | 1.277 | 1.294 |
| Jet Fuel 9/ | 0.168 | 0.167 | 0.169 | 0.175 | 0.181 | 0.190 | 0.201 | 0.205 | 0.207 | 0.210 | 0.212 | 0.213 | 0.215 |
| Distillate Fuel Oil 10/ | 0.501 | 0.508 | 0.522 | 0.532 | 0.540 | 0.548 | 0.557 | 0.567 | 0.578 | 0.587 | 0.595 | 0.603 | 0.611 |
| Residual Fuel Oil | 0.023 | 0.026 | 0.023 | 0.024 | 0.025 | 0.025 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.012 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 |
| Liquid Fuels Subtotal | 1.876 | 1.886 | 1.911 | 1.927 | 1.945 | 1.970 | 2.000 | 2.028 | 2.055 | 2.082 | 2.109 | 2.135 | 2.163 |
| Pipeline Fuel Natural Gas | 0.060 | 0.059 | 0.061 | 0.067 | 0.069 | 0.071 | 0.073 | 0.076 | 0.080 | 0.081 | 0.082 | 0.086 | 0.085 |
| Compressed Natural Gas | 0.001 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 |
| Electricity | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Delivered Energy | 1.937 | 1.947 | 1.975 | 1.997 | 2.018 | 2.045 | 2.078 | 2.110 | 2.141 | 2.169 | 2.197 | 2.227 | 2.254 |
| Electricity Related Losses | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Total | 1.938 | 1.947 | 1.975 | 1.998 | 2.018 | 2.046 | 2.078 | 2.110 | 2.142 | 2.170 | 2.198 | 2.228 | 2.255 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.096 | 0.091 | 0.094 | 0.097 | 0.097 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.198 | 1.197 | 1.210 | 1.208 | 1.211 | 1.219 | 1.229 | 1.243 | 1.257 | 1.272 | 1.289 | 1.306 | 1.323 |
| Jet Fuel 9/ | 0.168 | 0.167 | 0.169 | 0.175 | 0.181 | 0.190 | 0.201 | 0.205 | 0.207 | 0.210 | 0.212 | 0.213 | 0.215 |
| Kerosene | 0.005 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| Distillate Fuel Oil | 0.632 | 0.643 | 0.663 | 0.666 | 0.670 | 0.677 | 0.685 | 0.696 | 0.707 | 0.717 | 0.726 | 0.735 | 0.745 |
| Residual Fuel Oil | 0.028 | 0.031 | 0.028 | 0.028 | 0.028 | 0.028 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 |
| Petrochemical Feedstocks | 0.107 | 0.098 | 0.093 | 0.100 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.105 | 0.105 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.319 | 0.319 | 0.313 | 0.305 | 0.305 | 0.303 | 0.297 | 0.303 | 0.305 | 0.307 | 0.302 | 0.309 | 0.312 |
| Liquid Fuels Subtotal | 2.554 | 2.550 | 2.575 | 2.584 | 2.603 | 2.623 | 2.647 | 2.682 | 2.711 | 2.741 | 2.764 | 2.799 | 2.831 |
| Natural Gas | 0.834 | 0.810 | 0.791 | 0.762 | 0.779 | 0.789 | 0.810 | 0.814 | 0.823 | 0.832 | 0.846 | 0.846 | 0.852 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.028 | 0.027 | 0.026 | 0.026 | 0.026 | 0.026 | 0.027 | 0.026 | 0.026 | 0.025 | 0.025 | 0.025 | 0.024 |
| Pipeline Natural Gas | 0.060 | 0.059 | 0.061 | 0.067 | 0.069 | 0.071 | 0.073 | 0.076 | 0.080 | 0.081 | 0.082 | 0.086 | 0.085 |
| Natural Gas Subtotal | 0.922 | 0.896 | 0.878 | 0.855 | 0.874 | 0.887 | 0.910 | 0.916 | 0.929 | 0.938 | 0.954 | 0.956 | 0.961 |
| Metallurgical Coal | 0.079 | 0.078 | 0.086 | 0.082 | 0.082 | 0.082 | 0.082 | 0.082 | 0.083 | 0.083 | 0.084 | 0.085 | 0.085 |
| Other Coal | 0.189 | 0.180 | 0.179 | 0.175 | 0.178 | 0.179 | 0.179 | 0.179 | 0.178 | 0.178 | 0.177 | 0.177 | 0.177 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.079 | -0.027 | -0.029 | -0.012 | -0.012 | -0.012 | -0.011 | -0.011 | -0.011 | -0.011 | -0.010 | -0.010 | -0.010 |
| Coal Subtotal | 0.190 | 0.230 | 0.235 | 0.245 | 0.248 | 0.249 | 0.250 | 0.250 | 0.250 | 0.250 | 0.251 | 0.251 | 0.252 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.318 | 0.275 | 0.298 | 0.302 | 0.303 | 0.303 | 0.305 | 0.309 | 0.313 | 0.317 | 0.320 | 0.325 | 0.330 |
| Electricity | 1.089 | 1.119 | 1.124 | 1.116 | 1.136 | 1.145 | 1.157 | 1.169 | 1.184 | 1.197 | 1.210 | 1.224 | 1.238 |
| Delivered Energy | 5.285 | 5.315 | 5.427 | 5.457 | 5.618 | 5.820 | 5.958 | 6.033 | 6.109 | 6.171 | 6.230 | 6.291 | 6.352 |
| Electricity Related Losses | 2.570 | 2.653 | 2.629 | 2.734 | 2.806 | 2.861 | 2.905 | 2.895 | 3.176 | 3.196 | 3.224 | 3.273 | 3.459 |
| Total | 7.854 | 7.968 | 8.056 | 8.191 | 8.424 | 8.681 | 8.863 | 8.928 | 9.285 | 9.367 | 9.455 | 9.564 | 9.811 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.009 | 0.013 | 0.017 | 0.017 | 0.017 | 0.018 | 0.018 | 0.019 | 0.020 | 0.020 | 0.020 | 0.021 | 0.021 |
| Residual Fuel Oil | 0.064 | 0.048 | 0.062 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.022 | 0.003 | 0.019 |
| Liquid Fuels Subtotal | 0.073 | 0.061 | 0.079 | 0.019 | 0.019 | 0.020 | 0.020 | 0.022 | 0.023 | 0.023 | 0.043 | 0.024 | 0.040 |
| Natural Gas | 0.238 | 0.275 | 0.171 | 0.299 | 0.401 | 0.434 | 0.456 | 0.413 | 0.553 | 0.542 | 0.517 | 0.524 | 0.563 |
| Steam Coal | 2.392 | 2.469 | 2.533 | 2.544 | 2.519 | 2.534 | 2.567 | 2.580 | 2.617 | 2.640 | 2.668 | 2.714 | 2.736 |
| Nuclear Power | 0.731 | 0.726 | 0.724 | 0.724 | 0.721 | 0.715 | 0.715 | 0.734 | 0.858 | 0.876 | 0.890 | 0.921 | 1.045 |
| Renewable Energy 15/ | 0.225 | 0.241 | 0.247 | 0.263 | 0.282 | 0.302 | 0.305 | 0.315 | 0.309 | 0.312 | 0.317 | 0.314 | 0.313 |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | 3.658 | 3.772 | 3.754 | 3.850 | 3.942 | 4.006 | 4.063 | 4.064 | 4.360 | 4.393 | 4.435 | 4.497 | 4.697 |

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - East South Central-06

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.096 | 0.091 | 0.094 | 0.097 | 0.097 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 | 0.096 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.198 | 1.197 | 1.210 | 1.208 | 1.211 | 1.219 | 1.229 | 1.243 | 1.257 | 1.272 | 1.289 | 1.306 | 1.323 |
| Jet Fuel 9/ | 0.168 | 0.167 | 0.169 | 0.175 | 0.181 | 0.190 | 0.201 | 0.205 | 0.207 | 0.210 | 0.212 | 0.213 | 0.215 |
| Kerosene | 0.005 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| Distillate Fuel Oil | 0.641 | 0.655 | 0.680 | 0.683 | 0.687 | 0.694 | 0.703 | 0.715 | 0.727 | 0.738 | 0.747 | 0.756 | 0.766 |
| Residual Fuel Oil | 0.092 | 0.079 | 0.091 | 0.030 | 0.030 | 0.031 | 0.031 | 0.031 | 0.032 | 0.032 | 0.051 | 0.032 | 0.048 |
| Petrochemical Feedstocks | 0.107 | 0.098 | 0.093 | 0.100 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.104 | 0.105 | 0.105 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.319 | 0.319 | 0.313 | 0.305 | 0.305 | 0.303 | 0.297 | 0.303 | 0.305 | 0.307 | 0.302 | 0.309 | 0.312 |
| Liquid Fuels Subtotal | 2.626 | 2.611 | 2.654 | 2.604 | 2.623 | 2.643 | 2.667 | 2.703 | 2.734 | 2.764 | 2.807 | 2.823 | 2.872 |
| Natural Gas | 1.072 | 1.085 | 0.963 | 1.062 | 1.180 | 1.224 | 1.265 | 1.226 | 1.376 | 1.374 | 1.363 | 1.370 | 1.415 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.028 | 0.027 | 0.026 | 0.026 | 0.026 | 0.026 | 0.027 | 0.026 | 0.026 | 0.025 | 0.025 | 0.025 | 0.024 |
| Pipeline Natural Gas | 0.060 | 0.059 | 0.061 | 0.067 | 0.069 | 0.071 | 0.073 | 0.076 | 0.080 | 0.081 | 0.082 | 0.086 | 0.085 |
| Natural Gas Subtotal | 1.160 | 1.170 | 1.049 | 1.155 | 1.275 | 1.321 | 1.365 | 1.329 | 1.482 | 1.480 | 1.471 | 1.480 | 1.524 |
| Metallurgical Coal | 0.079 | 0.078 | 0.086 | 0.082 | 0.082 | 0.082 | 0.082 | 0.082 | 0.083 | 0.083 | 0.084 | 0.085 | 0.085 |
| Other Coal | 2.581 | 2.649 | 2.712 | 2.719 | 2.697 | 2.713 | 2.746 | 2.759 | 2.795 | 2.817 | 2.845 | 2.890 | 2.913 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | -0.079 | -0.027 | -0.029 | -0.012 | -0.012 | -0.012 | -0.011 | -0.011 | -0.011 | -0.011 | -0.010 | -0.010 | -0.010 |
| Coal Subtotal | 2.582 | 2.700 | 2.768 | 2.789 | 2.768 | 2.783 | 2.817 | 2.830 | 2.867 | 2.890 | 2.919 | 2.965 | 2.988 |
| Nuclear Power | 0.731 | 0.726 | 0.724 | 0.724 | 0.721 | 0.715 | 0.715 | 0.734 | 0.858 | 0.876 | 0.890 | 0.921 | 1.045 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.543 | 0.516 | 0.545 | 0.566 | 0.584 | 0.605 | 0.611 | 0.624 | 0.622 | 0.629 | 0.637 | 0.639 | 0.642 |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | 7.854 | 7.968 | 8.056 | 8.191 | 8.424 | 8.681 | 8.863 | 8.928 | 9.285 | 9.367 | 9.455 | 9.564 | 9.811 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 5.285 | 5.315 | 5.427 | 5.457 | 5.618 | 5.820 | 5.958 | 6.033 | 6.109 | 6.171 | 6.230 | 6.291 | 6.352 |
| Total Energy Use | 7.854 | 7.968 | 8.056 | 8.191 | 8.424 | 8.681 | 8.863 | 8.928 | 9.285 | 9.367 | 9.455 | 9.564 | 9.811 |
| Population (millions) | 17.514 | 17.615 | 17.714 | 17.811 | 17.906 | 18.002 | 18.097 | 18.191 | 18.284 | 18.377 | 18.469 | 18.559 | 18.649 |
| Carbon Dioxide Emissions (million metric tons) | 469.54 | 481.35 | 484.54 | 487.56 | 492.50 | 497.00 | 503.81 | 505.63 | 519.23 | 523.31 | 528.85 | 534.39 | 542.28 |

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - East South Central-06

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.040 | 0.040 | 0.040 | 0.040 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.0% |
| Kerosene | 0.005 | 0.005 | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.9% |
| Distillate Fuel Oil | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | -1.3% |
| Liquid Fuels Subtotal | 0.048 | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.045 | 0.045 | -0.1% |
| Natural Gas | 0.207 | 0.207 | 0.208 | 0.209 | 0.208 | 0.209 | 0.209 | 0.209 | 0.209 | 0.209 | 0.209 | 0.209 | 0.209 | 0.209 | 0.3% |
| Coal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -1.1% |
| Renewable Energy 1/ Electricity | 0.444 | 0.447 | 0.451 | 0.456 | 0.458 | 0.462 | 0.465 | 0.470 | 0.472 | 0.475 | 0.479 | 0.483 | 0.485 | 0.488 | 0.8% |
| Delivered Energy | 0.729 | 0.733 | 0.737 | 0.743 | 0.745 | 0.748 | 0.752 | 0.757 | 0.758 | 0.762 | 0.765 | 0.770 | 0.771 | 0.774 | 0.6% |
| Electricity Related Losses | 1.278 | 1.338 | 1.403 | 1.450 | 1.466 | 1.481 | 1.518 | 1.569 | 1.623 | 1.684 | 1.741 | 1.789 | 1.825 | 1.877 | 2.7% |
| Total | 2.007 | 2.071 | 2.140 | 2.193 | 2.211 | 2.229 | 2.270 | 2.326 | 2.381 | 2.446 | 2.506 | 2.559 | 2.596 | 2.650 | 2.0% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 | 0.6% |
| Motor Gasoline 2/ Kerosene | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.6% |
| Distillate Fuel Oil | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.7% |
| Residual Fuel Oil | 0.021 | 0.021 | 0.021 | 0.021 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | 0.023 | 0.023 | 0.023 | 0.023 | 0.024 | 0.7% |
| Liquid Fuels Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.6% |
| Natural Gas | 0.029 | 0.029 | 0.030 | 0.030 | 0.030 | 0.030 | 0.031 | 0.031 | 0.031 | 0.031 | 0.032 | 0.032 | 0.032 | 0.032 | 0.7% |
| Coal | 0.177 | 0.179 | 0.182 | 0.185 | 0.188 | 0.191 | 0.194 | 0.196 | 0.200 | 0.203 | 0.206 | 0.210 | 0.213 | 0.217 | 1.6% |
| Renewable Energy 3/ Electricity | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | -0.2% |
| Delivered Energy | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.0% |
| Electricity Related Losses | 0.354 | 0.361 | 0.367 | 0.374 | 0.382 | 0.389 | 0.397 | 0.405 | 0.414 | 0.422 | 0.431 | 0.440 | 0.449 | 0.458 | 2.0% |
| Total | 0.572 | 0.581 | 0.591 | 0.601 | 0.612 | 0.622 | 0.634 | 0.644 | 0.656 | 0.668 | 0.681 | 0.693 | 0.706 | 0.719 | 1.8% |
| Electricity Related Losses | 1.019 | 1.078 | 1.142 | 1.189 | 1.221 | 1.248 | 1.297 | 1.354 | 1.422 | 1.494 | 1.566 | 1.628 | 1.689 | 1.762 | 4.0% |
| Total | 1.591 | 1.659 | 1.733 | 1.790 | 1.833 | 1.871 | 1.930 | 1.998 | 2.078 | 2.162 | 2.247 | 2.321 | 2.395 | 2.481 | 3.2% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 | 0.047 | 0.048 | 0.048 | 0.048 | 0.048 | 0.049 | 0.049 | 0.050 | 0.050 | 0.5% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.028 | 0.029 | 0.029 | 0.029 | 0.029 | 0.030 | 0.030 | 0.030 | 0.030 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.6% |
| Residual Fuel Oil | 0.110 | 0.110 | 0.111 | 0.112 | 0.112 | 0.112 | 0.113 | 0.113 | 0.114 | 0.115 | 0.116 | 0.116 | 0.117 | 0.117 | 0.2% |
| Petrochemical Feedstocks | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | -1.7% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.105 | 0.105 | 0.106 | 0.106 | 0.107 | 0.108 | 0.108 | 0.109 | 0.110 | 0.110 | 0.111 | 0.112 | 0.113 | 0.114 | 0.6% |
| Natural Gas | 0.295 | 0.303 | 0.307 | 0.304 | 0.313 | 0.316 | 0.320 | 0.322 | 0.317 | 0.327 | 0.329 | 0.323 | 0.324 | 0.333 | 0.3% |
| Coal | 0.588 | 0.597 | 0.602 | 0.601 | 0.611 | 0.616 | 0.621 | 0.625 | 0.622 | 0.635 | 0.639 | 0.634 | 0.639 | 0.650 | 0.4% |
| Natural Gas-to-Liquids Heat and Power | 0.473 | 0.467 | 0.471 | 0.485 | 0.481 | 0.486 | 0.488 | 0.492 | 0.507 | 0.502 | 0.507 | 0.522 | 0.527 | 0.522 | 0.4% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Metallurgical Coal | 0.024 | 0.024 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | -0.8% |
| Other Industrial Coal | 0.498 | 0.491 | 0.495 | 0.509 | 0.505 | 0.509 | 0.511 | 0.514 | 0.530 | 0.524 | 0.530 | 0.544 | 0.549 | 0.545 | 0.4% |
| Coal-to-Liquids Heat and Power | 0.085 | 0.086 | 0.087 | 0.088 | 0.090 | 0.091 | 0.092 | 0.094 | 0.096 | 0.098 | 0.100 | 0.102 | 0.103 | 0.104 | 1.2% |
| Net Coal Coke Imports | 0.167 | 0.167 | 0.167 | 0.167 | 0.167 | 0.168 | 0.168 | 0.168 | 0.168 | 0.169 | 0.169 | 0.170 | 0.170 | 0.170 | 0.0% |
| Coal Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Biofuels Heat and Coproducts | -0.010 | -0.010 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.008 | -0.008 | -0.008 | -0.008 | -0.008 | -0.007 | -5.1% |
| Renewable Energy 7/ Electricity | 0.242 | 0.243 | 0.245 | 0.246 | 0.248 | 0.250 | 0.252 | 0.254 | 0.256 | 0.258 | 0.261 | 0.263 | 0.265 | 0.267 | 0.8% |
| Delivered Energy | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Electricity Related Losses | 0.299 | 0.302 | 0.306 | 0.311 | 0.314 | 0.318 | 0.322 | 0.327 | 0.332 | 0.337 | 0.342 | 0.346 | 0.351 | 0.356 | 1.5% |
| Total | 0.450 | 0.450 | 0.453 | 0.455 | 0.458 | 0.461 | 0.464 | 0.467 | 0.471 | 0.475 | 0.480 | 0.485 | 0.488 | 0.493 | 0.5% |
| Delivered Energy | 2.826 | 2.843 | 2.871 | 2.900 | 2.928 | 2.959 | 2.979 | 3.006 | 3.043 | 3.071 | 3.102 | 3.129 | 3.158 | 3.186 | 1.4% |
| Electricity Related Losses | 1.296 | 1.346 | 1.409 | 1.447 | 1.464 | 1.478 | 1.513 | 1.560 | 1.620 | 1.684 | 1.746 | 1.795 | 1.838 | 1.896 | 2.5% |
| Total | 4.121 | 4.189 | 4.280 | 4.347 | 4.392 | 4.437 | 4.492 | 4.566 | 4.664 | 4.754 | 4.849 | 4.924 | 4.997 | 5.082 | 1.8% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 2.7% |

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - East South Central-06

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 12.2% |
| Motor Gasoline 2/ | 1.311 | 1.327 | 1.342 | 1.358 | 1.374 | 1.389 | 1.405 | 1.420 | 1.435 | 1.451 | 1.467 | 1.482 | 1.497 | 1.511 | 1.0% |
| Jet Fuel 9/ | 0.217 | 0.219 | 0.221 | 0.221 | 0.221 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.221 | 0.221 | 0.222 | 0.223 | 1.2% |
| Distillate Fuel Oil 10/ | 0.617 | 0.622 | 0.630 | 0.639 | 0.648 | 0.658 | 0.668 | 0.679 | 0.692 | 0.706 | 0.720 | 0.734 | 0.747 | 0.761 | 1.6% |
| Residual Fuel Oil | 0.026 | 0.026 | 0.026 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | -0.1% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.0% |
| Other Petroleum 11/ | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.1% |
| Liquid Fuels Subtotal | 2.187 | 2.210 | 2.235 | 2.260 | 2.286 | 2.310 | 2.336 | 2.362 | 2.391 | 2.421 | 2.451 | 2.481 | 2.510 | 2.539 | 1.2% |
| Pipeline Fuel Natural Gas | 0.085 | 0.086 | 0.086 | 0.085 | 0.085 | 0.085 | 0.085 | 0.084 | 0.083 | 0.083 | 0.083 | 0.082 | 0.082 | 0.082 | 1.3% |
| Compressed Natural Gas | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 6.2% |
| Electricity | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.2% |
| Delivered Energy | 2.279 | 2.303 | 2.328 | 2.353 | 2.378 | 2.403 | 2.429 | 2.455 | 2.483 | 2.513 | 2.543 | 2.572 | 2.601 | 2.631 | 1.2% |
| Electricity Related Losses | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 5.2% |
| Total | 2.280 | 2.304 | 2.329 | 2.354 | 2.380 | 2.405 | 2.430 | 2.456 | 2.484 | 2.515 | 2.545 | 2.574 | 2.603 | 2.633 | 1.2% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.096 | 0.095 | 0.096 | 0.096 | 0.096 | 0.096 | 0.097 | 0.097 | 0.097 | 0.097 | 0.098 | 0.098 | 0.099 | 0.099 | 0.3% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 12.2% |
| Motor Gasoline 2/ | 1.340 | 1.356 | 1.372 | 1.388 | 1.405 | 1.419 | 1.436 | 1.451 | 1.466 | 1.483 | 1.499 | 1.514 | 1.529 | 1.544 | 1.0% |
| Jet Fuel 9/ | 0.217 | 0.219 | 0.221 | 0.221 | 0.221 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.221 | 0.221 | 0.222 | 0.223 | 1.2% |
| Kerosene | 0.007 | 0.007 | 0.007 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.7% |
| Distillate Fuel Oil | 0.751 | 0.757 | 0.765 | 0.775 | 0.784 | 0.795 | 0.806 | 0.817 | 0.832 | 0.847 | 0.861 | 0.875 | 0.889 | 0.904 | 1.4% |
| Residual Fuel Oil | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | -0.3% |
| Petrochemical Feedstocks | 0.105 | 0.105 | 0.106 | 0.106 | 0.107 | 0.108 | 0.108 | 0.109 | 0.110 | 0.110 | 0.111 | 0.112 | 0.113 | 0.114 | 0.6% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.0% |
| Other Petroleum 12/ | 0.307 | 0.316 | 0.319 | 0.316 | 0.326 | 0.329 | 0.332 | 0.335 | 0.330 | 0.340 | 0.342 | 0.336 | 0.337 | 0.346 | 0.3% |
| Liquid Fuels Subtotal | 2.852 | 2.884 | 2.914 | 2.938 | 2.974 | 3.004 | 3.035 | 3.065 | 3.090 | 3.133 | 3.168 | 3.193 | 3.226 | 3.267 | 1.0% |
| Natural Gas | 0.863 | 0.860 | 0.868 | 0.886 | 0.885 | 0.893 | 0.898 | 0.905 | 0.923 | 0.922 | 0.931 | 0.950 | 0.958 | 0.957 | 0.7% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.024 | 0.024 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | -0.8% |
| Pipeline Natural Gas | 0.085 | 0.086 | 0.086 | 0.085 | 0.085 | 0.085 | 0.085 | 0.084 | 0.083 | 0.083 | 0.083 | 0.082 | 0.082 | 0.082 | 1.3% |
| Natural Gas Subtotal | 0.973 | 0.970 | 0.977 | 0.994 | 0.993 | 1.001 | 1.006 | 1.012 | 1.029 | 1.028 | 1.037 | 1.055 | 1.062 | 1.061 | 0.7% |
| Metallurgical Coal | 0.085 | 0.086 | 0.087 | 0.088 | 0.090 | 0.091 | 0.092 | 0.094 | 0.096 | 0.098 | 0.100 | 0.102 | 0.103 | 0.104 | 1.2% |
| Other Coal | 0.176 | 0.176 | 0.176 | 0.177 | 0.177 | 0.177 | 0.177 | 0.177 | 0.178 | 0.178 | 0.178 | 0.179 | 0.179 | 0.179 | 0.0% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | -0.010 | -0.010 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.008 | -0.008 | -0.008 | -0.008 | -0.008 | -0.007 | -5.1% |
| Coal Subtotal | 0.252 | 0.253 | 0.254 | 0.256 | 0.258 | 0.259 | 0.261 | 0.263 | 0.265 | 0.268 | 0.270 | 0.273 | 0.274 | 0.276 | 0.7% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.333 | 0.336 | 0.340 | 0.344 | 0.348 | 0.352 | 0.356 | 0.361 | 0.366 | 0.371 | 0.376 | 0.380 | 0.385 | 0.390 | 1.4% |
| Electricity | 1.248 | 1.259 | 1.272 | 1.286 | 1.298 | 1.312 | 1.326 | 1.342 | 1.357 | 1.373 | 1.390 | 1.408 | 1.423 | 1.439 | 1.0% |
| Delivered Energy | 6.406 | 6.460 | 6.528 | 6.597 | 6.663 | 6.733 | 6.793 | 6.862 | 6.941 | 7.014 | 7.092 | 7.165 | 7.236 | 7.310 | 1.3% |
| Electricity Related Losses | 3.594 | 3.763 | 3.955 | 4.087 | 4.153 | 4.209 | 4.329 | 4.485 | 4.666 | 4.863 | 5.054 | 5.213 | 5.353 | 5.536 | 3.0% |
| Total | 10.000 | 10.223 | 10.483 | 10.684 | 10.815 | 10.942 | 11.122 | 11.347 | 11.607 | 11.877 | 12.146 | 12.378 | 12.590 | 12.845 | 1.9% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.021 | 0.021 | 0.021 | 0.022 | 0.022 | 0.022 | 0.023 | 0.024 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 2.4% |
| Residual Fuel Oil | 0.012 | 0.009 | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.008 | 0.002 | 0.002 | -11.5% |
| Liquid Fuels Subtotal | 0.033 | 0.030 | 0.024 | 0.025 | 0.024 | 0.024 | 0.025 | 0.027 | 0.026 | 0.026 | 0.025 | 0.031 | 0.025 | 0.025 | -3.4% |
| Natural Gas | 0.539 | 0.515 | 0.498 | 0.495 | 0.479 | 0.451 | 0.389 | 0.381 | 0.381 | 0.382 | 0.375 | 0.360 | 0.359 | 0.365 | 1.1% |
| Steam Coal | 2.737 | 2.739 | 2.813 | 2.928 | 3.015 | 3.101 | 3.295 | 3.474 | 3.669 | 3.880 | 4.097 | 4.284 | 4.450 | 4.634 | 2.6% |
| Nuclear Power | 1.216 | 1.427 | 1.578 | 1.620 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 3.3% |
| Renewable Energy 15/ | 0.317 | 0.311 | 0.314 | 0.305 | 0.304 | 0.317 | 0.317 | 0.317 | 0.318 | 0.320 | 0.319 | 0.317 | 0.313 | 0.322 | 1.2% |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -2.6% |
| Total | 4.842 | 5.022 | 5.227 | 5.373 | 5.451 | 5.521 | 5.656 | 5.827 | 6.023 | 6.236 | 6.445 | 6.621 | 6.776 | 6.975 | 2.5% |

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - East South Central-06

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.096 | 0.095 | 0.096 | 0.096 | 0.096 | 0.096 | 0.097 | 0.097 | 0.097 | 0.097 | 0.098 | 0.098 | 0.099 | 0.099 | 0.3% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 12.2% |
| Motor Gasoline 2/ | 1.340 | 1.356 | 1.372 | 1.388 | 1.405 | 1.419 | 1.436 | 1.451 | 1.466 | 1.483 | 1.499 | 1.514 | 1.529 | 1.544 | 1.0% |
| Jet Fuel 9/ | 0.217 | 0.219 | 0.221 | 0.221 | 0.221 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.221 | 0.221 | 0.222 | 0.223 | 1.2% |
| Kerosene | 0.007 | 0.007 | 0.007 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.7% |
| Distillate Fuel Oil | 0.772 | 0.778 | 0.786 | 0.796 | 0.806 | 0.817 | 0.829 | 0.841 | 0.855 | 0.870 | 0.884 | 0.899 | 0.913 | 0.927 | 1.4% |
| Residual Fuel Oil | 0.041 | 0.038 | 0.032 | 0.032 | 0.031 | 0.031 | 0.031 | 0.032 | 0.031 | 0.031 | 0.031 | 0.037 | 0.031 | 0.031 | -3.7% |
| Petrochemical Feedstocks | 0.105 | 0.105 | 0.106 | 0.106 | 0.107 | 0.108 | 0.108 | 0.109 | 0.110 | 0.110 | 0.111 | 0.112 | 0.113 | 0.114 | 0.6% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.0% |
| Other Petroleum 12/ | 0.307 | 0.316 | 0.319 | 0.316 | 0.326 | 0.329 | 0.332 | 0.335 | 0.330 | 0.340 | 0.342 | 0.336 | 0.337 | 0.346 | 0.3% |
| Liquid Fuels Subtotal | 2.885 | 2.914 | 2.938 | 2.963 | 2.998 | 3.028 | 3.060 | 3.092 | 3.116 | 3.159 | 3.193 | 3.224 | 3.251 | 3.292 | 0.9% |
| Natural Gas | 1.403 | 1.375 | 1.365 | 1.380 | 1.364 | 1.344 | 1.288 | 1.285 | 1.304 | 1.304 | 1.306 | 1.310 | 1.317 | 1.322 | 0.8% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.024 | 0.024 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | -0.8% |
| Pipeline Natural Gas | 0.085 | 0.086 | 0.086 | 0.085 | 0.085 | 0.085 | 0.085 | 0.084 | 0.083 | 0.083 | 0.083 | 0.082 | 0.082 | 0.082 | 1.3% |
| Natural Gas Subtotal | 1.512 | 1.484 | 1.475 | 1.489 | 1.472 | 1.452 | 1.395 | 1.392 | 1.410 | 1.409 | 1.411 | 1.415 | 1.421 | 1.426 | 0.8% |
| Metallurgical Coal | 0.085 | 0.086 | 0.087 | 0.088 | 0.090 | 0.091 | 0.092 | 0.094 | 0.096 | 0.098 | 0.100 | 0.102 | 0.103 | 0.104 | 1.2% |
| Other Coal | 2.914 | 2.916 | 2.990 | 3.105 | 3.192 | 3.278 | 3.473 | 3.651 | 3.847 | 4.058 | 4.275 | 4.463 | 4.629 | 4.813 | 2.4% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | -0.010 | -0.010 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.009 | -0.008 | -0.008 | -0.008 | -0.008 | -0.008 | -0.007 | -5.1% |
| Coal Subtotal | 2.989 | 2.992 | 3.068 | 3.184 | 3.272 | 3.360 | 3.556 | 3.737 | 3.935 | 4.148 | 4.367 | 4.557 | 4.724 | 4.910 | 2.4% |
| Nuclear Power | 1.216 | 1.427 | 1.578 | 1.620 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 1.629 | 3.3% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 0.650 | 0.647 | 0.654 | 0.650 | 0.653 | 0.669 | 0.673 | 0.678 | 0.684 | 0.692 | 0.695 | 0.698 | 0.698 | 0.712 | 1.3% |
| Electricity Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -2.6% |
| Total | 10.000 | 10.223 | 10.483 | 10.684 | 10.815 | 10.942 | 11.122 | 11.347 | 11.607 | 11.877 | 12.146 | 12.378 | 12.590 | 12.845 | 1.9% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 6.406 | 6.460 | 6.528 | 6.597 | 6.663 | 6.733 | 6.793 | 6.862 | 6.941 | 7.014 | 7.092 | 7.165 | 7.236 | 7.310 | 1.3% |
| Total Energy Use | 10.000 | 10.223 | 10.483 | 10.684 | 10.815 | 10.942 | 11.122 | 11.347 | 11.607 | 11.877 | 12.146 | 12.378 | 12.590 | 12.845 | 1.9% |
| Population (millions) | 18.739 | 18.827 | 18.915 | 19.003 | 19.091 | 19.180 | 19.270 | 19.360 | 19.452 | 19.544 | 19.637 | 19.730 | 19.824 | 19.918 | 0.5% |
| Carbon Dioxide Emissions (million metric tons) | 542.62 | 543.29 | 551.30 | 564.60 | 574.31 | 583.49 | 601.07 | 619.92 | 640.96 | 663.63 | 686.59 | 706.73 | 724.56 | 744.83 | 1.8% |

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - East South Central-06

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West South Central-07

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.062 | 0.058 | 0.060 | 0.060 | 0.061 | 0.061 | 0.063 | 0.064 | 0.065 | 0.066 | 0.068 | 0.069 | 0.070 |
| Kerosene | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Distillate Fuel Oil | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Liquid Fuels Subtotal | 0.063 | 0.059 | 0.061 | 0.061 | 0.062 | 0.063 | 0.064 | 0.065 | 0.067 | 0.068 | 0.069 | 0.070 | 0.071 |
| Natural Gas | 0.337 | 0.321 | 0.293 | 0.326 | 0.329 | 0.332 | 0.334 | 0.337 | 0.340 | 0.341 | 0.342 | 0.343 | 0.344 |
| Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Renewable Energy 1/ Electricity | 0.630 | 0.661 | 0.692 | 0.693 | 0.710 | 0.724 | 0.739 | 0.753 | 0.767 | 0.777 | 0.788 | 0.800 | 0.813 |
| Delivered Energy | 1.048 | 1.061 | 1.066 | 1.103 | 1.124 | 1.141 | 1.160 | 1.178 | 1.196 | 1.208 | 1.221 | 1.235 | 1.252 |
| Electricity Related Losses | 1.331 | 1.382 | 1.403 | 1.348 | 1.367 | 1.387 | 1.417 | 1.459 | 1.465 | 1.450 | 1.463 | 1.482 | 1.481 |
| Total | 2.380 | 2.443 | 2.469 | 2.451 | 2.492 | 2.528 | 2.577 | 2.637 | 2.661 | 2.658 | 2.684 | 2.718 | 2.733 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.009 | 0.009 | 0.010 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 |
| Motor Gasoline 2/ Kerosene | 0.010 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 |
| Distillate Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Residual Fuel Oil | 0.022 | 0.022 | 0.023 | 0.020 | 0.020 | 0.021 | 0.021 | 0.022 | 0.023 | 0.023 | 0.024 | 0.024 | 0.024 |
| Liquid Fuels Subtotal | 0.000 | 0.001 | 0.001 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Natural Gas | 0.042 | 0.043 | 0.045 | 0.041 | 0.042 | 0.043 | 0.043 | 0.044 | 0.045 | 0.046 | 0.046 | 0.047 | 0.047 |
| Coal | 0.341 | 0.315 | 0.307 | 0.320 | 0.330 | 0.338 | 0.345 | 0.354 | 0.363 | 0.370 | 0.375 | 0.381 | 0.386 |
| Renewable Energy 3/ Electricity | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Delivered Energy | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Electricity Related Losses | 0.512 | 0.557 | 0.563 | 0.575 | 0.596 | 0.610 | 0.622 | 0.635 | 0.647 | 0.658 | 0.669 | 0.680 | 0.691 |
| Total | 0.903 | 0.923 | 0.922 | 0.944 | 0.976 | 0.999 | 1.018 | 1.041 | 1.062 | 1.081 | 1.098 | 1.115 | 1.131 |
| Electricity Related Losses | 1.083 | 1.163 | 1.142 | 1.118 | 1.149 | 1.168 | 1.192 | 1.230 | 1.235 | 1.229 | 1.242 | 1.261 | 1.260 |
| Total | 1.985 | 2.086 | 2.065 | 2.062 | 2.126 | 2.167 | 2.209 | 2.271 | 2.297 | 2.310 | 2.340 | 2.376 | 2.391 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 1.868 | 1.751 | 1.801 | 1.905 | 1.923 | 1.892 | 1.875 | 1.872 | 1.871 | 1.868 | 1.869 | 1.869 | 1.873 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.047 | 0.047 | 0.048 | 0.047 | 0.046 | 0.046 | 0.047 | 0.047 | 0.047 | 0.047 | 0.048 | 0.048 | 0.048 |
| Residual Fuel Oil | 0.208 | 0.212 | 0.226 | 0.215 | 0.210 | 0.206 | 0.204 | 0.204 | 0.204 | 0.205 | 0.206 | 0.207 | 0.209 |
| Petrochemical Feedstocks | 0.031 | 0.033 | 0.031 | 0.022 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.828 | 0.757 | 0.719 | 0.778 | 0.805 | 0.804 | 0.808 | 0.808 | 0.809 | 0.809 | 0.810 | 0.811 | 0.814 |
| Natural Gas | 1.474 | 1.398 | 1.436 | 1.391 | 1.452 | 1.446 | 1.358 | 1.460 | 1.468 | 1.473 | 1.388 | 1.489 | 1.504 |
| Natural-Gas-to-Liquids Heat and Power | 4.456 | 4.199 | 4.261 | 4.359 | 4.458 | 4.415 | 4.313 | 4.411 | 4.419 | 4.423 | 4.343 | 4.444 | 4.470 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 2.964 | 2.408 | 2.478 | 2.858 | 2.898 | 2.940 | 3.104 | 3.002 | 3.018 | 3.031 | 3.160 | 3.037 | 3.042 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Industrial Coal | 0.533 | 0.493 | 0.531 | 0.520 | 0.524 | 0.528 | 0.526 | 0.522 | 0.531 | 0.529 | 0.541 | 0.539 | 0.538 |
| Coal-to-Liquids Heat and Power | 3.496 | 2.901 | 3.010 | 3.378 | 3.423 | 3.468 | 3.630 | 3.524 | 3.550 | 3.560 | 3.702 | 3.576 | 3.580 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.102 | 0.096 | 0.095 | 0.097 | 0.099 | 0.099 | 0.100 | 0.099 | 0.099 | 0.099 | 0.098 | 0.098 | 0.098 |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Renewable Energy 7/ Electricity | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Delivered Energy | 0.102 | 0.096 | 0.095 | 0.097 | 0.099 | 0.099 | 0.100 | 0.099 | 0.099 | 0.099 | 0.098 | 0.098 | 0.098 |
| Electricity Related Losses | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Total | 0.308 | 0.262 | 0.287 | 0.289 | 0.289 | 0.289 | 0.292 | 0.296 | 0.301 | 0.306 | 0.310 | 0.315 | 0.320 |
| Delivered Energy | 0.547 | 0.533 | 0.531 | 0.568 | 0.577 | 0.577 | 0.580 | 0.577 | 0.582 | 0.586 | 0.587 | 0.593 | 0.597 |
| Electricity Related Losses | 9.123 | 8.235 | 8.499 | 9.046 | 9.298 | 9.461 | 9.604 | 9.615 | 9.672 | 9.701 | 9.771 | 9.762 | 9.806 |
| Total | 1.157 | 1.114 | 1.076 | 1.106 | 1.111 | 1.105 | 1.112 | 1.118 | 1.111 | 1.094 | 1.089 | 1.098 | 1.088 |
| Total | 10.280 | 9.349 | 9.576 | 10.151 | 10.409 | 10.566 | 10.716 | 10.733 | 10.783 | 10.796 | 10.860 | 10.860 | 10.893 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.003 | 0.004 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.007 |

Table 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West South Central-07

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 |
| Motor Gasoline 2/ | 2.099 | 2.098 | 2.120 | 2.115 | 2.124 | 2.142 | 2.164 | 2.196 | 2.230 | 2.267 | 2.308 | 2.350 | 2.394 |
| Jet Fuel 9/ | 0.922 | 0.917 | 0.928 | 0.965 | 1.007 | 1.060 | 1.126 | 1.154 | 1.175 | 1.194 | 1.212 | 1.228 | 1.245 |
| Distillate Fuel Oil 10/ | 0.971 | 0.984 | 1.010 | 1.037 | 1.058 | 1.080 | 1.105 | 1.132 | 1.158 | 1.183 | 1.205 | 1.228 | 1.252 |
| Residual Fuel Oil | 0.237 | 0.259 | 0.237 | 0.245 | 0.252 | 0.260 | 0.267 | 0.268 | 0.269 | 0.271 | 0.272 | 0.273 | 0.275 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.022 | 0.030 | 0.029 | 0.029 | 0.030 | 0.030 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.032 | 0.032 |
| Liquid Fuels Subtotal | 4.254 | 4.294 | 4.329 | 4.398 | 4.478 | 4.578 | 4.698 | 4.786 | 4.869 | 4.952 | 5.035 | 5.117 | 5.204 |
| Pipeline Fuel Natural Gas | 0.143 | 0.140 | 0.127 | 0.146 | 0.149 | 0.152 | 0.156 | 0.160 | 0.164 | 0.164 | 0.168 | 0.171 | 0.171 |
| Compressed Natural Gas | 0.003 | 0.003 | 0.005 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 |
| Electricity | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Delivered Energy | 4.400 | 4.438 | 4.463 | 4.550 | 4.633 | 4.737 | 4.862 | 4.955 | 5.042 | 5.125 | 5.213 | 5.299 | 5.385 |
| Electricity Related Losses | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Total | 4.401 | 4.439 | 4.464 | 4.551 | 4.635 | 4.739 | 4.864 | 4.957 | 5.044 | 5.127 | 5.215 | 5.301 | 5.388 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 1.943 | 1.823 | 1.876 | 1.980 | 1.999 | 1.969 | 1.953 | 1.952 | 1.952 | 1.950 | 1.953 | 1.954 | 1.960 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 |
| Motor Gasoline 2/ | 2.156 | 2.156 | 2.179 | 2.173 | 2.182 | 2.200 | 2.222 | 2.254 | 2.289 | 2.326 | 2.367 | 2.410 | 2.454 |
| Jet Fuel 9/ | 0.922 | 0.917 | 0.928 | 0.965 | 1.007 | 1.060 | 1.126 | 1.154 | 1.175 | 1.194 | 1.212 | 1.228 | 1.245 |
| Kerosene | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 |
| Distillate Fuel Oil | 1.201 | 1.219 | 1.259 | 1.273 | 1.288 | 1.308 | 1.330 | 1.357 | 1.385 | 1.411 | 1.435 | 1.459 | 1.485 |
| Residual Fuel Oil | 0.269 | 0.293 | 0.269 | 0.268 | 0.274 | 0.281 | 0.288 | 0.289 | 0.291 | 0.292 | 0.294 | 0.295 | 0.296 |
| Petrochemical Feedstocks | 0.828 | 0.757 | 0.719 | 0.778 | 0.805 | 0.804 | 0.808 | 0.808 | 0.809 | 0.809 | 0.810 | 0.811 | 0.814 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 1.487 | 1.420 | 1.456 | 1.411 | 1.473 | 1.467 | 1.380 | 1.482 | 1.490 | 1.496 | 1.411 | 1.512 | 1.527 |
| Liquid Fuels Subtotal | 8.815 | 8.595 | 8.697 | 8.859 | 9.040 | 9.099 | 9.118 | 9.307 | 9.400 | 9.488 | 9.493 | 9.678 | 9.792 |
| Natural Gas | 3.644 | 3.047 | 3.084 | 3.509 | 3.564 | 3.616 | 3.789 | 3.700 | 3.728 | 3.750 | 3.886 | 3.769 | 3.781 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.533 | 0.493 | 0.531 | 0.520 | 0.524 | 0.528 | 0.526 | 0.522 | 0.531 | 0.529 | 0.541 | 0.539 | 0.538 |
| Pipeline Natural Gas | 0.143 | 0.140 | 0.127 | 0.146 | 0.149 | 0.152 | 0.156 | 0.160 | 0.164 | 0.164 | 0.168 | 0.171 | 0.171 |
| Natural Gas Subtotal | 4.320 | 3.679 | 3.743 | 4.175 | 4.237 | 4.296 | 4.472 | 4.382 | 4.423 | 4.443 | 4.595 | 4.480 | 4.490 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 0.105 | 0.099 | 0.098 | 0.100 | 0.102 | 0.102 | 0.103 | 0.102 | 0.102 | 0.102 | 0.101 | 0.101 | 0.101 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.105 | 0.099 | 0.098 | 0.100 | 0.102 | 0.102 | 0.103 | 0.102 | 0.102 | 0.102 | 0.101 | 0.101 | 0.101 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.332 | 0.286 | 0.311 | 0.316 | 0.317 | 0.317 | 0.320 | 0.324 | 0.329 | 0.333 | 0.337 | 0.342 | 0.347 |
| Electricity | 1.690 | 1.752 | 1.787 | 1.837 | 1.884 | 1.911 | 1.942 | 1.966 | 1.997 | 2.023 | 2.045 | 2.074 | 2.103 |
| Delivered Energy | 15.474 | 14.657 | 14.950 | 15.642 | 16.032 | 16.338 | 16.643 | 16.789 | 16.972 | 17.115 | 17.302 | 17.411 | 17.574 |
| Electricity Related Losses | 3.573 | 3.661 | 3.623 | 3.573 | 3.629 | 3.662 | 3.723 | 3.808 | 3.813 | 3.776 | 3.797 | 3.844 | 3.831 |
| Total | 19.046 | 18.318 | 18.573 | 19.215 | 19.661 | 20.000 | 20.366 | 20.597 | 20.785 | 20.891 | 21.099 | 21.255 | 21.405 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.003 | 0.007 | 0.014 | 0.014 | 0.014 | 0.016 | 0.017 | 0.018 | 0.018 | 0.022 | 0.022 | 0.021 | 0.021 |
| Residual Fuel Oil | 0.060 | 0.054 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Liquid Fuels Subtotal | 0.063 | 0.061 | 0.021 | 0.021 | 0.021 | 0.022 | 0.023 | 0.024 | 0.022 | 0.025 | 0.026 | 0.025 | 0.025 |
| Natural Gas | 1.926 | 2.063 | 2.133 | 2.067 | 2.179 | 2.215 | 2.242 | 2.322 | 2.316 | 2.301 | 2.329 | 2.391 | 2.395 |
| Steam Coal | 2.426 | 2.431 | 2.353 | 2.357 | 2.338 | 2.350 | 2.399 | 2.421 | 2.448 | 2.440 | 2.434 | 2.436 | 2.437 |
| Nuclear Power | 0.734 | 0.734 | 0.733 | 0.734 | 0.732 | 0.729 | 0.729 | 0.729 | 0.732 | 0.732 | 0.745 | 0.745 | 0.745 |
| Renewable Energy 15/ | 0.114 | 0.125 | 0.171 | 0.233 | 0.244 | 0.257 | 0.272 | 0.279 | 0.291 | 0.300 | 0.309 | 0.322 | 0.333 |
| Electricity Imports | -0.001 | -0.001 | -0.001 | -0.001 | -0.001 | 0.000 | 0.000 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 |
| Total | 5.262 | 5.413 | 5.410 | 5.410 | 5.513 | 5.573 | 5.665 | 5.775 | 5.810 | 5.798 | 5.842 | 5.918 | 5.934 |

Table 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West South Central-07

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 1.943 | 1.823 | 1.876 | 1.980 | 1.999 | 1.969 | 1.953 | 1.952 | 1.952 | 1.950 | 1.953 | 1.954 | 1.960 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 |
| Motor Gasoline 2/ | 2.156 | 2.156 | 2.179 | 2.173 | 2.182 | 2.200 | 2.222 | 2.254 | 2.289 | 2.326 | 2.367 | 2.410 | 2.454 |
| Jet Fuel 9/ | 0.922 | 0.917 | 0.928 | 0.965 | 1.007 | 1.060 | 1.126 | 1.154 | 1.175 | 1.194 | 1.212 | 1.228 | 1.245 |
| Kerosene | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 |
| Distillate Fuel Oil | 1.205 | 1.226 | 1.273 | 1.287 | 1.303 | 1.323 | 1.347 | 1.375 | 1.403 | 1.433 | 1.458 | 1.480 | 1.506 |
| Residual Fuel Oil | 0.328 | 0.347 | 0.276 | 0.274 | 0.281 | 0.287 | 0.295 | 0.295 | 0.294 | 0.296 | 0.297 | 0.298 | 0.300 |
| Petrochemical Feedstocks | 0.828 | 0.757 | 0.719 | 0.778 | 0.805 | 0.804 | 0.808 | 0.808 | 0.809 | 0.809 | 0.810 | 0.811 | 0.814 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 1.487 | 1.420 | 1.456 | 1.411 | 1.473 | 1.467 | 1.380 | 1.482 | 1.490 | 1.496 | 1.411 | 1.512 | 1.527 |
| Liquid Fuels Subtotal | 8.878 | 8.656 | 8.717 | 8.880 | 9.060 | 9.121 | 9.142 | 9.331 | 9.422 | 9.513 | 9.519 | 9.703 | 9.817 |
| Natural Gas | 5.570 | 5.110 | 5.217 | 5.577 | 5.742 | 5.831 | 6.032 | 6.022 | 6.045 | 6.051 | 6.214 | 6.160 | 6.176 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.533 | 0.493 | 0.531 | 0.520 | 0.524 | 0.528 | 0.526 | 0.522 | 0.531 | 0.529 | 0.541 | 0.539 | 0.538 |
| Pipeline Natural Gas | 0.143 | 0.140 | 0.127 | 0.146 | 0.149 | 0.152 | 0.156 | 0.160 | 0.164 | 0.164 | 0.168 | 0.171 | 0.171 |
| Natural Gas Subtotal | 6.245 | 5.742 | 5.876 | 6.242 | 6.415 | 6.511 | 6.714 | 6.705 | 6.739 | 6.744 | 6.924 | 6.870 | 6.885 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 2.531 | 2.530 | 2.451 | 2.457 | 2.439 | 2.452 | 2.502 | 2.523 | 2.550 | 2.541 | 2.535 | 2.537 | 2.538 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 2.531 | 2.530 | 2.451 | 2.457 | 2.439 | 2.452 | 2.502 | 2.523 | 2.550 | 2.541 | 2.535 | 2.537 | 2.538 |
| Nuclear Power | 0.734 | 0.734 | 0.733 | 0.734 | 0.732 | 0.729 | 0.729 | 0.729 | 0.732 | 0.732 | 0.745 | 0.745 | 0.745 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.446 | 0.411 | 0.482 | 0.549 | 0.561 | 0.574 | 0.592 | 0.603 | 0.620 | 0.633 | 0.646 | 0.664 | 0.681 |
| Electricity Imports | -0.001 | -0.001 | -0.001 | -0.001 | -0.001 | 0.000 | 0.000 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 |
| Total | 19.046 | 18.318 | 18.573 | 19.215 | 19.661 | 20.000 | 20.366 | 20.597 | 20.785 | 20.891 | 21.099 | 21.255 | 21.405 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 15.474 | 14.657 | 14.950 | 15.642 | 16.032 | 16.338 | 16.643 | 16.789 | 16.972 | 17.115 | 17.302 | 17.411 | 17.574 |
| Total Energy Use | 19.046 | 18.318 | 18.573 | 19.215 | 19.661 | 20.000 | 20.366 | 20.597 | 20.785 | 20.891 | 21.099 | 21.255 | 21.405 |
| Population (millions) | 33.347 | 33.772 | 34.195 | 34.618 | 35.037 | 35.459 | 35.882 | 36.306 | 36.735 | 37.168 | 37.604 | 38.045 | 38.488 |
| Carbon Dioxide Emissions (million metric tons) | 1053.50 | 1024.99 | 1028.02 | 1051.56 | 1068.30 | 1078.13 | 1095.17 | 1108.86 | 1119.43 | 1125.23 | 1134.80 | 1144.24 | 1152.41 |

Table 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West South Central-07

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.071 | 0.072 | 0.074 | 0.075 | 0.076 | 0.078 | 0.079 | 0.080 | 0.082 | 0.083 | 0.084 | 0.086 | 0.087 | 0.089 | 1.7% |
| Kerosene | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.9% |
| Distillate Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.1% |
| Liquid Fuels Subtotal | 0.072 | 0.074 | 0.075 | 0.076 | 0.077 | 0.079 | 0.080 | 0.082 | 0.083 | 0.084 | 0.085 | 0.087 | 0.088 | 0.090 | 1.7% |
| Natural Gas | 0.344 | 0.344 | 0.346 | 0.347 | 0.348 | 0.349 | 0.349 | 0.351 | 0.351 | 0.353 | 0.354 | 0.356 | 0.356 | 0.357 | 0.4% |
| Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -1.4% |
| Renewable Energy 1/ Electricity | 0.822 | 0.834 | 0.846 | 0.860 | 0.869 | 0.881 | 0.892 | 0.906 | 0.916 | 0.929 | 0.941 | 0.956 | 0.966 | 0.978 | 1.6% |
| Delivered Energy | 1.261 | 1.274 | 1.289 | 1.307 | 1.317 | 1.331 | 1.345 | 1.362 | 1.373 | 1.389 | 1.404 | 1.423 | 1.434 | 1.449 | 1.3% |
| Electricity Related Losses | 1.484 | 1.495 | 1.496 | 1.504 | 1.507 | 1.510 | 1.513 | 1.518 | 1.517 | 1.523 | 1.530 | 1.539 | 1.545 | 1.542 | 0.4% |
| Total | 2.746 | 2.769 | 2.785 | 2.811 | 2.824 | 2.841 | 2.859 | 2.880 | 2.890 | 2.912 | 2.934 | 2.962 | 2.979 | 2.991 | 0.8% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.011 | 0.4% |
| Motor Gasoline 2/ Kerosene | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.6% |
| Distillate Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.5% |
| Residual Fuel Oil | 0.024 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.027 | 0.027 | 0.027 | 0.9% |
| Liquid Fuels Subtotal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -0.3% |
| Natural Gas | 0.047 | 0.047 | 0.048 | 0.048 | 0.048 | 0.048 | 0.049 | 0.049 | 0.050 | 0.050 | 0.050 | 0.051 | 0.051 | 0.051 | 0.7% |
| Coal | 0.389 | 0.393 | 0.399 | 0.404 | 0.410 | 0.416 | 0.422 | 0.427 | 0.434 | 0.441 | 0.448 | 0.455 | 0.462 | 0.469 | 1.6% |
| Renewable Energy 3/ Electricity | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | N/A |
| Delivered Energy | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.0% |
| Electricity Related Losses | 0.702 | 0.713 | 0.724 | 0.736 | 0.750 | 0.764 | 0.779 | 0.794 | 0.810 | 0.826 | 0.843 | 0.862 | 0.879 | 0.897 | 1.9% |
| Total | 1.146 | 1.161 | 1.178 | 1.196 | 1.216 | 1.236 | 1.257 | 1.278 | 1.301 | 1.325 | 1.349 | 1.375 | 1.400 | 1.425 | 1.8% |
| Electricity Related Losses | 1.267 | 1.278 | 1.281 | 1.288 | 1.300 | 1.310 | 1.321 | 1.330 | 1.341 | 1.356 | 1.371 | 1.387 | 1.407 | 1.415 | 0.8% |
| Total | 2.413 | 2.439 | 2.458 | 2.483 | 2.516 | 2.546 | 2.578 | 2.608 | 2.642 | 2.681 | 2.720 | 2.762 | 2.806 | 2.840 | 1.2% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 1.873 | 1.868 | 1.876 | 1.887 | 1.895 | 1.904 | 1.913 | 1.920 | 1.927 | 1.940 | 1.955 | 1.971 | 1.988 | 2.002 | 0.5% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.049 | 0.049 | 0.050 | 0.050 | 0.051 | 0.051 | 0.051 | 0.052 | 0.052 | 0.053 | 0.053 | 0.053 | 0.054 | 0.054 | 0.6% |
| Residual Fuel Oil | 0.210 | 0.211 | 0.212 | 0.213 | 0.214 | 0.215 | 0.215 | 0.216 | 0.218 | 0.220 | 0.221 | 0.222 | 0.223 | 0.225 | 0.2% |
| Petrochemical Feedstocks | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.021 | 0.022 | 0.022 | 0.022 | -1.7% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.815 | 0.814 | 0.819 | 0.825 | 0.828 | 0.834 | 0.840 | 0.845 | 0.850 | 0.857 | 0.863 | 0.871 | 0.879 | 0.886 | 0.6% |
| Natural Gas | 1.416 | 1.536 | 1.567 | 1.494 | 1.627 | 1.661 | 1.678 | 1.691 | 1.597 | 1.712 | 1.724 | 1.619 | 1.632 | 1.741 | 0.9% |
| Natural-Gas-to-Liquids Heat and Power | 4.385 | 4.499 | 4.545 | 4.490 | 4.636 | 4.686 | 4.719 | 4.746 | 4.666 | 4.802 | 4.838 | 4.757 | 4.798 | 4.930 | 0.6% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 3.169 | 3.041 | 3.059 | 3.226 | 3.120 | 3.142 | 3.155 | 3.172 | 3.341 | 3.221 | 3.251 | 3.416 | 3.438 | 3.332 | 1.3% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.540 | 0.530 | 0.521 | 0.513 | 0.510 | 0.510 | 0.504 | 0.500 | 0.488 | 0.481 | 0.479 | 0.479 | 0.478 | 0.476 | -0.1% |
| Coal-to-Liquids Heat and Power | 3.709 | 3.571 | 3.580 | 3.739 | 3.631 | 3.652 | 3.660 | 3.672 | 3.828 | 3.703 | 3.730 | 3.895 | 3.916 | 3.808 | 1.1% |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.099 | 0.099 | 0.099 | 0.099 | 0.099 | 0.100 | 0.100 | 0.1% |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Renewable Energy 7/ Electricity | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Delivered Energy | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.099 | 0.099 | 0.099 | 0.099 | 0.099 | 0.100 | 0.100 | 0.1% |
| Electricity Related Losses | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Total | 0.324 | 0.327 | 0.331 | 0.336 | 0.340 | 0.345 | 0.349 | 0.354 | 0.360 | 0.365 | 0.371 | 0.375 | 0.380 | 0.386 | 1.6% |
| Electricity Related Losses | 0.597 | 0.599 | 0.604 | 0.605 | 0.609 | 0.614 | 0.616 | 0.621 | 0.628 | 0.631 | 0.638 | 0.644 | 0.648 | 0.654 | 0.8% |
| Total | 9.861 | 9.853 | 9.928 | 10.047 | 10.106 | 10.199 | 10.252 | 10.310 | 10.414 | 10.441 | 10.526 | 10.627 | 10.708 | 10.753 | 1.1% |
| Electricity Related Losses | 1.078 | 1.074 | 1.069 | 1.058 | 1.056 | 1.053 | 1.046 | 1.041 | 1.040 | 1.036 | 1.037 | 1.037 | 1.037 | 1.032 | -0.3% |
| Total | 10.938 | 10.927 | 10.997 | 11.105 | 11.162 | 11.252 | 11.297 | 11.351 | 11.454 | 11.477 | 11.563 | 11.664 | 11.745 | 11.785 | 0.9% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 3.2% |

Table 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West South Central-07

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 12.8% |
| Motor Gasoline 2/ | 2.438 | 2.483 | 2.528 | 2.576 | 2.623 | 2.670 | 2.720 | 2.769 | 2.818 | 2.871 | 2.924 | 2.976 | 3.029 | 3.081 | 1.5% |
| Jet Fuel 9/ | 1.264 | 1.279 | 1.296 | 1.303 | 1.310 | 1.316 | 1.322 | 1.329 | 1.336 | 1.345 | 1.354 | 1.365 | 1.377 | 1.393 | 1.7% |
| Distillate Fuel Oil 10/ | 1.270 | 1.288 | 1.310 | 1.336 | 1.363 | 1.392 | 1.422 | 1.454 | 1.491 | 1.529 | 1.568 | 1.608 | 1.647 | 1.688 | 2.2% |
| Residual Fuel Oil | 0.276 | 0.277 | 0.279 | 0.280 | 0.281 | 0.283 | 0.284 | 0.285 | 0.287 | 0.288 | 0.290 | 0.291 | 0.293 | 0.294 | 0.5% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.7% |
| Other Petroleum 11/ | 0.032 | 0.032 | 0.032 | 0.033 | 0.033 | 0.033 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 | 0.6% |
| Liquid Fuels Subtotal | 5.287 | 5.367 | 5.453 | 5.536 | 5.619 | 5.703 | 5.790 | 5.880 | 5.976 | 6.078 | 6.182 | 6.286 | 6.393 | 6.503 | 1.7% |
| Pipeline Fuel Natural Gas | 0.173 | 0.170 | 0.168 | 0.169 | 0.167 | 0.168 | 0.168 | 0.168 | 0.165 | 0.163 | 0.163 | 0.164 | 0.164 | 0.163 | 0.6% |
| Compressed Natural Gas | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 5.9% |
| Electricity | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 3.5% |
| Delivered Energy | 5.470 | 5.548 | 5.633 | 5.717 | 5.799 | 5.884 | 5.972 | 6.061 | 6.155 | 6.256 | 6.360 | 6.465 | 6.573 | 6.682 | 1.7% |
| Electricity Related Losses | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 2.3% |
| Total | 5.473 | 5.550 | 5.635 | 5.719 | 5.802 | 5.886 | 5.974 | 6.064 | 6.158 | 6.259 | 6.363 | 6.468 | 6.575 | 6.685 | 1.7% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 1.961 | 1.957 | 1.967 | 1.980 | 1.989 | 2.000 | 2.010 | 2.019 | 2.028 | 2.042 | 2.059 | 2.076 | 2.095 | 2.111 | 0.6% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 12.8% |
| Motor Gasoline 2/ | 2.499 | 2.545 | 2.589 | 2.638 | 2.686 | 2.733 | 2.783 | 2.832 | 2.883 | 2.937 | 2.990 | 3.042 | 3.095 | 3.147 | 1.5% |
| Jet Fuel 9/ | 1.264 | 1.279 | 1.296 | 1.303 | 1.310 | 1.316 | 1.322 | 1.329 | 1.336 | 1.345 | 1.354 | 1.365 | 1.377 | 1.393 | 1.7% |
| Kerosene | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.0% |
| Distillate Fuel Oil | 1.505 | 1.524 | 1.547 | 1.575 | 1.603 | 1.632 | 1.663 | 1.696 | 1.735 | 1.776 | 1.817 | 1.857 | 1.897 | 1.940 | 1.9% |
| Residual Fuel Oil | 0.297 | 0.299 | 0.300 | 0.301 | 0.302 | 0.304 | 0.306 | 0.307 | 0.308 | 0.310 | 0.311 | 0.313 | 0.315 | 0.316 | 0.3% |
| Petrochemical Feedstocks | 0.815 | 0.814 | 0.819 | 0.825 | 0.828 | 0.834 | 0.840 | 0.845 | 0.850 | 0.857 | 0.863 | 0.871 | 0.879 | 0.886 | 0.6% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.7% |
| Other Petroleum 12/ | 1.439 | 1.559 | 1.591 | 1.518 | 1.651 | 1.686 | 1.702 | 1.716 | 1.622 | 1.737 | 1.749 | 1.644 | 1.658 | 1.767 | 0.9% |
| Liquid Fuels Subtotal | 9.791 | 9.987 | 10.121 | 10.151 | 10.381 | 10.516 | 10.638 | 10.757 | 10.775 | 11.014 | 11.156 | 11.181 | 11.331 | 11.574 | 1.2% |
| Natural Gas | 3.912 | 3.789 | 3.813 | 3.988 | 3.889 | 3.918 | 3.939 | 3.962 | 4.138 | 4.028 | 4.066 | 4.240 | 4.269 | 4.173 | 1.3% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.540 | 0.530 | 0.521 | 0.513 | 0.510 | 0.510 | 0.504 | 0.500 | 0.488 | 0.481 | 0.479 | 0.479 | 0.478 | 0.476 | -0.1% |
| Pipeline Natural Gas | 0.173 | 0.170 | 0.168 | 0.169 | 0.167 | 0.168 | 0.168 | 0.168 | 0.165 | 0.163 | 0.163 | 0.164 | 0.164 | 0.163 | 0.6% |
| Natural Gas Subtotal | 4.625 | 4.489 | 4.502 | 4.670 | 4.567 | 4.596 | 4.611 | 4.630 | 4.791 | 4.673 | 4.708 | 4.883 | 4.911 | 4.811 | 1.1% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.102 | 0.102 | 0.102 | 0.102 | 0.102 | 0.103 | 0.103 | 0.1% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.101 | 0.102 | 0.102 | 0.102 | 0.102 | 0.102 | 0.103 | 0.103 | 0.1% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.351 | 0.354 | 0.359 | 0.364 | 0.368 | 0.373 | 0.377 | 0.382 | 0.388 | 0.393 | 0.399 | 0.404 | 0.409 | 0.415 | 1.5% |
| Electricity | 2.123 | 2.146 | 2.176 | 2.203 | 2.229 | 2.260 | 2.289 | 2.323 | 2.355 | 2.388 | 2.424 | 2.463 | 2.495 | 2.530 | 1.5% |
| Delivered Energy | 17.738 | 17.837 | 18.028 | 18.266 | 18.438 | 18.650 | 18.826 | 19.012 | 19.243 | 19.411 | 19.640 | 19.890 | 20.114 | 20.309 | 1.3% |
| Electricity Related Losses | 3.831 | 3.850 | 3.847 | 3.852 | 3.865 | 3.875 | 3.883 | 3.891 | 3.900 | 3.917 | 3.940 | 3.966 | 3.991 | 3.992 | 0.3% |
| Total | 21.569 | 21.686 | 21.875 | 22.118 | 22.303 | 22.525 | 22.708 | 22.903 | 23.144 | 23.328 | 23.580 | 23.856 | 24.105 | 24.302 | 1.1% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.021 | 0.021 | 0.021 | 0.022 | 0.022 | 0.023 | 0.022 | 0.023 | 0.023 | 0.024 | 0.025 | 0.025 | 0.025 | 0.025 | 5.5% |
| Residual Fuel Oil | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -9.9% |
| Liquid Fuels Subtotal | 0.025 | 0.025 | 0.025 | 0.025 | 0.026 | 0.027 | 0.026 | 0.027 | 0.027 | 0.028 | 0.028 | 0.029 | 0.029 | 0.029 | -2.9% |
| Natural Gas | 2.399 | 2.420 | 2.438 | 2.449 | 2.440 | 2.434 | 2.417 | 2.399 | 2.373 | 2.352 | 2.335 | 2.273 | 2.244 | 2.223 | 0.3% |
| Steam Coal | 2.435 | 2.463 | 2.468 | 2.488 | 2.531 | 2.576 | 2.634 | 2.688 | 2.755 | 2.820 | 2.896 | 3.024 | 3.110 | 3.167 | 1.1% |
| Nuclear Power | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.1% |
| Renewable Energy 15/ | 0.338 | 0.331 | 0.335 | 0.335 | 0.340 | 0.342 | 0.338 | 0.343 | 0.344 | 0.348 | 0.348 | 0.346 | 0.346 | 0.347 | 4.2% |
| Electricity Imports | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | -0.001 | -0.001 | 0.000 | -2.6% |
| Total | 5.954 | 5.996 | 6.023 | 6.055 | 6.094 | 6.135 | 6.172 | 6.214 | 6.256 | 6.305 | 6.364 | 6.429 | 6.486 | 6.522 | 0.7% |

Table 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West South Central-07

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 1.961 | 1.957 | 1.967 | 1.980 | 1.989 | 2.000 | 2.010 | 2.019 | 2.028 | 2.042 | 2.059 | 2.076 | 2.095 | 2.111 | 0.6% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 12.8% |
| Motor Gasoline 2/ | 2.499 | 2.545 | 2.589 | 2.638 | 2.686 | 2.733 | 2.783 | 2.832 | 2.883 | 2.937 | 2.990 | 3.042 | 3.095 | 3.147 | 1.5% |
| Jet Fuel 9/ | 1.264 | 1.279 | 1.296 | 1.303 | 1.310 | 1.316 | 1.322 | 1.329 | 1.336 | 1.345 | 1.354 | 1.365 | 1.377 | 1.393 | 1.7% |
| Kerosene | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.0% |
| Distillate Fuel Oil | 1.526 | 1.545 | 1.569 | 1.597 | 1.625 | 1.656 | 1.685 | 1.719 | 1.758 | 1.800 | 1.841 | 1.882 | 1.923 | 1.965 | 1.9% |
| Residual Fuel Oil | 0.301 | 0.302 | 0.304 | 0.305 | 0.306 | 0.308 | 0.310 | 0.311 | 0.312 | 0.314 | 0.315 | 0.317 | 0.319 | 0.320 | -0.3% |
| Petrochemical Feedstocks | 0.815 | 0.814 | 0.819 | 0.825 | 0.828 | 0.834 | 0.840 | 0.845 | 0.850 | 0.857 | 0.863 | 0.871 | 0.879 | 0.886 | 0.6% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 43.7% |
| Other Petroleum 12/ | 1.439 | 1.559 | 1.591 | 1.518 | 1.651 | 1.686 | 1.702 | 1.716 | 1.622 | 1.737 | 1.749 | 1.644 | 1.658 | 1.767 | 0.9% |
| Liquid Fuels Subtotal | 9.816 | 10.012 | 10.146 | 10.176 | 10.407 | 10.543 | 10.664 | 10.783 | 10.802 | 11.042 | 11.184 | 11.210 | 11.360 | 11.604 | 1.2% |
| Natural Gas | 6.311 | 6.210 | 6.251 | 6.437 | 6.330 | 6.352 | 6.355 | 6.361 | 6.511 | 6.380 | 6.401 | 6.513 | 6.513 | 6.395 | 0.9% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.540 | 0.530 | 0.521 | 0.513 | 0.510 | 0.510 | 0.504 | 0.500 | 0.488 | 0.481 | 0.479 | 0.479 | 0.478 | 0.476 | -0.1% |
| Pipeline Natural Gas | 0.173 | 0.170 | 0.168 | 0.169 | 0.167 | 0.168 | 0.168 | 0.168 | 0.165 | 0.163 | 0.163 | 0.164 | 0.164 | 0.163 | 0.6% |
| Natural Gas Subtotal | 7.024 | 6.909 | 6.940 | 7.119 | 7.008 | 7.030 | 7.028 | 7.029 | 7.164 | 7.025 | 7.043 | 7.156 | 7.155 | 7.034 | 0.8% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 2.536 | 2.564 | 2.569 | 2.589 | 2.633 | 2.677 | 2.735 | 2.790 | 2.857 | 2.922 | 2.998 | 3.127 | 3.212 | 3.269 | 1.0% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 2.536 | 2.564 | 2.569 | 2.589 | 2.633 | 2.677 | 2.735 | 2.790 | 2.857 | 2.922 | 2.998 | 3.127 | 3.212 | 3.269 | 1.0% |
| Nuclear Power | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.757 | 0.1% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 0.689 | 0.685 | 0.694 | 0.699 | 0.708 | 0.714 | 0.715 | 0.725 | 0.731 | 0.741 | 0.747 | 0.750 | 0.755 | 0.762 | 2.5% |
| Electricity Imports | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | -0.001 | -0.001 | 0.000 | -2.6% |
| Total | 21.569 | 21.686 | 21.875 | 22.118 | 22.303 | 22.525 | 22.708 | 22.903 | 23.144 | 23.328 | 23.580 | 23.856 | 24.105 | 24.302 | 1.1% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 17.738 | 17.837 | 18.028 | 18.266 | 18.438 | 18.650 | 18.826 | 19.012 | 19.243 | 19.411 | 19.640 | 19.890 | 20.114 | 20.309 | 1.3% |
| Total Energy Use | 21.569 | 21.686 | 21.875 | 22.118 | 22.303 | 22.525 | 22.708 | 22.903 | 23.144 | 23.328 | 23.580 | 23.856 | 24.105 | 24.302 | 1.1% |
| Population (millions) | 38.935 | 39.387 | 39.843 | 40.304 | 40.774 | 41.253 | 41.743 | 42.244 | 42.756 | 43.275 | 43.802 | 44.337 | 44.880 | 45.431 | 1.2% |
| Carbon Dioxide Emissions (million metric tons) | 1159.83 | 1169.31 | 1179.48 | 1192.29 | 1204.92 | 1218.61 | 1231.67 | 1244.25 | 1258.67 | 1272.55 | 1289.37 | 1308.95 | 1326.08 | 1340.24 | 1.1% |

Table 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - West South Central-07

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Mountain-08

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.035 | 0.033 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 | 0.035 | 0.036 | 0.036 |
| Kerosene | 0.000 | 0.000 | 0.000 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Distillate Fuel Oil | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Liquid Fuels Subtotal | 0.041 | 0.038 | 0.039 | 0.042 | 0.042 | 0.042 | 0.042 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.043 |
| Natural Gas | 0.352 | 0.350 | 0.344 | 0.359 | 0.368 | 0.373 | 0.380 | 0.387 | 0.394 | 0.400 | 0.405 | 0.411 | 0.417 |
| Coal | 0.001 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Renewable Energy 1/ Electricity | 0.279 | 0.293 | 0.301 | 0.308 | 0.317 | 0.325 | 0.334 | 0.343 | 0.351 | 0.357 | 0.364 | 0.372 | 0.380 |
| Delivered Energy | 0.695 | 0.705 | 0.710 | 0.735 | 0.753 | 0.766 | 0.781 | 0.796 | 0.813 | 0.824 | 0.836 | 0.849 | 0.864 |
| Electricity Related Losses | 0.915 | 0.947 | 0.972 | 0.991 | 1.003 | 1.007 | 1.076 | 1.075 | 1.085 | 1.091 | 1.113 | 1.143 | 1.196 |
| Total | 1.610 | 1.652 | 1.681 | 1.727 | 1.756 | 1.773 | 1.858 | 1.872 | 1.898 | 1.915 | 1.949 | 1.993 | 2.060 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| Motor Gasoline 2/ Kerosene | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Distillate Fuel Oil | 0.015 | 0.015 | 0.015 | 0.014 | 0.014 | 0.015 | 0.015 | 0.016 | 0.016 | 0.016 | 0.016 | 0.017 | 0.017 |
| Residual Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Liquid Fuels Subtotal | 0.025 | 0.025 | 0.026 | 0.025 | 0.026 | 0.026 | 0.026 | 0.027 | 0.027 | 0.028 | 0.028 | 0.028 | 0.028 |
| Natural Gas | 0.207 | 0.221 | 0.228 | 0.229 | 0.228 | 0.233 | 0.239 | 0.245 | 0.252 | 0.258 | 0.264 | 0.270 | 0.275 |
| Coal | 0.010 | 0.011 | 0.009 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| Renewable Energy 3/ Electricity | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Delivered Energy | 0.293 | 0.293 | 0.304 | 0.313 | 0.323 | 0.332 | 0.342 | 0.353 | 0.363 | 0.373 | 0.383 | 0.393 | 0.404 |
| Electricity Related Losses | 0.539 | 0.554 | 0.571 | 0.580 | 0.592 | 0.607 | 0.621 | 0.640 | 0.657 | 0.674 | 0.690 | 0.706 | 0.721 |
| Total | 0.960 | 0.950 | 0.982 | 1.006 | 1.022 | 1.029 | 1.101 | 1.107 | 1.123 | 1.140 | 1.170 | 1.209 | 1.269 |
| Total | 1.499 | 1.504 | 1.553 | 1.586 | 1.614 | 1.636 | 1.722 | 1.747 | 1.780 | 1.814 | 1.860 | 1.915 | 1.990 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.015 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.030 | 0.030 | 0.030 | 0.031 | 0.031 | 0.032 |
| Residual Fuel Oil | 0.125 | 0.127 | 0.137 | 0.131 | 0.129 | 0.127 | 0.126 | 0.127 | 0.128 | 0.129 | 0.131 | 0.132 | 0.133 |
| Petrochemical Feedstocks | 0.002 | 0.002 | 0.002 | 0.008 | 0.008 | 0.005 | 0.001 | 0.009 | 0.010 | 0.009 | 0.010 | 0.007 | 0.001 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.012 | 0.009 | 0.009 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| Natural Gas | 0.219 | 0.220 | 0.222 | 0.209 | 0.249 | 0.257 | 0.263 | 0.265 | 0.266 | 0.270 | 0.271 | 0.274 | 0.280 |
| Natural-Gas-to-Liquids Heat and Power | 0.403 | 0.401 | 0.414 | 0.401 | 0.439 | 0.442 | 0.445 | 0.456 | 0.460 | 0.464 | 0.467 | 0.470 | 0.471 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.288 | 0.309 | 0.316 | 0.332 | 0.328 | 0.331 | 0.334 | 0.334 | 0.335 | 0.338 | 0.340 | 0.343 | 0.346 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Industrial Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal-to-Liquids Heat and Power | 0.092 | 0.090 | 0.091 | 0.090 | 0.092 | 0.092 | 0.092 | 0.091 | 0.092 | 0.092 | 0.092 | 0.092 | 0.092 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Biofuels Heat and Coproducts | 0.092 | 0.090 | 0.091 | 0.090 | 0.092 | 0.092 | 0.092 | 0.131 | 0.136 | 0.136 | 0.152 | 0.152 | 0.153 |
| Renewable Energy 7/ Electricity | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Delivered Energy | 0.035 | 0.030 | 0.032 | 0.032 | 0.032 | 0.031 | 0.032 | 0.032 | 0.033 | 0.033 | 0.034 | 0.034 | 0.035 |
| Electricity Related Losses | 0.243 | 0.245 | 0.250 | 0.252 | 0.255 | 0.256 | 0.259 | 0.263 | 0.267 | 0.270 | 0.273 | 0.276 | 0.279 |
| Total | 1.467 | 1.511 | 1.649 | 1.686 | 1.831 | 1.998 | 2.081 | 2.154 | 2.184 | 2.196 | 2.228 | 2.242 | 2.256 |
| Total | 0.797 | 0.793 | 0.806 | 0.811 | 0.805 | 0.793 | 0.833 | 0.825 | 0.824 | 0.824 | 0.833 | 0.849 | 0.878 |
| Total | 2.264 | 2.304 | 2.455 | 2.496 | 2.637 | 2.792 | 2.914 | 2.979 | 3.008 | 3.020 | 3.061 | 3.091 | 3.135 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |

Table 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Mountain-08

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.130 | 1.129 | 1.141 | 1.160 | 1.180 | 1.203 | 1.229 | 1.256 | 1.284 | 1.311 | 1.341 | 1.371 | 1.403 |
| Jet Fuel 9/ | 0.209 | 0.208 | 0.210 | 0.218 | 0.226 | 0.236 | 0.248 | 0.254 | 0.258 | 0.263 | 0.267 | 0.270 | 0.274 |
| Distillate Fuel Oil 10/ | 0.477 | 0.484 | 0.497 | 0.512 | 0.524 | 0.537 | 0.551 | 0.566 | 0.581 | 0.595 | 0.608 | 0.621 | 0.635 |
| Residual Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.011 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 |
| Liquid Fuels Subtotal | 1.829 | 1.837 | 1.863 | 1.906 | 1.947 | 1.993 | 2.046 | 2.094 | 2.140 | 2.186 | 2.233 | 2.281 | 2.331 |
| Pipeline Fuel Natural Gas | 0.093 | 0.091 | 0.107 | 0.119 | 0.124 | 0.123 | 0.122 | 0.121 | 0.123 | 0.121 | 0.122 | 0.122 | 0.122 |
| Compressed Natural Gas | 0.002 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 |
| Electricity | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Delivered Energy | 1.924 | 1.930 | 1.974 | 2.029 | 2.075 | 2.122 | 2.174 | 2.221 | 2.270 | 2.314 | 2.363 | 2.410 | 2.461 |
| Electricity Related Losses | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Total | 1.925 | 1.932 | 1.975 | 2.030 | 2.077 | 2.123 | 2.176 | 2.223 | 2.272 | 2.316 | 2.365 | 2.413 | 2.463 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.059 | 0.056 | 0.058 | 0.059 | 0.059 | 0.059 | 0.059 | 0.059 | 0.060 | 0.060 | 0.061 | 0.061 | 0.062 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.162 | 1.162 | 1.174 | 1.192 | 1.213 | 1.237 | 1.263 | 1.290 | 1.318 | 1.345 | 1.376 | 1.407 | 1.439 |
| Jet Fuel 9/ | 0.209 | 0.208 | 0.210 | 0.218 | 0.226 | 0.236 | 0.248 | 0.254 | 0.258 | 0.263 | 0.267 | 0.270 | 0.274 |
| Kerosene | 0.001 | 0.000 | 0.000 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Distillate Fuel Oil | 0.622 | 0.631 | 0.654 | 0.661 | 0.672 | 0.683 | 0.697 | 0.713 | 0.729 | 0.744 | 0.759 | 0.774 | 0.789 |
| Residual Fuel Oil | 0.002 | 0.002 | 0.002 | 0.008 | 0.008 | 0.005 | 0.001 | 0.009 | 0.010 | 0.009 | 0.010 | 0.007 | 0.001 |
| Petrochemical Feedstocks | 0.012 | 0.009 | 0.009 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.230 | 0.233 | 0.234 | 0.222 | 0.262 | 0.270 | 0.277 | 0.278 | 0.280 | 0.284 | 0.285 | 0.289 | 0.294 |
| Liquid Fuels Subtotal | 2.297 | 2.302 | 2.342 | 2.373 | 2.454 | 2.504 | 2.559 | 2.619 | 2.670 | 2.720 | 2.772 | 2.822 | 2.873 |
| Natural Gas | 0.849 | 0.882 | 0.892 | 0.924 | 0.928 | 0.943 | 0.958 | 0.972 | 0.988 | 1.002 | 1.017 | 1.031 | 1.046 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.193 | 0.191 | 0.232 | 0.224 | 0.232 | 0.232 | 0.231 | 0.230 | 0.232 | 0.228 | 0.231 | 0.231 | 0.232 |
| Pipeline Natural Gas | 0.093 | 0.091 | 0.107 | 0.119 | 0.124 | 0.123 | 0.122 | 0.121 | 0.123 | 0.121 | 0.122 | 0.122 | 0.122 |
| Natural Gas Subtotal | 1.135 | 1.164 | 1.230 | 1.267 | 1.284 | 1.298 | 1.311 | 1.324 | 1.342 | 1.351 | 1.370 | 1.383 | 1.400 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 0.104 | 0.102 | 0.101 | 0.101 | 0.104 | 0.104 | 0.104 | 0.103 | 0.103 | 0.103 | 0.104 | 0.104 | 0.104 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | 0.044 | 0.044 | 0.060 | 0.060 | 0.060 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.104 | 0.102 | 0.101 | 0.101 | 0.104 | 0.104 | 0.104 | 0.143 | 0.147 | 0.147 | 0.164 | 0.164 | 0.165 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.061 | 0.056 | 0.059 | 0.060 | 0.060 | 0.059 | 0.059 | 0.059 | 0.060 | 0.060 | 0.060 | 0.060 | 0.061 |
| Electricity | 0.815 | 0.831 | 0.856 | 0.873 | 0.896 | 0.914 | 0.935 | 0.959 | 0.982 | 1.002 | 1.021 | 1.042 | 1.064 |
| Delivered Energy | 4.625 | 4.700 | 4.904 | 5.030 | 5.251 | 5.492 | 5.658 | 5.811 | 5.923 | 6.007 | 6.117 | 6.207 | 6.302 |
| Electricity Related Losses | 2.674 | 2.691 | 2.761 | 2.809 | 2.832 | 2.831 | 3.012 | 3.009 | 3.034 | 3.058 | 3.118 | 3.204 | 3.345 |
| Total | 7.299 | 7.391 | 7.665 | 7.839 | 8.083 | 8.323 | 8.669 | 8.820 | 8.956 | 9.065 | 9.235 | 9.411 | 9.648 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.003 | 0.009 | 0.008 | 0.008 | 0.009 | 0.010 | 0.012 | 0.012 | 0.013 | 0.013 | 0.014 | 0.015 | 0.016 |
| Residual Fuel Oil | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Liquid Fuels Subtotal | 0.011 | 0.010 | 0.008 | 0.008 | 0.009 | 0.011 | 0.013 | 0.013 | 0.013 | 0.013 | 0.014 | 0.015 | 0.016 |
| Natural Gas | 0.530 | 0.531 | 0.560 | 0.605 | 0.660 | 0.640 | 0.609 | 0.586 | 0.616 | 0.633 | 0.640 | 0.615 | 0.611 |
| Steam Coal | 2.309 | 2.328 | 2.342 | 2.347 | 2.312 | 2.337 | 2.554 | 2.584 | 2.601 | 2.605 | 2.677 | 2.796 | 2.949 |
| Nuclear Power | 0.317 | 0.316 | 0.320 | 0.320 | 0.321 | 0.321 | 0.321 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 |
| Renewable Energy 15/ | 0.321 | 0.335 | 0.384 | 0.401 | 0.425 | 0.437 | 0.450 | 0.458 | 0.460 | 0.482 | 0.483 | 0.494 | 0.507 |
| Electricity Imports | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Total | 3.488 | 3.523 | 3.616 | 3.682 | 3.728 | 3.745 | 3.947 | 3.968 | 4.015 | 4.059 | 4.140 | 4.246 | 4.409 |

Table 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Mountain-08

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.059 | 0.056 | 0.058 | 0.059 | 0.059 | 0.059 | 0.059 | 0.059 | 0.060 | 0.060 | 0.061 | 0.061 | 0.062 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Motor Gasoline 2/ | 1.162 | 1.162 | 1.174 | 1.192 | 1.213 | 1.237 | 1.263 | 1.290 | 1.318 | 1.345 | 1.376 | 1.407 | 1.439 |
| Jet Fuel 9/ | 0.209 | 0.208 | 0.210 | 0.218 | 0.226 | 0.236 | 0.248 | 0.254 | 0.258 | 0.263 | 0.267 | 0.270 | 0.274 |
| Kerosene | 0.001 | 0.000 | 0.000 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Distillate Fuel Oil | 0.626 | 0.641 | 0.662 | 0.669 | 0.680 | 0.694 | 0.709 | 0.725 | 0.742 | 0.757 | 0.773 | 0.788 | 0.805 |
| Residual Fuel Oil | 0.010 | 0.003 | 0.002 | 0.008 | 0.008 | 0.005 | 0.002 | 0.009 | 0.010 | 0.009 | 0.010 | 0.007 | 0.001 |
| Petrochemical Feedstocks | 0.012 | 0.009 | 0.009 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.230 | 0.233 | 0.234 | 0.222 | 0.262 | 0.270 | 0.277 | 0.278 | 0.280 | 0.284 | 0.285 | 0.289 | 0.294 |
| Liquid Fuels Subtotal | 2.308 | 2.311 | 2.351 | 2.382 | 2.462 | 2.515 | 2.572 | 2.631 | 2.683 | 2.733 | 2.785 | 2.837 | 2.889 |
| Natural Gas | 1.379 | 1.414 | 1.452 | 1.529 | 1.587 | 1.582 | 1.567 | 1.559 | 1.604 | 1.635 | 1.657 | 1.645 | 1.656 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.193 | 0.191 | 0.232 | 0.224 | 0.232 | 0.232 | 0.231 | 0.230 | 0.232 | 0.228 | 0.231 | 0.231 | 0.232 |
| Pipeline Natural Gas | 0.093 | 0.091 | 0.107 | 0.119 | 0.124 | 0.123 | 0.122 | 0.121 | 0.123 | 0.121 | 0.122 | 0.122 | 0.122 |
| Natural Gas Subtotal | 1.665 | 1.696 | 1.790 | 1.872 | 1.944 | 1.937 | 1.920 | 1.911 | 1.958 | 1.984 | 2.009 | 1.997 | 2.011 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 2.413 | 2.430 | 2.444 | 2.448 | 2.416 | 2.441 | 2.658 | 2.687 | 2.704 | 2.709 | 2.780 | 2.900 | 3.053 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | 0.044 | 0.044 | 0.060 | 0.060 | 0.060 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 2.413 | 2.430 | 2.444 | 2.448 | 2.416 | 2.441 | 2.658 | 2.727 | 2.748 | 2.753 | 2.841 | 2.960 | 3.113 |
| Nuclear Power | 0.317 | 0.316 | 0.320 | 0.320 | 0.321 | 0.321 | 0.321 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 0.382 | 0.391 | 0.443 | 0.461 | 0.485 | 0.496 | 0.509 | 0.518 | 0.519 | 0.542 | 0.543 | 0.555 | 0.569 |
| Electricity Imports | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Total | 7.299 | 7.391 | 7.665 | 7.839 | 8.083 | 8.323 | 8.669 | 8.820 | 8.956 | 9.065 | 9.235 | 9.411 | 9.648 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 4.625 | 4.700 | 4.904 | 5.030 | 5.251 | 5.492 | 5.658 | 5.811 | 5.923 | 6.007 | 6.117 | 6.207 | 6.302 |
| Total Energy Use | 7.299 | 7.391 | 7.665 | 7.839 | 8.083 | 8.323 | 8.669 | 8.820 | 8.956 | 9.065 | 9.235 | 9.411 | 9.648 |
| Population (millions) | 19.838 | 20.176 | 20.516 | 20.860 | 21.206 | 21.558 | 21.913 | 22.273 | 22.639 | 23.010 | 23.386 | 23.768 | 24.155 |
| Carbon Dioxide Emissions (million metric tons) | 464.44 | 468.33 | 477.37 | 484.33 | 489.62 | 494.17 | 517.10 | 527.21 | 535.17 | 541.11 | 554.28 | 568.17 | 586.70 |

Table 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Mountain-08

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.036 | 0.036 | 0.037 | 0.037 | 0.038 | 0.038 | 0.038 | 0.038 | 0.039 | 0.039 | 0.039 | 0.040 | 0.040 | 0.040 | 0.8% |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 10.3% |
| Distillate Fuel Oil | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | -2.3% |
| Liquid Fuels Subtotal | 0.043 | 0.043 | 0.043 | 0.044 | 0.044 | 0.044 | 0.044 | 0.044 | 0.045 | 0.045 | 0.045 | 0.045 | 0.046 | 0.046 | 0.7% |
| Natural Gas | 0.421 | 0.427 | 0.434 | 0.441 | 0.445 | 0.449 | 0.453 | 0.458 | 0.461 | 0.466 | 0.470 | 0.475 | 0.478 | 0.482 | 1.3% |
| Coal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -1.6% |
| Renewable Energy 1/ Electricity | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | 0.287 | -0.1% |
| Delivered Energy | 0.874 | 0.888 | 0.904 | 0.921 | 0.931 | 0.943 | 0.954 | 0.968 | 0.978 | 0.991 | 1.004 | 1.019 | 1.027 | 1.039 | 1.6% |
| Electricity Related Losses | 1.245 | 1.302 | 1.369 | 1.408 | 1.428 | 1.470 | 1.520 | 1.566 | 1.618 | 1.665 | 1.722 | 1.763 | 1.787 | 1.821 | 2.6% |
| Total | 2.119 | 2.190 | 2.273 | 2.330 | 2.359 | 2.413 | 2.474 | 2.534 | 2.597 | 2.657 | 2.727 | 2.782 | 2.815 | 2.860 | 2.2% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.6% |
| Motor Gasoline 2/ Kerosene | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.8% |
| Distillate Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.8% |
| Residual Fuel Oil | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.019 | 0.9% |
| Liquid Fuels Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Natural Gas | 0.028 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.031 | 0.031 | 0.031 | 0.8% |
| Coal | 0.279 | 0.286 | 0.294 | 0.300 | 0.306 | 0.311 | 0.316 | 0.322 | 0.328 | 0.335 | 0.342 | 0.348 | 0.355 | 0.362 | 2.0% |
| Renewable Energy 3/ Electricity | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | N/A |
| Delivered Energy | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.0% |
| Electricity Related Losses | 0.414 | 0.426 | 0.438 | 0.450 | 0.462 | 0.475 | 0.488 | 0.502 | 0.515 | 0.529 | 0.544 | 0.559 | 0.574 | 0.590 | 2.8% |
| Total | 0.736 | 0.754 | 0.775 | 0.794 | 0.812 | 0.830 | 0.849 | 0.867 | 0.888 | 0.909 | 0.930 | 0.953 | 0.975 | 0.997 | 2.4% |
| Electricity Related Losses | 1.333 | 1.404 | 1.485 | 1.535 | 1.576 | 1.638 | 1.710 | 1.774 | 1.855 | 1.926 | 2.012 | 2.077 | 2.135 | 2.199 | 3.4% |
| Total | 2.069 | 2.158 | 2.260 | 2.328 | 2.388 | 2.468 | 2.558 | 2.641 | 2.743 | 2.834 | 2.942 | 3.030 | 3.109 | 3.197 | 3.1% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.017 | 0.019 | 0.029 | 0.015 | 0.019 | 0.024 | 0.038 | 0.043 | 4.7% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.032 | 0.032 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.035 | 0.036 | 0.036 | 0.037 | 0.037 | 0.037 | 0.038 | 1.1% |
| Residual Fuel Oil | 0.135 | 0.136 | 0.137 | 0.139 | 0.140 | 0.141 | 0.143 | 0.144 | 0.145 | 0.148 | 0.149 | 0.151 | 0.152 | 0.154 | 0.8% |
| Petrochemical Feedstocks | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | -5.8% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.4% |
| Natural Gas | 0.283 | 0.288 | 0.296 | 0.301 | 0.307 | 0.313 | 0.316 | 0.333 | 0.337 | 0.361 | 0.380 | 0.390 | 0.388 | 0.414 | 2.6% |
| Natural-Gas-to-Liquids Heat and Power | 0.476 | 0.482 | 0.491 | 0.499 | 0.506 | 0.514 | 0.521 | 0.543 | 0.558 | 0.571 | 0.596 | 0.612 | 0.627 | 0.660 | 2.0% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.349 | 0.353 | 0.357 | 0.363 | 0.368 | 0.373 | 0.377 | 0.377 | 0.384 | 0.390 | 0.388 | 0.389 | 0.411 | 0.413 | 1.2% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal-to-Liquids Heat and Power | 0.092 | 0.092 | 0.092 | 0.093 | 0.093 | 0.094 | 0.094 | 0.095 | 0.096 | 0.096 | 0.097 | 0.098 | 0.098 | 0.098 | 0.4% |
| Net Coal Coke Imports | 0.070 | 0.083 | 0.093 | 0.103 | 0.113 | 0.167 | 0.176 | 0.194 | 0.208 | 0.231 | 0.232 | 0.232 | 0.245 | 0.259 | N/A |
| Coal Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Biofuels Heat and Coproducts | 0.162 | 0.175 | 0.185 | 0.196 | 0.207 | 0.261 | 0.270 | 0.289 | 0.303 | 0.328 | 0.329 | 0.330 | 0.342 | 0.358 | 5.7% |
| Renewable Energy 7/ Electricity | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Delivered Energy | 0.035 | 0.035 | 0.036 | 0.036 | 0.037 | 0.037 | 0.038 | 0.038 | 0.039 | 0.040 | 0.041 | 0.041 | 0.042 | 0.043 | 1.5% |
| Electricity Related Losses | 0.281 | 0.284 | 0.287 | 0.290 | 0.293 | 0.297 | 0.301 | 0.305 | 0.310 | 0.315 | 0.321 | 0.326 | 0.332 | 0.338 | 1.3% |
| Total | 2.286 | 2.317 | 2.352 | 2.392 | 2.432 | 2.518 | 2.551 | 2.608 | 2.664 | 2.721 | 2.765 | 2.796 | 2.863 | 2.933 | 2.7% |
| Electricity Related Losses | 0.905 | 0.935 | 0.973 | 0.989 | 1.000 | 1.023 | 1.053 | 1.080 | 1.116 | 1.146 | 1.187 | 1.212 | 1.234 | 1.262 | 1.9% |
| Total | 3.192 | 3.252 | 3.325 | 3.381 | 3.432 | 3.542 | 3.604 | 3.688 | 3.780 | 3.868 | 3.952 | 4.009 | 4.097 | 4.195 | 2.4% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 3.5% |

Table 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Mountain-08

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 11.9% |
| Motor Gasoline 2/ | 1.434 | 1.467 | 1.498 | 1.532 | 1.566 | 1.599 | 1.634 | 1.669 | 1.703 | 1.741 | 1.778 | 1.814 | 1.852 | 1.889 | 2.1% |
| Jet Fuel 9/ | 0.278 | 0.282 | 0.286 | 0.288 | 0.290 | 0.292 | 0.293 | 0.295 | 0.297 | 0.299 | 0.301 | 0.304 | 0.306 | 0.310 | 1.6% |
| Distillate Fuel Oil 10/ | 0.646 | 0.657 | 0.670 | 0.685 | 0.701 | 0.718 | 0.735 | 0.753 | 0.774 | 0.796 | 0.819 | 0.841 | 0.863 | 0.886 | 2.4% |
| Residual Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.7% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 44.4% |
| Other Petroleum 11/ | 0.014 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.9% |
| Liquid Fuels Subtotal | 2.378 | 2.425 | 2.474 | 2.525 | 2.577 | 2.629 | 2.683 | 2.739 | 2.797 | 2.858 | 2.920 | 2.982 | 3.045 | 3.109 | 2.1% |
| Pipeline Fuel Natural Gas | 0.123 | 0.120 | 0.117 | 0.119 | 0.119 | 0.120 | 0.121 | 0.121 | 0.121 | 0.121 | 0.121 | 0.122 | 0.123 | 0.124 | 1.2% |
| Compressed Natural Gas | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 7.0% |
| Electricity | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 3.8% |
| Delivered Energy | 2.510 | 2.553 | 2.600 | 2.653 | 2.706 | 2.759 | 2.815 | 2.871 | 2.930 | 2.991 | 3.054 | 3.117 | 3.181 | 3.246 | 2.1% |
| Electricity Related Losses | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 4.4% |
| Total | 2.512 | 2.556 | 2.603 | 2.656 | 2.708 | 2.762 | 2.818 | 2.874 | 2.933 | 2.994 | 3.057 | 3.121 | 3.185 | 3.250 | 2.1% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.062 | 0.062 | 0.063 | 0.064 | 0.064 | 0.065 | 0.067 | 0.070 | 0.081 | 0.067 | 0.072 | 0.077 | 0.092 | 0.097 | 2.2% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 11.9% |
| Motor Gasoline 2/ | 1.471 | 1.503 | 1.535 | 1.569 | 1.604 | 1.637 | 1.673 | 1.708 | 1.743 | 1.781 | 1.819 | 1.856 | 1.894 | 1.932 | 2.1% |
| Jet Fuel 9/ | 0.278 | 0.282 | 0.286 | 0.288 | 0.290 | 0.292 | 0.293 | 0.295 | 0.297 | 0.299 | 0.301 | 0.304 | 0.306 | 0.310 | 1.6% |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 7.3% |
| Distillate Fuel Oil | 0.802 | 0.814 | 0.828 | 0.845 | 0.862 | 0.880 | 0.899 | 0.918 | 0.941 | 0.965 | 0.989 | 1.013 | 1.037 | 1.062 | 2.1% |
| Residual Fuel Oil | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -5.6% |
| Petrochemical Feedstocks | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.4% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 44.4% |
| Other Petroleum 12/ | 0.298 | 0.303 | 0.311 | 0.316 | 0.322 | 0.328 | 0.331 | 0.349 | 0.353 | 0.377 | 0.395 | 0.406 | 0.404 | 0.431 | 2.5% |
| Liquid Fuels Subtotal | 2.925 | 2.979 | 3.038 | 3.097 | 3.156 | 3.217 | 3.279 | 3.356 | 3.430 | 3.504 | 3.592 | 3.670 | 3.748 | 3.846 | 2.1% |
| Natural Gas | 1.057 | 1.073 | 1.093 | 1.113 | 1.128 | 1.142 | 1.156 | 1.166 | 1.183 | 1.200 | 1.211 | 1.224 | 1.255 | 1.269 | 1.5% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.235 | 0.229 | 0.225 | 0.229 | 0.229 | 0.233 | 0.235 | 0.236 | 0.237 | 0.237 | 0.239 | 0.241 | 0.243 | 0.245 | 1.0% |
| Pipeline Natural Gas | 0.123 | 0.120 | 0.117 | 0.119 | 0.119 | 0.120 | 0.121 | 0.121 | 0.121 | 0.121 | 0.121 | 0.122 | 0.123 | 0.124 | 1.2% |
| Natural Gas Subtotal | 1.415 | 1.422 | 1.436 | 1.461 | 1.476 | 1.495 | 1.511 | 1.524 | 1.541 | 1.559 | 1.571 | 1.588 | 1.621 | 1.637 | 1.4% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 0.104 | 0.104 | 0.104 | 0.105 | 0.105 | 0.106 | 0.106 | 0.107 | 0.107 | 0.108 | 0.109 | 0.109 | 0.110 | 0.110 | 0.3% |
| Coal-to-Liquids Heat and Power | 0.070 | 0.083 | 0.093 | 0.103 | 0.113 | 0.167 | 0.176 | 0.194 | 0.208 | 0.231 | 0.232 | 0.232 | 0.245 | 0.259 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.174 | 0.187 | 0.197 | 0.208 | 0.219 | 0.273 | 0.282 | 0.300 | 0.315 | 0.339 | 0.341 | 0.342 | 0.354 | 0.369 | 5.3% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.061 | 0.062 | 0.062 | 0.063 | 0.063 | 0.063 | 0.064 | 0.065 | 0.065 | 0.066 | 0.067 | 0.067 | 0.068 | 0.069 | 0.8% |
| Electricity | 1.083 | 1.105 | 1.129 | 1.154 | 1.176 | 1.200 | 1.224 | 1.251 | 1.276 | 1.303 | 1.331 | 1.361 | 1.388 | 1.417 | 2.2% |
| Delivered Energy | 6.407 | 6.513 | 6.631 | 6.760 | 6.881 | 7.051 | 7.169 | 7.314 | 7.460 | 7.612 | 7.753 | 7.884 | 8.046 | 8.215 | 2.3% |
| Electricity Related Losses | 3.485 | 3.643 | 3.830 | 3.935 | 4.006 | 4.134 | 4.286 | 4.423 | 4.593 | 4.741 | 4.925 | 5.056 | 5.160 | 5.286 | 2.7% |
| Total | 9.891 | 10.156 | 10.461 | 10.695 | 10.887 | 11.185 | 11.454 | 11.737 | 12.053 | 12.353 | 12.678 | 12.941 | 13.206 | 13.501 | 2.4% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.018 | 0.019 | 0.021 | 0.022 | 0.024 | 0.026 | 0.028 | 0.030 | 0.033 | 0.035 | 0.036 | 0.039 | 0.039 | 0.040 | 6.1% |
| Residual Fuel Oil | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -54.1% |
| Liquid Fuels Subtotal | 0.018 | 0.019 | 0.021 | 0.022 | 0.024 | 0.026 | 0.028 | 0.030 | 0.033 | 0.035 | 0.036 | 0.039 | 0.039 | 0.040 | 5.9% |
| Natural Gas | 0.595 | 0.623 | 0.674 | 0.639 | 0.528 | 0.465 | 0.419 | 0.352 | 0.330 | 0.289 | 0.271 | 0.246 | 0.227 | 0.223 | -3.4% |
| Steam Coal | 3.108 | 3.247 | 3.392 | 3.550 | 3.749 | 3.947 | 4.164 | 4.382 | 4.584 | 4.786 | 5.001 | 5.165 | 5.309 | 5.457 | 3.5% |
| Nuclear Power | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.1% |
| Renewable Energy 15/ | 0.522 | 0.533 | 0.546 | 0.551 | 0.555 | 0.569 | 0.573 | 0.583 | 0.596 | 0.608 | 0.623 | 0.641 | 0.647 | 0.657 | 2.7% |
| Electricity Imports | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -2.6% |
| Total | 4.568 | 4.748 | 4.958 | 5.088 | 5.182 | 5.333 | 5.510 | 5.674 | 5.869 | 6.044 | 6.257 | 6.417 | 6.548 | 6.704 | 2.6% |

Table 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Mountain-08

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.062 | 0.062 | 0.063 | 0.064 | 0.064 | 0.065 | 0.067 | 0.070 | 0.081 | 0.067 | 0.072 | 0.077 | 0.092 | 0.097 | 2.2% |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 11.9% |
| Motor Gasoline 2/ | 1.471 | 1.503 | 1.535 | 1.569 | 1.604 | 1.637 | 1.673 | 1.708 | 1.743 | 1.781 | 1.819 | 1.856 | 1.894 | 1.932 | 2.1% |
| Jet Fuel 9/ | 0.278 | 0.282 | 0.286 | 0.288 | 0.290 | 0.292 | 0.293 | 0.295 | 0.297 | 0.299 | 0.301 | 0.304 | 0.306 | 0.310 | 1.6% |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 7.3% |
| Distillate Fuel Oil | 0.820 | 0.833 | 0.849 | 0.868 | 0.887 | 0.906 | 0.927 | 0.949 | 0.974 | 1.000 | 1.026 | 1.051 | 1.076 | 1.102 | 2.2% |
| Residual Fuel Oil | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -6.1% |
| Petrochemical Feedstocks | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.4% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 44.4% |
| Other Petroleum 12/ | 0.298 | 0.303 | 0.311 | 0.316 | 0.322 | 0.328 | 0.331 | 0.349 | 0.353 | 0.377 | 0.395 | 0.406 | 0.404 | 0.431 | 2.5% |
| Liquid Fuels Subtotal | 2.943 | 2.999 | 3.058 | 3.119 | 3.181 | 3.243 | 3.307 | 3.386 | 3.463 | 3.539 | 3.628 | 3.709 | 3.788 | 3.887 | 2.1% |
| Natural Gas | 1.652 | 1.697 | 1.767 | 1.752 | 1.656 | 1.607 | 1.574 | 1.518 | 1.513 | 1.489 | 1.482 | 1.470 | 1.482 | 1.492 | 0.2% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.235 | 0.229 | 0.225 | 0.229 | 0.229 | 0.233 | 0.235 | 0.236 | 0.237 | 0.237 | 0.239 | 0.241 | 0.243 | 0.245 | 1.0% |
| Pipeline Natural Gas | 0.123 | 0.120 | 0.117 | 0.119 | 0.119 | 0.120 | 0.121 | 0.121 | 0.121 | 0.121 | 0.121 | 0.122 | 0.123 | 0.124 | 1.2% |
| Natural Gas Subtotal | 2.010 | 2.045 | 2.109 | 2.100 | 2.004 | 1.960 | 1.930 | 1.876 | 1.871 | 1.848 | 1.842 | 1.834 | 1.848 | 1.860 | 0.4% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 3.212 | 3.351 | 3.496 | 3.655 | 3.854 | 4.053 | 4.270 | 4.488 | 4.692 | 4.894 | 5.110 | 5.275 | 5.419 | 5.567 | 3.4% |
| Coal-to-Liquids Heat and Power | 0.070 | 0.083 | 0.093 | 0.103 | 0.113 | 0.167 | 0.176 | 0.194 | 0.208 | 0.231 | 0.232 | 0.232 | 0.245 | 0.259 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 3.282 | 3.433 | 3.589 | 3.758 | 3.967 | 4.220 | 4.446 | 4.682 | 4.899 | 5.126 | 5.342 | 5.507 | 5.663 | 5.826 | 3.6% |
| Nuclear Power | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.325 | 0.1% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 0.583 | 0.594 | 0.608 | 0.614 | 0.618 | 0.632 | 0.637 | 0.648 | 0.661 | 0.673 | 0.689 | 0.708 | 0.714 | 0.726 | 2.5% |
| Electricity Imports | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -2.6% |
| Total | 9.891 | 10.156 | 10.461 | 10.695 | 10.887 | 11.185 | 11.454 | 11.737 | 12.053 | 12.353 | 12.678 | 12.941 | 13.206 | 13.501 | 2.4% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 6.407 | 6.513 | 6.631 | 6.760 | 6.881 | 7.051 | 7.169 | 7.314 | 7.460 | 7.612 | 7.753 | 7.884 | 8.046 | 8.215 | 2.3% |
| Total Energy Use | 9.891 | 10.156 | 10.461 | 10.695 | 10.887 | 11.185 | 11.454 | 11.737 | 12.053 | 12.353 | 12.678 | 12.941 | 13.206 | 13.501 | 2.4% |
| Population (millions) | 24.546 | 24.943 | 25.344 | 25.750 | 26.161 | 26.580 | 27.004 | 27.435 | 27.872 | 28.314 | 28.760 | 29.210 | 29.664 | 30.123 | 1.6% |
| Carbon Dioxide Emissions (million metric tons) | 606.08 | 625.90 | 647.71 | 667.08 | 685.68 | 711.23 | 735.15 | 759.67 | 784.82 | 809.95 | 835.81 | 856.33 | 876.91 | 899.17 | 2.6% |

Table 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Mountain-08

- 1/ Includes wood used for residential heating.
- 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
- 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
- 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
- 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
- 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
- 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 9/ Includes only kerosene type.
- 10/ Diesel fuel for on- and off- road use.
- 11/ Includes aviation gasoline and lubricants.
- 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
- 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
- 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
- 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Pacific-09

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.032 | 0.030 | 0.031 | 0.029 | 0.030 | 0.030 | 0.030 | 0.031 | 0.031 | 0.031 | 0.032 | 0.032 | 0.032 |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Distillate Fuel Oil | 0.023 | 0.025 | 0.024 | 0.025 | 0.025 | 0.025 | 0.025 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 |
| Liquid Fuels Subtotal | 0.057 | 0.058 | 0.058 | 0.057 | 0.057 | 0.058 | 0.058 | 0.059 | 0.060 | 0.060 | 0.060 | 0.061 | 0.061 |
| Natural Gas | 0.674 | 0.660 | 0.682 | 0.694 | 0.710 | 0.719 | 0.729 | 0.740 | 0.751 | 0.758 | 0.766 | 0.773 | 0.783 |
| Coal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Renewable Energy 1/ Electricity | 0.480 | 0.496 | 0.502 | 0.508 | 0.519 | 0.526 | 0.534 | 0.541 | 0.550 | 0.555 | 0.561 | 0.567 | 0.574 |
| Delivered Energy | 1.282 | 1.286 | 1.320 | 1.336 | 1.365 | 1.380 | 1.399 | 1.417 | 1.437 | 1.449 | 1.462 | 1.476 | 1.493 |
| Electricity Related Losses | 0.743 | 0.690 | 0.799 | 0.806 | 0.823 | 0.855 | 0.828 | 0.852 | 0.856 | 0.863 | 0.860 | 0.853 | 0.839 |
| Total | 2.025 | 1.976 | 2.119 | 2.142 | 2.188 | 2.235 | 2.227 | 2.268 | 2.293 | 2.312 | 2.322 | 2.329 | 2.332 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.006 | 0.006 |
| Motor Gasoline 2/ Kerosene | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Distillate Fuel Oil | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Residual Fuel Oil | 0.026 | 0.026 | 0.027 | 0.024 | 0.024 | 0.024 | 0.024 | 0.025 | 0.025 | 0.026 | 0.026 | 0.026 | 0.026 |
| Liquid Fuels Subtotal | 0.034 | 0.034 | 0.034 | 0.031 | 0.031 | 0.032 | 0.032 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.035 |
| Natural Gas | 0.352 | 0.341 | 0.342 | 0.334 | 0.340 | 0.345 | 0.350 | 0.356 | 0.362 | 0.369 | 0.375 | 0.380 | 0.385 |
| Coal | 0.008 | 0.008 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Renewable Energy 3/ Electricity | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 |
| Delivered Energy | 0.552 | 0.575 | 0.579 | 0.595 | 0.619 | 0.630 | 0.640 | 0.652 | 0.665 | 0.677 | 0.689 | 0.700 | 0.711 |
| Electricity Related Losses | 0.965 | 0.976 | 0.981 | 0.986 | 1.016 | 1.032 | 1.048 | 1.067 | 1.086 | 1.106 | 1.123 | 1.140 | 1.156 |
| Total | 0.855 | 0.799 | 0.922 | 0.944 | 0.981 | 1.024 | 0.992 | 1.026 | 1.035 | 1.053 | 1.055 | 1.053 | 1.039 |
| Total | 1.820 | 1.776 | 1.903 | 1.930 | 1.998 | 2.056 | 2.041 | 2.093 | 2.121 | 2.158 | 2.179 | 2.194 | 2.196 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.026 | 0.027 | 0.027 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.038 | 0.038 | 0.039 | 0.039 | 0.040 | 0.040 | 0.041 |
| Residual Fuel Oil | 0.111 | 0.113 | 0.122 | 0.115 | 0.113 | 0.111 | 0.111 | 0.111 | 0.113 | 0.113 | 0.115 | 0.116 | 0.117 |
| Petrochemical Feedstocks | 0.005 | 0.005 | 0.005 | 0.024 | 0.025 | 0.029 | 0.033 | 0.025 | 0.025 | 0.025 | 0.024 | 0.028 | 0.034 |
| Liquid Fuels Subtotal | 0.040 | 0.032 | 0.032 | 0.034 | 0.036 | 0.037 | 0.037 | 0.038 | 0.038 | 0.039 | 0.038 | 0.038 | 0.038 |
| Other Petroleum 5/ Natural Gas | 0.708 | 0.697 | 0.698 | 0.589 | 0.587 | 0.629 | 0.600 | 0.644 | 0.609 | 0.647 | 0.650 | 0.655 | 0.661 |
| Liquid Fuels Subtotal | 0.928 | 0.912 | 0.921 | 0.818 | 0.816 | 0.862 | 0.837 | 0.876 | 0.842 | 0.883 | 0.887 | 0.897 | 0.910 |
| Natural Gas | 1.050 | 1.016 | 1.024 | 0.941 | 0.955 | 0.912 | 0.971 | 0.921 | 0.978 | 0.935 | 0.937 | 0.944 | 0.954 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.331 | 0.341 | 0.267 | 0.265 | 0.262 | 0.255 | 0.249 | 0.244 | 0.239 | 0.235 | 0.239 | 0.244 | 0.246 |
| Natural Gas Subtotal | 1.381 | 1.357 | 1.291 | 1.206 | 1.216 | 1.167 | 1.220 | 1.165 | 1.217 | 1.170 | 1.176 | 1.188 | 1.200 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Industrial Coal | 0.056 | 0.055 | 0.054 | 0.057 | 0.058 | 0.058 | 0.058 | 0.057 | 0.058 | 0.058 | 0.058 | 0.058 | 0.058 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.056 | 0.055 | 0.054 | 0.057 | 0.058 | 0.058 | 0.058 | 0.057 | 0.058 | 0.058 | 0.058 | 0.058 | 0.058 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 7/ Electricity | 0.114 | 0.097 | 0.105 | 0.105 | 0.103 | 0.103 | 0.104 | 0.105 | 0.107 | 0.108 | 0.109 | 0.111 | 0.113 |
| Delivered Energy | 0.293 | 0.308 | 0.311 | 0.327 | 0.327 | 0.329 | 0.332 | 0.337 | 0.342 | 0.346 | 0.350 | 0.354 | 0.358 |
| Electricity Related Losses | 2.985 | 2.973 | 2.998 | 2.866 | 2.974 | 3.132 | 3.240 | 3.248 | 3.287 | 3.292 | 3.310 | 3.343 | 3.379 |
| Total | 0.453 | 0.428 | 0.496 | 0.518 | 0.518 | 0.534 | 0.515 | 0.531 | 0.533 | 0.538 | 0.536 | 0.532 | 0.523 |
| Total | 3.438 | 3.402 | 3.494 | 3.385 | 3.492 | 3.666 | 3.755 | 3.779 | 3.820 | 3.830 | 3.846 | 3.876 | 3.902 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.005 | 0.007 | 0.006 | 0.013 | 0.011 | 0.011 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 |

Table 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Pacific-09

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 2.582 | 2.580 | 2.607 | 2.601 | 2.616 | 2.635 | 2.660 | 2.693 | 2.728 | 2.766 | 2.807 | 2.849 | 2.892 |
| Jet Fuel 9/ | 0.927 | 0.923 | 0.933 | 0.967 | 1.004 | 1.050 | 1.109 | 1.134 | 1.151 | 1.167 | 1.181 | 1.194 | 1.208 |
| Distillate Fuel Oil 10/ | 0.908 | 0.921 | 0.945 | 0.966 | 0.982 | 0.999 | 1.018 | 1.040 | 1.062 | 1.082 | 1.100 | 1.118 | 1.137 |
| Residual Fuel Oil | 0.281 | 0.308 | 0.282 | 0.290 | 0.297 | 0.305 | 0.312 | 0.313 | 0.314 | 0.314 | 0.315 | 0.316 | 0.317 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 11/ | 0.023 | 0.032 | 0.031 | 0.031 | 0.032 | 0.032 | 0.032 | 0.032 | 0.032 | 0.032 | 0.032 | 0.033 | 0.033 |
| Liquid Fuels Subtotal | 4.727 | 4.771 | 4.805 | 4.868 | 4.942 | 5.033 | 5.141 | 5.221 | 5.296 | 5.370 | 5.446 | 5.520 | 5.598 |
| Pipeline Fuel Natural Gas | 0.036 | 0.036 | 0.031 | 0.032 | 0.032 | 0.030 | 0.028 | 0.028 | 0.029 | 0.031 | 0.030 | 0.030 | 0.030 |
| Compressed Natural Gas | 0.004 | 0.005 | 0.007 | 0.007 | 0.008 | 0.008 | 0.009 | 0.010 | 0.010 | 0.011 | 0.011 | 0.012 | 0.012 |
| Electricity | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Delivered Energy | 4.770 | 4.815 | 4.846 | 4.910 | 4.985 | 5.075 | 5.181 | 5.262 | 5.339 | 5.415 | 5.491 | 5.566 | 5.644 |
| Electricity Related Losses | 0.005 | 0.004 | 0.005 | 0.005 | 0.005 | 0.006 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Total | 4.775 | 4.820 | 4.851 | 4.916 | 4.990 | 5.080 | 5.187 | 5.268 | 5.345 | 5.421 | 5.497 | 5.572 | 5.650 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.068 | 0.069 | 0.069 | 0.066 | 0.065 | 0.065 | 0.063 | 0.064 | 0.065 | 0.065 | 0.066 | 0.066 | 0.067 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 2.621 | 2.619 | 2.646 | 2.640 | 2.655 | 2.674 | 2.699 | 2.733 | 2.768 | 2.806 | 2.848 | 2.891 | 2.935 |
| Jet Fuel 9/ | 0.927 | 0.923 | 0.933 | 0.967 | 1.004 | 1.050 | 1.109 | 1.134 | 1.151 | 1.167 | 1.181 | 1.194 | 1.208 |
| Kerosene | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Distillate Fuel Oil | 1.068 | 1.085 | 1.118 | 1.130 | 1.144 | 1.160 | 1.178 | 1.202 | 1.225 | 1.247 | 1.267 | 1.286 | 1.307 |
| Residual Fuel Oil | 0.287 | 0.313 | 0.287 | 0.314 | 0.322 | 0.333 | 0.345 | 0.338 | 0.338 | 0.340 | 0.340 | 0.344 | 0.351 |
| Petrochemical Feedstocks | 0.040 | 0.032 | 0.032 | 0.034 | 0.036 | 0.037 | 0.037 | 0.038 | 0.038 | 0.039 | 0.038 | 0.038 | 0.038 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.731 | 0.729 | 0.728 | 0.619 | 0.618 | 0.660 | 0.632 | 0.676 | 0.641 | 0.679 | 0.682 | 0.687 | 0.693 |
| Liquid Fuels Subtotal | 5.747 | 5.775 | 5.819 | 5.775 | 5.847 | 5.984 | 6.069 | 6.189 | 6.231 | 6.347 | 6.427 | 6.512 | 6.604 |
| Natural Gas | 2.081 | 2.022 | 2.055 | 1.977 | 2.012 | 1.985 | 2.059 | 2.027 | 2.101 | 2.072 | 2.089 | 2.109 | 2.134 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.331 | 0.341 | 0.267 | 0.265 | 0.262 | 0.255 | 0.249 | 0.244 | 0.239 | 0.235 | 0.239 | 0.244 | 0.246 |
| Pipeline Natural Gas | 0.036 | 0.036 | 0.031 | 0.032 | 0.032 | 0.030 | 0.028 | 0.028 | 0.029 | 0.031 | 0.030 | 0.030 | 0.030 |
| Natural Gas Subtotal | 2.448 | 2.398 | 2.353 | 2.274 | 2.305 | 2.269 | 2.336 | 2.298 | 2.369 | 2.338 | 2.358 | 2.384 | 2.410 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 0.065 | 0.063 | 0.062 | 0.064 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.065 | 0.063 | 0.062 | 0.064 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 | 0.066 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 13/ | 0.202 | 0.187 | 0.200 | 0.199 | 0.199 | 0.198 | 0.199 | 0.200 | 0.201 | 0.201 | 0.202 | 0.204 | 0.206 |
| Electricity | 1.327 | 1.382 | 1.396 | 1.432 | 1.469 | 1.488 | 1.510 | 1.534 | 1.560 | 1.582 | 1.604 | 1.624 | 1.647 |
| Delivered Energy | 10.001 | 10.051 | 10.145 | 10.099 | 10.341 | 10.620 | 10.869 | 10.994 | 11.149 | 11.262 | 11.387 | 11.526 | 11.673 |
| Electricity Related Losses | 2.056 | 1.922 | 2.222 | 2.273 | 2.327 | 2.418 | 2.341 | 2.414 | 2.430 | 2.460 | 2.457 | 2.445 | 2.407 |
| Total | 12.057 | 11.973 | 12.367 | 12.372 | 12.668 | 13.038 | 13.210 | 13.408 | 13.579 | 13.721 | 13.844 | 13.970 | 14.080 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.003 | 0.004 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 |
| Residual Fuel Oil | 0.034 | 0.038 | 0.090 | 0.092 | 0.095 | 0.096 | 0.097 | 0.099 | 0.101 | 0.102 | 0.103 | 0.105 | 0.106 |
| Liquid Fuels Subtotal | 0.038 | 0.042 | 0.099 | 0.102 | 0.104 | 0.106 | 0.107 | 0.109 | 0.111 | 0.112 | 0.114 | 0.115 | 0.117 |
| Natural Gas | 0.972 | 0.864 | 0.896 | 0.908 | 0.936 | 0.990 | 0.877 | 0.928 | 0.970 | 1.029 | 1.045 | 1.051 | 1.033 |
| Steam Coal | 0.189 | 0.186 | 0.193 | 0.190 | 0.188 | 0.189 | 0.190 | 0.190 | 0.190 | 0.191 | 0.191 | 0.191 | 0.191 |
| Nuclear Power | 0.444 | 0.384 | 0.447 | 0.448 | 0.448 | 0.447 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 |
| Renewable Energy 15/ | 1.745 | 1.819 | 1.974 | 2.052 | 2.115 | 2.173 | 2.225 | 2.269 | 2.267 | 2.256 | 2.259 | 2.261 | 2.261 |
| Electricity Imports | -0.004 | 0.008 | 0.009 | 0.006 | 0.005 | 0.002 | 0.004 | 0.003 | 0.004 | 0.005 | 0.004 | 0.003 | 0.003 |
| Total | 3.383 | 3.304 | 3.618 | 3.706 | 3.796 | 3.907 | 3.851 | 3.948 | 3.990 | 4.042 | 4.061 | 4.069 | 4.054 |

Table 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Pacific-09

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.068 | 0.069 | 0.069 | 0.066 | 0.065 | 0.065 | 0.063 | 0.064 | 0.065 | 0.065 | 0.066 | 0.066 | 0.067 |
| E85 8/ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Motor Gasoline 2/ | 2.621 | 2.619 | 2.646 | 2.640 | 2.655 | 2.674 | 2.699 | 2.733 | 2.768 | 2.806 | 2.848 | 2.891 | 2.935 |
| Jet Fuel 9/ | 0.927 | 0.923 | 0.933 | 0.967 | 1.004 | 1.050 | 1.109 | 1.134 | 1.151 | 1.167 | 1.181 | 1.194 | 1.208 |
| Kerosene | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Distillate Fuel Oil | 1.071 | 1.089 | 1.127 | 1.140 | 1.154 | 1.170 | 1.188 | 1.212 | 1.236 | 1.257 | 1.277 | 1.297 | 1.318 |
| Residual Fuel Oil | 0.321 | 0.351 | 0.377 | 0.406 | 0.417 | 0.429 | 0.442 | 0.436 | 0.439 | 0.442 | 0.443 | 0.449 | 0.457 |
| Petrochemical Feedstocks | 0.040 | 0.032 | 0.032 | 0.034 | 0.036 | 0.037 | 0.037 | 0.038 | 0.038 | 0.039 | 0.038 | 0.038 | 0.038 |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Petroleum 12/ | 0.731 | 0.729 | 0.728 | 0.619 | 0.618 | 0.660 | 0.632 | 0.676 | 0.641 | 0.679 | 0.682 | 0.687 | 0.693 |
| Liquid Fuels Subtotal | 5.784 | 5.817 | 5.918 | 5.876 | 5.952 | 6.090 | 6.176 | 6.298 | 6.341 | 6.460 | 6.541 | 6.627 | 6.720 |
| Natural Gas | 3.052 | 2.886 | 2.951 | 2.884 | 2.948 | 2.975 | 2.936 | 2.955 | 3.071 | 3.101 | 3.133 | 3.160 | 3.166 |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Lease and Plant Fuel 6/ | 0.331 | 0.341 | 0.267 | 0.265 | 0.262 | 0.255 | 0.249 | 0.244 | 0.239 | 0.235 | 0.239 | 0.244 | 0.246 |
| Pipeline Natural Gas | 0.036 | 0.036 | 0.031 | 0.032 | 0.032 | 0.030 | 0.028 | 0.028 | 0.029 | 0.031 | 0.030 | 0.030 | 0.030 |
| Natural Gas Subtotal | 3.420 | 3.263 | 3.249 | 3.181 | 3.241 | 3.260 | 3.213 | 3.227 | 3.339 | 3.367 | 3.403 | 3.434 | 3.443 |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other Coal | 0.254 | 0.250 | 0.255 | 0.255 | 0.254 | 0.255 | 0.256 | 0.256 | 0.256 | 0.257 | 0.257 | 0.257 | 0.258 |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Coal Subtotal | 0.254 | 0.250 | 0.255 | 0.255 | 0.254 | 0.255 | 0.256 | 0.256 | 0.256 | 0.257 | 0.257 | 0.257 | 0.258 |
| Nuclear Power | 0.444 | 0.384 | 0.447 | 0.448 | 0.448 | 0.447 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 |
| Biofuels Heat and Coproducts | 0.213 | 0.245 | 0.315 | 0.354 | 0.454 | 0.613 | 0.689 | 0.707 | 0.722 | 0.727 | 0.731 | 0.736 | 0.740 |
| Renewable Energy 16/ | 1.946 | 2.006 | 2.174 | 2.252 | 2.314 | 2.371 | 2.424 | 2.469 | 2.468 | 2.458 | 2.461 | 2.464 | 2.467 |
| Electricity Imports | -0.004 | 0.008 | 0.009 | 0.006 | 0.005 | 0.002 | 0.004 | 0.003 | 0.004 | 0.005 | 0.004 | 0.003 | 0.003 |
| Total | 12.057 | 11.973 | 12.367 | 12.372 | 12.668 | 13.038 | 13.210 | 13.408 | 13.579 | 13.721 | 13.844 | 13.970 | 14.080 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 10.001 | 10.051 | 10.145 | 10.099 | 10.341 | 10.620 | 10.869 | 10.994 | 11.149 | 11.262 | 11.387 | 11.526 | 11.673 |
| Total Energy Use | 12.057 | 11.973 | 12.367 | 12.372 | 12.668 | 13.038 | 13.210 | 13.408 | 13.579 | 13.721 | 13.844 | 13.970 | 14.080 |
| Population (millions) | 47.704 | 48.233 | 48.761 | 49.289 | 49.816 | 50.348 | 50.884 | 51.425 | 51.975 | 52.533 | 53.097 | 53.666 | 54.239 |
| Carbon Dioxide Emissions (million metric tons) | 591.86 | 587.58 | 594.17 | 588.85 | 595.93 | 604.30 | 607.34 | 616.15 | 625.22 | 634.62 | 642.07 | 649.49 | 656.27 |

Table 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Pacific-09

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.033 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 0.037 | 0.037 | 0.8% |
| Kerosene | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | -1.1% |
| Distillate Fuel Oil | 0.026 | 0.026 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.023 | -0.3% |
| Liquid Fuels Subtotal | 0.061 | 0.061 | 0.061 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.062 | 0.063 | 0.063 | 0.063 | 0.3% |
| Natural Gas | 0.787 | 0.795 | 0.805 | 0.815 | 0.819 | 0.826 | 0.831 | 0.839 | 0.843 | 0.850 | 0.857 | 0.865 | 0.867 | 0.873 | 1.1% |
| Coal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | -1.4% |
| Renewable Energy 1/ Electricity | 0.578 | 0.585 | 0.592 | 0.600 | 0.604 | 0.611 | 0.618 | 0.627 | 0.632 | 0.639 | 0.646 | 0.654 | 0.658 | 0.664 | 1.2% |
| Delivered Energy | 1.501 | 1.516 | 1.533 | 1.553 | 1.562 | 1.575 | 1.587 | 1.604 | 1.614 | 1.628 | 1.642 | 1.659 | 1.665 | 1.677 | 1.1% |
| Electricity Related Losses | 0.819 | 0.804 | 0.774 | 0.763 | 0.757 | 0.739 | 0.718 | 0.705 | 0.674 | 0.654 | 0.629 | 0.615 | 0.602 | 0.590 | -0.6% |
| Total | 2.320 | 2.320 | 2.307 | 2.315 | 2.318 | 2.313 | 2.305 | 2.309 | 2.288 | 2.282 | 2.270 | 2.274 | 2.268 | 2.267 | 0.6% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.5% |
| Motor Gasoline 2/ Kerosene | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.4% |
| Distillate Fuel Oil | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.5% |
| Residual Fuel Oil | 0.026 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.028 | 0.3% |
| Liquid Fuels Subtotal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Natural Gas | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 0.036 | 0.037 | 0.037 | 0.037 | 0.037 | 0.4% |
| Coal | 0.389 | 0.394 | 0.401 | 0.406 | 0.412 | 0.416 | 0.421 | 0.426 | 0.431 | 0.437 | 0.442 | 0.447 | 0.452 | 0.456 | 1.2% |
| Renewable Energy 3/ Electricity | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | -0.2% |
| Delivered Energy | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.0% |
| Electricity Related Losses | 0.723 | 0.735 | 0.748 | 0.761 | 0.774 | 0.788 | 0.802 | 0.817 | 0.832 | 0.847 | 0.862 | 0.878 | 0.894 | 0.910 | 1.9% |
| Total | 1.172 | 1.189 | 1.209 | 1.228 | 1.247 | 1.266 | 1.285 | 1.304 | 1.325 | 1.346 | 1.367 | 1.388 | 1.410 | 1.429 | 1.5% |
| Electricity Related Losses | 1.024 | 1.011 | 0.978 | 0.967 | 0.969 | 0.952 | 0.932 | 0.918 | 0.887 | 0.866 | 0.839 | 0.826 | 0.818 | 0.808 | 0.0% |
| Total | 2.195 | 2.200 | 2.187 | 2.195 | 2.216 | 2.218 | 2.216 | 2.222 | 2.212 | 2.212 | 2.206 | 2.214 | 2.227 | 2.237 | 0.9% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | -1.1% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.041 | 0.042 | 0.042 | 0.043 | 0.043 | 0.044 | 0.044 | 0.045 | 0.046 | 0.046 | 0.047 | 0.047 | 0.048 | 0.049 | 1.1% |
| Residual Fuel Oil | 0.118 | 0.120 | 0.120 | 0.122 | 0.123 | 0.124 | 0.125 | 0.126 | 0.128 | 0.130 | 0.131 | 0.132 | 0.134 | 0.135 | 0.7% |
| Petrochemical Feedstocks | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.037 | 0.037 | 0.037 | 0.037 | 8.2% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.4% |
| Natural Gas | 0.666 | 0.632 | 0.678 | 0.688 | 0.654 | 0.706 | 0.670 | 0.678 | 0.688 | 0.697 | 0.706 | 0.709 | 0.721 | 0.726 | 0.2% |
| Natural-Gas-to-Liquids Heat and Power | 0.916 | 0.884 | 0.932 | 0.944 | 0.912 | 0.966 | 0.931 | 0.941 | 0.953 | 0.966 | 0.976 | 0.982 | 0.996 | 1.004 | 0.4% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 0.961 | 1.027 | 0.988 | 0.997 | 1.067 | 1.017 | 1.082 | 1.092 | 1.109 | 1.121 | 1.136 | 1.152 | 1.162 | 1.180 | 0.6% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Industrial Coal | 0.246 | 0.304 | 0.363 | 0.373 | 0.380 | 0.375 | 0.370 | 0.363 | 0.357 | 0.352 | 0.347 | 0.343 | 0.340 | 0.335 | -0.1% |
| Coal-to-Liquids Heat and Power | 1.207 | 1.331 | 1.351 | 1.371 | 1.447 | 1.392 | 1.452 | 1.455 | 1.466 | 1.473 | 1.483 | 1.495 | 1.502 | 1.515 | 0.4% |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.058 | 0.058 | 0.058 | 0.058 | 0.059 | 0.059 | 0.059 | 0.060 | 0.060 | 0.060 | 0.061 | 0.061 | 0.061 | 0.062 | 0.5% |
| Biofuels Heat and Coproducts | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Renewable Energy 7/ Electricity | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Delivered Energy | 0.058 | 0.058 | 0.058 | 0.058 | 0.059 | 0.059 | 0.059 | 0.060 | 0.060 | 0.060 | 0.061 | 0.061 | 0.061 | 0.062 | 0.5% |
| Electricity Related Losses | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Total | 0.114 | 0.115 | 0.116 | 0.118 | 0.119 | 0.120 | 0.122 | 0.124 | 0.126 | 0.128 | 0.130 | 0.132 | 0.134 | 0.137 | 1.4% |
| Electricity | 3.403 | 3.510 | 3.595 | 3.641 | 3.706 | 3.724 | 3.762 | 3.792 | 3.837 | 3.874 | 3.913 | 3.945 | 3.984 | 4.024 | 1.2% |
| Electricity Related Losses | 0.511 | 0.500 | 0.481 | 0.474 | 0.472 | 0.463 | 0.450 | 0.442 | 0.426 | 0.415 | 0.401 | 0.393 | 0.388 | 0.382 | -0.5% |
| Total | 3.914 | 4.010 | 4.076 | 4.115 | 4.178 | 4.187 | 4.212 | 4.234 | 4.263 | 4.289 | 4.315 | 4.338 | 4.372 | 4.406 | 1.0% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.015 | 3.0% |

Table 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Pacific-09

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 11.8% |
| Motor Gasoline 2/ | 2.938 | 2.984 | 3.028 | 3.076 | 3.125 | 3.172 | 3.224 | 3.276 | 3.325 | 3.381 | 3.437 | 3.489 | 3.547 | 3.600 | 1.3% |
| Jet Fuel 9/ | 1.222 | 1.234 | 1.248 | 1.252 | 1.255 | 1.258 | 1.261 | 1.264 | 1.268 | 1.272 | 1.277 | 1.284 | 1.291 | 1.301 | 1.4% |
| Distillate Fuel Oil 10/ | 1.152 | 1.167 | 1.185 | 1.206 | 1.228 | 1.252 | 1.276 | 1.303 | 1.334 | 1.365 | 1.397 | 1.430 | 1.462 | 1.495 | 2.0% |
| Residual Fuel Oil | 0.317 | 0.318 | 0.319 | 0.320 | 0.321 | 0.321 | 0.322 | 0.322 | 0.323 | 0.324 | 0.324 | 0.325 | 0.326 | 0.326 | 0.2% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 43.4% |
| Other Petroleum 11/ | 0.033 | 0.033 | 0.033 | 0.033 | 0.033 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.2% |
| Liquid Fuels Subtotal | 5.674 | 5.747 | 5.825 | 5.900 | 5.976 | 6.051 | 6.131 | 6.214 | 6.300 | 6.393 | 6.487 | 6.580 | 6.679 | 6.777 | 1.4% |
| Pipeline Fuel Natural Gas | 0.029 | 0.071 | 0.110 | 0.119 | 0.129 | 0.128 | 0.128 | 0.128 | 0.127 | 0.128 | 0.128 | 0.128 | 0.128 | 0.128 | 5.2% |
| Compressed Natural Gas | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.017 | 0.017 | 0.018 | 0.018 | 5.4% |
| Electricity | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 1.9% |
| Delivered Energy | 5.720 | 5.835 | 5.953 | 6.037 | 6.124 | 6.198 | 6.279 | 6.362 | 6.448 | 6.542 | 6.637 | 6.730 | 6.829 | 6.927 | 1.5% |
| Electricity Related Losses | 0.006 | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.004 | 0.1% |
| Total | 5.725 | 5.841 | 5.958 | 6.042 | 6.129 | 6.204 | 6.284 | 6.368 | 6.453 | 6.546 | 6.641 | 6.735 | 6.834 | 6.932 | 1.5% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.067 | 0.068 | 0.069 | 0.070 | 0.071 | 0.071 | 0.072 | 0.073 | 0.074 | 0.074 | 0.075 | 0.076 | 0.077 | 0.078 | 0.5% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 11.8% |
| Motor Gasoline 2/ | 2.981 | 3.027 | 3.071 | 3.120 | 3.170 | 3.218 | 3.270 | 3.323 | 3.373 | 3.429 | 3.486 | 3.539 | 3.597 | 3.651 | 1.3% |
| Jet Fuel 9/ | 1.222 | 1.234 | 1.248 | 1.252 | 1.255 | 1.258 | 1.261 | 1.264 | 1.268 | 1.272 | 1.277 | 1.284 | 1.291 | 1.301 | 1.4% |
| Kerosene | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -0.7% |
| Distillate Fuel Oil | 1.323 | 1.338 | 1.357 | 1.380 | 1.404 | 1.428 | 1.454 | 1.481 | 1.513 | 1.547 | 1.581 | 1.614 | 1.647 | 1.682 | 1.8% |
| Residual Fuel Oil | 0.351 | 0.352 | 0.354 | 0.355 | 0.356 | 0.357 | 0.358 | 0.358 | 0.359 | 0.360 | 0.361 | 0.362 | 0.363 | 0.364 | 0.6% |
| Petrochemical Feedstocks | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.4% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 43.4% |
| Other Petroleum 12/ | 0.698 | 0.664 | 0.711 | 0.721 | 0.687 | 0.739 | 0.703 | 0.711 | 0.721 | 0.731 | 0.739 | 0.743 | 0.754 | 0.760 | 0.2% |
| Liquid Fuels Subtotal | 6.686 | 6.727 | 6.853 | 6.941 | 6.985 | 7.115 | 7.160 | 7.254 | 7.352 | 7.457 | 7.563 | 7.662 | 7.774 | 7.881 | 1.3% |
| Natural Gas | 2.149 | 2.229 | 2.206 | 2.232 | 2.313 | 2.273 | 2.349 | 2.372 | 2.399 | 2.424 | 2.452 | 2.482 | 2.500 | 2.527 | 0.9% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.246 | 0.304 | 0.363 | 0.373 | 0.380 | 0.375 | 0.370 | 0.363 | 0.357 | 0.352 | 0.347 | 0.343 | 0.340 | 0.335 | -0.1% |
| Pipeline Natural Gas | 0.029 | 0.071 | 0.110 | 0.119 | 0.129 | 0.128 | 0.128 | 0.128 | 0.127 | 0.128 | 0.128 | 0.128 | 0.128 | 0.128 | 5.2% |
| Natural Gas Subtotal | 2.424 | 2.604 | 2.680 | 2.724 | 2.822 | 2.776 | 2.847 | 2.863 | 2.884 | 2.904 | 2.927 | 2.953 | 2.967 | 2.989 | 0.9% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 | 0.067 | 0.068 | 0.068 | 0.068 | 0.069 | 0.069 | 0.070 | 0.070 | 0.070 | 0.4% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 | 0.067 | 0.068 | 0.068 | 0.068 | 0.069 | 0.069 | 0.070 | 0.070 | 0.070 | 0.4% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 13/ | 0.207 | 0.208 | 0.209 | 0.211 | 0.213 | 0.214 | 0.216 | 0.218 | 0.220 | 0.222 | 0.225 | 0.227 | 0.229 | 0.231 | 0.8% |
| Electricity | 1.666 | 1.687 | 1.711 | 1.738 | 1.760 | 1.786 | 1.813 | 1.841 | 1.867 | 1.896 | 1.925 | 1.955 | 1.982 | 2.010 | 1.5% |
| Delivered Energy | 11.796 | 12.050 | 12.290 | 12.459 | 12.638 | 12.763 | 12.912 | 13.063 | 13.224 | 13.389 | 13.559 | 13.722 | 13.888 | 14.057 | 1.4% |
| Electricity Related Losses | 2.359 | 2.320 | 2.238 | 2.209 | 2.204 | 2.159 | 2.105 | 2.070 | 1.992 | 1.940 | 1.874 | 1.838 | 1.813 | 1.785 | -0.3% |
| Total | 14.156 | 14.371 | 14.528 | 14.668 | 14.842 | 14.922 | 15.017 | 15.133 | 15.216 | 15.329 | 15.433 | 15.560 | 15.701 | 15.841 | 1.1% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.011 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.013 | 0.013 | 4.9% |
| Residual Fuel Oil | 0.107 | 0.109 | 0.110 | 0.112 | 0.113 | 0.115 | 0.117 | 0.119 | 0.120 | 0.122 | 0.124 | 0.126 | 0.128 | 0.130 | 5.1% |
| Liquid Fuels Subtotal | 0.118 | 0.120 | 0.122 | 0.123 | 0.125 | 0.127 | 0.129 | 0.131 | 0.133 | 0.135 | 0.137 | 0.139 | 0.141 | 0.143 | 5.0% |
| Natural Gas | 0.981 | 0.920 | 0.854 | 0.847 | 0.861 | 0.838 | 0.802 | 0.793 | 0.741 | 0.715 | 0.676 | 0.659 | 0.657 | 0.654 | -1.1% |
| Steam Coal | 0.203 | 0.253 | 0.260 | 0.261 | 0.263 | 0.263 | 0.263 | 0.264 | 0.264 | 0.265 | 0.265 | 0.266 | 0.266 | 0.267 | 1.5% |
| Nuclear Power | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.6% |
| Renewable Energy 15/ | 2.270 | 2.262 | 2.261 | 2.264 | 2.263 | 2.265 | 2.271 | 2.271 | 2.269 | 2.269 | 2.268 | 2.278 | 2.278 | 2.279 | 0.9% |
| Electricity Imports | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -2.6% |
| Total | 4.025 | 4.008 | 3.949 | 3.947 | 3.964 | 3.945 | 3.917 | 3.912 | 3.860 | 3.836 | 3.799 | 3.794 | 3.795 | 3.794 | 0.6% |

Table 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Pacific-09

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.067 | 0.068 | 0.069 | 0.070 | 0.071 | 0.071 | 0.072 | 0.073 | 0.074 | 0.074 | 0.075 | 0.076 | 0.077 | 0.078 | 0.5% |
| E85 8/ | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 11.8% |
| Motor Gasoline 2/ | 2.981 | 3.027 | 3.071 | 3.120 | 3.170 | 3.218 | 3.270 | 3.323 | 3.373 | 3.429 | 3.486 | 3.539 | 3.597 | 3.651 | 1.3% |
| Jet Fuel 9/ | 1.222 | 1.234 | 1.248 | 1.252 | 1.255 | 1.258 | 1.261 | 1.264 | 1.268 | 1.272 | 1.277 | 1.284 | 1.291 | 1.301 | 1.4% |
| Kerosene | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -0.7% |
| Distillate Fuel Oil | 1.334 | 1.349 | 1.369 | 1.392 | 1.415 | 1.440 | 1.466 | 1.493 | 1.526 | 1.559 | 1.593 | 1.627 | 1.660 | 1.695 | 1.8% |
| Residual Fuel Oil | 0.459 | 0.461 | 0.464 | 0.467 | 0.469 | 0.472 | 0.475 | 0.477 | 0.480 | 0.482 | 0.485 | 0.488 | 0.490 | 0.493 | 1.4% |
| Petrochemical Feedstocks | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.4% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 43.4% |
| Other Petroleum 12/ | 0.698 | 0.664 | 0.711 | 0.721 | 0.687 | 0.739 | 0.703 | 0.711 | 0.721 | 0.731 | 0.739 | 0.743 | 0.754 | 0.760 | 0.2% |
| Liquid Fuels Subtotal | 6.804 | 6.847 | 6.975 | 7.064 | 7.110 | 7.242 | 7.289 | 7.385 | 7.484 | 7.592 | 7.699 | 7.800 | 7.914 | 8.023 | 1.3% |
| Natural Gas | 3.130 | 3.149 | 3.061 | 3.079 | 3.173 | 3.111 | 3.151 | 3.165 | 3.140 | 3.139 | 3.128 | 3.140 | 3.157 | 3.181 | 0.4% |
| Natural-Gas-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Lease and Plant Fuel 6/ | 0.246 | 0.304 | 0.363 | 0.373 | 0.380 | 0.375 | 0.370 | 0.363 | 0.357 | 0.352 | 0.347 | 0.343 | 0.340 | 0.335 | -0.1% |
| Pipeline Natural Gas | 0.029 | 0.071 | 0.110 | 0.119 | 0.129 | 0.128 | 0.128 | 0.128 | 0.127 | 0.128 | 0.128 | 0.128 | 0.128 | 0.128 | 5.2% |
| Natural Gas Subtotal | 3.405 | 3.524 | 3.534 | 3.571 | 3.682 | 3.615 | 3.649 | 3.656 | 3.625 | 3.618 | 3.603 | 3.611 | 3.625 | 3.643 | 0.4% |
| Metallurgical Coal | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Other Coal | 0.270 | 0.320 | 0.326 | 0.328 | 0.330 | 0.330 | 0.331 | 0.332 | 0.333 | 0.334 | 0.335 | 0.336 | 0.336 | 0.337 | 1.2% |
| Coal-to-Liquids Heat and Power | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Net Coal Coke Imports | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Coal Subtotal | 0.270 | 0.320 | 0.326 | 0.328 | 0.330 | 0.330 | 0.331 | 0.332 | 0.333 | 0.334 | 0.335 | 0.336 | 0.336 | 0.337 | 1.2% |
| Nuclear Power | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.448 | 0.6% |
| Biofuels Heat and Coproducts | 0.748 | 0.759 | 0.770 | 0.778 | 0.791 | 0.804 | 0.809 | 0.819 | 0.833 | 0.841 | 0.851 | 0.856 | 0.866 | 0.876 | 5.2% |
| Renewable Energy 16/ | 2.477 | 2.470 | 2.470 | 2.475 | 2.475 | 2.479 | 2.487 | 2.489 | 2.489 | 2.492 | 2.493 | 2.504 | 2.507 | 2.510 | 0.9% |
| Electricity Imports | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | -2.6% |
| Total | 14.156 | 14.371 | 14.528 | 14.668 | 14.842 | 14.922 | 15.017 | 15.133 | 15.216 | 15.329 | 15.433 | 15.560 | 15.701 | 15.841 | 1.1% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 11.796 | 12.050 | 12.290 | 12.459 | 12.638 | 12.763 | 12.912 | 13.063 | 13.224 | 13.389 | 13.559 | 13.722 | 13.888 | 14.057 | 1.4% |
| Total Energy Use | 14.156 | 14.371 | 14.528 | 14.668 | 14.842 | 14.922 | 15.017 | 15.133 | 15.216 | 15.329 | 15.433 | 15.560 | 15.701 | 15.841 | 1.1% |
| Population (millions) | 54.815 | 55.394 | 55.975 | 56.558 | 57.146 | 57.743 | 58.348 | 58.961 | 59.583 | 60.207 | 60.834 | 61.464 | 62.097 | 62.735 | 1.1% |
| Carbon Dioxide Emissions (million metric tons) | 661.01 | 674.96 | 684.44 | 692.41 | 701.57 | 706.54 | 711.83 | 718.58 | 723.60 | 730.61 | 737.13 | 744.57 | 752.98 | 761.28 | 1.0% |

Table 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - Pacific-09

- 1/ Includes wood used for residential heating.
 - 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
 - 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
 - 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
 - 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 9/ Includes only kerosene type.
 - 10/ Diesel fuel for on- and off- road use.
 - 11/ Includes aviation gasoline and lubricants.
 - 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
 - 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
 - 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
 - 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 10. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - United States

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.54 | 0.51 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.54 | 0.54 | 0.55 | 0.55 | 0.56 | 0.56 |
| Kerosene | 0.09 | 0.10 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Distillate Fuel Oil | 0.93 | 0.93 | 0.91 | 0.91 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.89 | 0.89 |
| Liquid Fuels Subtotal | 1.55 | 1.54 | 1.53 | 1.53 | 1.52 | 1.52 | 1.53 | 1.53 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| Natural Gas | 5.02 | 4.98 | 4.61 | 5.02 | 5.10 | 5.14 | 5.18 | 5.23 | 5.28 | 5.30 | 5.32 | 5.35 | 5.38 |
| Coal | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Renewable Energy 1/ Electricity | 0.40 4.41 | 0.41 4.66 | 0.40 4.73 | 0.43 4.78 | 0.43 4.89 | 0.43 4.97 | 0.43 5.06 | 0.42 5.14 | 0.42 5.23 | 0.41 5.29 | 0.41 5.36 | 0.41 5.43 | 0.41 5.51 |
| Delivered Energy | 11.39 | 11.60 | 11.28 | 11.78 | 11.97 | 12.07 | 12.21 | 12.34 | 12.49 | 12.56 | 12.65 | 12.74 | 12.85 |
| Electricity Related Losses | 9.75 | 10.15 | 10.30 | 10.40 | 10.56 | 10.72 | 10.90 | 11.01 | 11.14 | 11.21 | 11.34 | 11.44 | 11.59 |
| Total | 21.15 | 21.75 | 21.58 | 22.17 | 22.53 | 22.80 | 23.11 | 23.34 | 23.62 | 23.78 | 23.99 | 24.18 | 24.44 |
| Commercial | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| Motor Gasoline 2/ Kerosene | 0.05 0.02 | 0.05 0.02 | 0.05 0.03 | 0.05 0.02 | 0.05 0.02 | 0.05 0.03 | 0.05 0.03 | 0.05 0.03 | 0.05 0.03 | 0.05 0.03 | 0.05 0.03 | 0.05 0.03 | 0.05 0.03 |
| Distillate Fuel Oil | 0.47 | 0.48 | 0.46 | 0.44 | 0.43 | 0.44 | 0.45 | 0.46 | 0.46 | 0.47 | 0.48 | 0.48 | 0.48 |
| Residual Fuel Oil | 0.12 | 0.14 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.14 | 0.14 | 0.14 |
| Liquid Fuels Subtotal | 0.76 | 0.77 | 0.76 | 0.73 | 0.74 | 0.75 | 0.75 | 0.77 | 0.77 | 0.79 | 0.79 | 0.79 | 0.79 |
| Natural Gas | 3.23 | 3.15 | 3.01 | 3.11 | 3.20 | 3.26 | 3.31 | 3.39 | 3.46 | 3.53 | 3.58 | 3.64 | 3.68 |
| Coal | 0.10 | 0.10 | 0.08 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Renewable Energy 3/ Electricity | 0.12 4.19 | 0.12 4.32 | 0.12 4.37 | 0.12 4.45 | 0.12 4.59 | 0.12 4.68 | 0.12 4.77 | 0.12 4.87 | 0.12 4.98 | 0.12 5.09 | 0.12 5.19 | 0.12 5.28 | 0.12 5.38 |
| Delivered Energy | 8.40 | 8.46 | 8.34 | 8.51 | 8.74 | 8.90 | 9.05 | 9.25 | 9.43 | 9.62 | 9.78 | 9.93 | 10.08 |
| Electricity Related Losses | 9.27 | 9.42 | 9.51 | 9.68 | 9.90 | 10.10 | 10.27 | 10.44 | 10.61 | 10.78 | 10.97 | 11.13 | 11.31 |
| Total | 17.67 | 17.88 | 17.84 | 18.19 | 18.64 | 19.00 | 19.33 | 19.69 | 20.04 | 20.40 | 20.75 | 21.06 | 21.38 |
| Industrial 4/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 2.27 | 2.13 | 2.19 | 2.29 | 2.31 | 2.28 | 2.26 | 2.25 | 2.25 | 2.25 | 2.25 | 2.24 | 2.25 |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.32 1.21 | 0.32 1.23 | 0.32 1.30 | 0.32 1.24 | 0.31 1.21 | 0.32 1.19 | 0.32 1.18 | 0.32 1.18 | 0.32 1.18 | 0.32 1.19 | 0.32 1.19 | 0.32 1.19 | 0.33 1.20 |
| Residual Fuel Oil | 0.22 | 0.23 | 0.22 | 0.18 | 0.18 | 0.18 | 0.18 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| Petrochemical Feedstocks | 1.54 | 1.38 | 1.32 | 1.42 | 1.47 | 1.47 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| Other Petroleum 5/ Liquid Fuels Subtotal | 4.53 10.09 | 4.45 9.73 | 4.44 9.79 | 4.14 9.60 | 4.17 9.66 | 4.18 9.61 | 4.05 9.47 | 4.20 9.61 | 4.18 9.59 | 4.24 9.65 | 4.15 9.57 | 4.26 9.68 | 4.29 9.73 |
| Natural Gas | 7.45 | 6.84 | 6.96 | 7.36 | 7.42 | 7.57 | 7.86 | 7.76 | 7.84 | 7.84 | 7.99 | 7.90 | 7.94 |
| Natural-Gas-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 1.13 8.58 | 1.10 7.94 | 1.12 8.08 | 1.10 8.46 | 1.11 8.53 | 1.11 8.67 | 1.10 8.95 | 1.09 8.84 | 1.09 8.93 | 1.08 8.93 | 1.10 9.10 | 1.10 9.00 | 1.11 9.05 |
| Metallurgical Coal | 0.65 | 0.62 | 0.66 | 0.62 | 0.62 | 0.61 | 0.60 | 0.60 | 0.60 | 0.59 | 0.59 | 0.59 | 0.58 |
| Other Industrial Coal | 1.40 | 1.35 | 1.37 | 1.35 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 | 1.35 |
| Coal-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.09 | 0.12 | 0.12 | 0.12 |
| Net Coal Coke Imports | 0.14 | 0.04 | 0.06 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Coal Subtotal | 2.18 | 2.01 | 2.08 | 1.99 | 2.01 | 2.00 | 2.00 | 2.06 | 2.06 | 2.05 | 2.08 | 2.07 | 2.07 |
| Biofuels Heat and Coproducts | 0.21 | 0.24 | 0.32 | 0.35 | 0.45 | 0.61 | 0.69 | 0.71 | 0.72 | 0.73 | 0.73 | 0.74 | 0.74 |
| Renewable Energy 7/ Electricity | 1.70 3.48 | 1.44 3.48 | 1.57 3.48 | 1.58 3.56 | 1.58 3.58 | 1.58 3.60 | 1.60 3.63 | 1.62 3.65 | 1.64 3.69 | 1.67 3.72 | 1.69 3.74 | 1.71 3.76 | 1.74 3.79 |
| Delivered Energy | 26.24 | 24.85 | 25.33 | 25.55 | 25.82 | 26.08 | 26.33 | 26.49 | 26.64 | 26.74 | 26.90 | 26.97 | 27.12 |
| Electricity Related Losses | 7.68 | 7.60 | 7.58 | 7.73 | 7.74 | 7.76 | 7.81 | 7.82 | 7.86 | 7.88 | 7.91 | 7.93 | 7.96 |
| Total | 33.92 | 32.45 | 32.91 | 33.28 | 33.55 | 33.84 | 34.14 | 34.32 | 34.49 | 34.62 | 34.81 | 34.89 | 35.08 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.03 | 0.04 | 0.04 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 |

Table 10. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - United States

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E85 8/ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Motor Gasoline 2/ | 17.01 | 17.00 | 17.18 | 17.11 | 17.14 | 17.24 | 17.37 | 17.58 | 17.80 | 18.03 | 18.30 | 18.57 | 18.84 |
| Jet Fuel 9/ | 3.38 | 3.37 | 3.41 | 3.53 | 3.66 | 3.83 | 4.04 | 4.13 | 4.19 | 4.25 | 4.30 | 4.34 | 4.39 |
| Distillate Fuel Oil 10/ | 5.93 | 6.02 | 6.17 | 6.31 | 6.41 | 6.52 | 6.64 | 6.79 | 6.92 | 7.05 | 7.16 | 7.28 | 7.40 |
| Residual Fuel Oil | 0.74 | 0.81 | 0.74 | 0.76 | 0.78 | 0.80 | 0.82 | 0.83 | 0.83 | 0.83 | 0.83 | 0.84 | 0.84 |
| Liquid Hydrogen | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Petroleum 11/ | 0.15 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.19 | 0.19 |
| Liquid Fuels Subtotal | 27.25 | 27.42 | 27.72 | 27.95 | 28.23 | 28.63 | 29.11 | 29.55 | 29.98 | 30.40 | 30.83 | 31.26 | 31.71 |
| Pipeline Fuel Natural Gas | 0.59 | 0.58 | 0.57 | 0.63 | 0.65 | 0.66 | 0.66 | 0.67 | 0.68 | 0.68 | 0.69 | 0.70 | 0.70 |
| Compressed Natural Gas | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 |
| Electricity | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Delivered Energy | 27.89 | 28.05 | 28.36 | 28.65 | 28.96 | 29.37 | 29.86 | 30.31 | 30.75 | 31.18 | 31.63 | 32.07 | 32.53 |
| Electricity Related Losses | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 |
| Total | 27.94 | 28.11 | 28.41 | 28.71 | 29.02 | 29.43 | 29.92 | 30.38 | 30.82 | 31.25 | 31.69 | 32.14 | 32.59 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 2.93 | 2.77 | 2.85 | 2.96 | 2.98 | 2.95 | 2.93 | 2.93 | 2.94 | 2.94 | 2.94 | 2.95 | 2.96 |
| E85 8/ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Motor Gasoline 2/ | 17.38 | 17.37 | 17.55 | 17.47 | 17.51 | 17.60 | 17.74 | 17.94 | 18.17 | 18.40 | 18.67 | 18.94 | 19.22 |
| Jet Fuel 9/ | 3.38 | 3.37 | 3.41 | 3.53 | 3.66 | 3.83 | 4.04 | 4.13 | 4.19 | 4.25 | 4.30 | 4.34 | 4.39 |
| Kerosene | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| Distillate Fuel Oil | 8.54 | 8.65 | 8.85 | 8.90 | 8.96 | 9.05 | 9.17 | 9.32 | 9.47 | 9.61 | 9.73 | 9.84 | 9.96 |
| Residual Fuel Oil | 1.08 | 1.17 | 1.09 | 1.08 | 1.10 | 1.12 | 1.13 | 1.14 | 1.14 | 1.16 | 1.15 | 1.15 | 1.16 |
| Petrochemical Feedstocks | 1.54 | 1.38 | 1.32 | 1.42 | 1.47 | 1.47 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| Liquid Hydrogen | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Petroleum 12/ | 4.66 | 4.61 | 4.59 | 4.30 | 4.33 | 4.34 | 4.22 | 4.36 | 4.34 | 4.40 | 4.31 | 4.42 | 4.46 |
| Liquid Fuels Subtotal | 39.65 | 39.46 | 39.80 | 39.81 | 40.15 | 40.51 | 40.86 | 41.46 | 41.89 | 42.39 | 42.75 | 43.29 | 43.79 |
| Natural Gas | 15.71 | 15.01 | 14.63 | 15.54 | 15.78 | 16.02 | 16.41 | 16.44 | 16.65 | 16.75 | 16.98 | 16.96 | 17.09 |
| Natural-Gas-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lease and Plant Fuel 6/ | 1.13 | 1.10 | 1.12 | 1.10 | 1.11 | 1.11 | 1.10 | 1.09 | 1.09 | 1.08 | 1.10 | 1.10 | 1.11 |
| Pipeline Natural Gas | 0.59 | 0.58 | 0.57 | 0.63 | 0.65 | 0.66 | 0.66 | 0.67 | 0.68 | 0.68 | 0.69 | 0.70 | 0.70 |
| Natural Gas Subtotal | 17.44 | 16.68 | 16.31 | 17.28 | 17.53 | 17.78 | 18.17 | 18.20 | 18.42 | 18.51 | 18.77 | 18.76 | 18.89 |
| Metallurgical Coal | 0.65 | 0.62 | 0.66 | 0.62 | 0.62 | 0.61 | 0.60 | 0.60 | 0.60 | 0.59 | 0.59 | 0.59 | 0.58 |
| Other Coal | 1.51 | 1.46 | 1.46 | 1.45 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 |
| Coal-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.09 | 0.12 | 0.12 | 0.12 |
| Net Coal Coke Imports | 0.14 | 0.04 | 0.06 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Coal Subtotal | 2.30 | 2.12 | 2.18 | 2.09 | 2.12 | 2.11 | 2.11 | 2.17 | 2.17 | 2.16 | 2.19 | 2.18 | 2.18 |
| Biofuels Heat and Coproducts | 0.21 | 0.24 | 0.32 | 0.35 | 0.45 | 0.61 | 0.69 | 0.71 | 0.72 | 0.73 | 0.73 | 0.74 | 0.74 |
| Renewable Energy 13/ | 2.21 | 1.97 | 2.10 | 2.13 | 2.13 | 2.13 | 2.14 | 2.16 | 2.18 | 2.20 | 2.21 | 2.24 | 2.26 |
| Electricity | 12.11 | 12.49 | 12.60 | 12.82 | 13.09 | 13.28 | 13.49 | 13.70 | 13.93 | 14.12 | 14.31 | 14.51 | 14.71 |
| Delivered Energy | 73.92 | 72.97 | 73.30 | 74.49 | 75.48 | 76.42 | 77.46 | 78.39 | 79.31 | 80.11 | 80.96 | 81.71 | 82.57 |
| Electricity Related Losses | 26.75 | 27.23 | 27.44 | 27.87 | 28.26 | 28.64 | 29.04 | 29.33 | 29.67 | 29.94 | 30.28 | 30.56 | 30.92 |
| Total | 100.67 | 100.19 | 100.75 | 102.35 | 103.73 | 105.07 | 106.50 | 107.72 | 108.97 | 110.05 | 111.24 | 112.28 | 113.50 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.15 | 0.19 | 0.20 | 0.21 | 0.21 | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 |
| Residual Fuel Oil | 0.99 | 0.96 | 0.57 | 0.65 | 0.65 | 0.65 | 0.67 | 0.68 | 0.71 | 0.75 | 0.77 | 0.74 | 0.74 |
| Liquid Fuels Subtotal | 1.14 | 1.16 | 0.77 | 0.85 | 0.87 | 0.88 | 0.90 | 0.92 | 0.95 | 1.00 | 1.01 | 0.97 | 0.98 |
| Natural Gas | 5.61 | 5.95 | 6.05 | 6.07 | 6.57 | 6.69 | 6.56 | 6.70 | 6.88 | 7.03 | 7.07 | 7.31 | 7.39 |
| Steam Coal | 20.30 | 20.75 | 20.96 | 21.16 | 21.21 | 21.55 | 22.13 | 22.39 | 22.61 | 22.84 | 23.27 | 23.45 | 23.76 |
| Nuclear Power | 8.22 | 8.13 | 8.20 | 8.28 | 8.25 | 8.21 | 8.23 | 8.25 | 8.38 | 8.40 | 8.43 | 8.47 | 8.61 |
| Renewable Energy 15/ | 3.55 | 3.64 | 3.97 | 4.26 | 4.40 | 4.57 | 4.67 | 4.73 | 4.73 | 4.75 | 4.78 | 4.83 | 4.86 |
| Electricity Imports | 0.04 | 0.08 | 0.09 | 0.06 | 0.05 | 0.02 | 0.04 | 0.03 | 0.04 | 0.05 | 0.04 | 0.03 | 0.03 |
| Total | 38.86 | 39.71 | 40.05 | 40.69 | 41.35 | 41.92 | 42.53 | 43.03 | 43.59 | 44.06 | 44.59 | 45.07 | 45.64 |

Table 10. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - United States

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Energy Consumption | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 2.93 | 2.77 | 2.85 | 2.96 | 2.98 | 2.95 | 2.93 | 2.93 | 2.94 | 2.94 | 2.94 | 2.95 | 2.96 |
| E85 8/ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Motor Gasoline 2/ | 17.38 | 17.37 | 17.55 | 17.47 | 17.51 | 17.60 | 17.74 | 17.94 | 18.17 | 18.40 | 18.67 | 18.94 | 19.22 |
| Jet Fuel 9/ | 3.38 | 3.37 | 3.41 | 3.53 | 3.66 | 3.83 | 4.04 | 4.13 | 4.19 | 4.25 | 4.30 | 4.34 | 4.39 |
| Kerosene | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| Distillate Fuel Oil | 8.69 | 8.84 | 9.05 | 9.11 | 9.17 | 9.28 | 9.40 | 9.56 | 9.72 | 9.86 | 9.97 | 10.08 | 10.21 |
| Residual Fuel Oil | 2.07 | 2.14 | 1.66 | 1.73 | 1.75 | 1.77 | 1.80 | 1.81 | 1.85 | 1.91 | 1.92 | 1.89 | 1.90 |
| Petrochemical Feedstocks | 1.54 | 1.38 | 1.32 | 1.42 | 1.47 | 1.47 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| Liquid Hydrogen | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Petroleum 12/ | 4.66 | 4.61 | 4.59 | 4.30 | 4.33 | 4.34 | 4.22 | 4.36 | 4.34 | 4.40 | 4.31 | 4.42 | 4.46 |
| Liquid Fuels Subtotal | 40.79 | 40.61 | 40.57 | 40.67 | 41.02 | 41.39 | 41.76 | 42.38 | 42.84 | 43.39 | 43.76 | 44.26 | 44.77 |
| Natural Gas | 21.33 | 20.96 | 20.68 | 21.62 | 22.34 | 22.71 | 22.97 | 23.14 | 23.53 | 23.77 | 24.05 | 24.27 | 24.48 |
| Natural-Gas-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lease and Plant Fuel 6/ | 1.13 | 1.10 | 1.12 | 1.10 | 1.11 | 1.11 | 1.10 | 1.09 | 1.09 | 1.08 | 1.10 | 1.10 | 1.11 |
| Pipeline Natural Gas | 0.59 | 0.58 | 0.57 | 0.63 | 0.65 | 0.66 | 0.66 | 0.67 | 0.68 | 0.68 | 0.69 | 0.70 | 0.70 |
| Natural Gas Subtotal | 23.05 | 22.63 | 22.37 | 23.35 | 24.10 | 24.47 | 24.73 | 24.90 | 25.30 | 25.54 | 25.84 | 26.07 | 26.28 |
| Metallurgical Coal | 0.65 | 0.62 | 0.66 | 0.62 | 0.62 | 0.61 | 0.60 | 0.60 | 0.60 | 0.59 | 0.59 | 0.59 | 0.58 |
| Other Coal | 21.81 | 22.21 | 22.42 | 22.61 | 22.69 | 23.03 | 23.61 | 23.87 | 24.08 | 24.30 | 24.73 | 24.91 | 25.21 |
| Coal-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.09 | 0.12 | 0.12 | 0.12 |
| Net Coal Coke Imports | 0.14 | 0.04 | 0.06 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Coal Subtotal | 22.60 | 22.87 | 23.14 | 23.25 | 23.33 | 23.66 | 24.24 | 24.56 | 24.78 | 25.00 | 25.46 | 25.64 | 25.93 |
| Nuclear Power | 8.22 | 8.13 | 8.20 | 8.28 | 8.25 | 8.21 | 8.23 | 8.25 | 8.38 | 8.40 | 8.43 | 8.47 | 8.61 |
| Biofuels Heat and Coproducts | 0.21 | 0.24 | 0.32 | 0.35 | 0.45 | 0.61 | 0.69 | 0.71 | 0.72 | 0.73 | 0.73 | 0.74 | 0.74 |
| Renewable Energy 16/ | 5.76 | 5.61 | 6.06 | 6.39 | 6.53 | 6.70 | 6.81 | 6.89 | 6.91 | 6.94 | 6.99 | 7.07 | 7.12 |
| Electricity Imports | 0.04 | 0.08 | 0.09 | 0.06 | 0.05 | 0.02 | 0.04 | 0.03 | 0.04 | 0.05 | 0.04 | 0.03 | 0.03 |
| Total | 100.67 | 100.19 | 100.75 | 102.35 | 103.73 | 105.07 | 106.50 | 107.72 | 108.97 | 110.05 | 111.24 | 112.28 | 113.50 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 73.92 | 72.97 | 73.30 | 74.49 | 75.48 | 76.42 | 77.46 | 78.39 | 79.31 | 80.11 | 80.96 | 81.71 | 82.57 |
| Total Energy Use | 100.67 | 100.19 | 100.75 | 102.35 | 103.73 | 105.07 | 106.50 | 107.72 | 108.97 | 110.05 | 111.24 | 112.28 | 113.50 |
| Population (millions) | 294.23 | 296.94 | 299.63 | 302.29 | 304.93 | 307.60 | 310.26 | 312.93 | 315.61 | 318.30 | 321.00 | 323.70 | 326.39 |
| Carbon Dioxide Emissions (million metric tons) | 5923.1 | 5945.3 | 5939.8 | 5999.3 | 6059.3 | 6124.5 | 6214.0 | 6295.6 | 6369.2 | 6441.6 | 6526.7 | 6588.9 | 6661.9 |

Table 10. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - United States

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.56 | 0.57 | 0.57 | 0.58 | 0.58 | 0.58 | 0.59 | 0.59 | 0.60 | 0.60 | 0.61 | 0.61 | 0.61 | 0.62 | 0.8% |
| Kerosene | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | -0.3% |
| Distillate Fuel Oil | 0.88 | 0.87 | 0.86 | 0.85 | 0.84 | 0.83 | 0.82 | 0.81 | 0.80 | 0.79 | 0.78 | 0.78 | 0.77 | 0.76 | -0.8% |
| Liquid Fuels Subtotal | 1.54 | 1.53 | 1.53 | 1.53 | 1.52 | 1.51 | 1.50 | 1.50 | 1.49 | 1.49 | 1.48 | 1.48 | 1.47 | 1.46 | -0.2% |
| Natural Gas | 5.37 | 5.38 | 5.40 | 5.43 | 5.43 | 5.44 | 5.44 | 5.46 | 5.45 | 5.46 | 5.47 | 5.48 | 5.47 | 5.47 | 0.4% |
| Coal | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | -1.2% |
| Renewable Energy 1/ Electricity | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | -0.2% |
| Delivered Energy | 5.57 | 5.64 | 5.71 | 5.80 | 5.85 | 5.92 | 5.99 | 6.08 | 6.13 | 6.20 | 6.27 | 6.36 | 6.41 | 6.47 | 1.3% |
| Electricity Related Losses | 12.89 | 12.97 | 13.06 | 13.17 | 13.21 | 13.28 | 13.34 | 13.44 | 13.48 | 13.55 | 13.62 | 13.72 | 13.74 | 13.80 | 0.7% |
| Total | 11.70 | 11.83 | 11.94 | 12.08 | 12.15 | 12.25 | 12.36 | 12.47 | 12.50 | 12.57 | 12.67 | 12.78 | 12.83 | 12.89 | 1.0% |
| Total | 24.59 | 24.79 | 25.00 | 25.26 | 25.36 | 25.53 | 25.70 | 25.91 | 25.98 | 26.13 | 26.29 | 26.50 | 26.57 | 26.70 | 0.8% |
| Commercial | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.4% |
| Motor Gasoline 2/ Kerosene | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.6% |
| Distillate Fuel Oil | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.4% |
| Residual Fuel Oil | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.1% |
| Liquid Fuels Subtotal | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.2% |
| Natural Gas | 0.79 | 0.80 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.2% |
| Coal | 3.72 | 3.76 | 3.81 | 3.86 | 3.91 | 3.96 | 4.00 | 4.05 | 4.10 | 4.15 | 4.21 | 4.26 | 4.31 | 4.36 | 1.3% |
| Renewable Energy 3/ Electricity | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | -0.1% |
| Delivered Energy | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.0% |
| Electricity Related Losses | 5.48 | 5.57 | 5.67 | 5.78 | 5.89 | 6.00 | 6.12 | 6.24 | 6.36 | 6.49 | 6.62 | 6.76 | 6.89 | 7.03 | 2.0% |
| Total | 10.21 | 10.35 | 10.50 | 10.66 | 10.82 | 10.98 | 11.14 | 11.30 | 11.48 | 11.67 | 11.86 | 12.04 | 12.24 | 12.43 | 1.6% |
| Total | 11.51 | 11.69 | 11.86 | 12.03 | 12.22 | 12.41 | 12.62 | 12.80 | 12.97 | 13.15 | 13.37 | 13.59 | 13.81 | 14.01 | 1.6% |
| Total | 21.72 | 22.04 | 22.36 | 22.69 | 23.04 | 23.39 | 23.76 | 24.10 | 24.45 | 24.82 | 25.23 | 25.63 | 26.04 | 26.44 | 1.6% |
| Industrial 4/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 2.24 | 2.24 | 2.25 | 2.26 | 2.26 | 2.27 | 2.28 | 2.29 | 2.31 | 2.31 | 2.33 | 2.35 | 2.38 | 2.40 | 0.5% |
| Motor Gasoline 2/ Distillate Fuel Oil | 0.33 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.4% |
| Residual Fuel Oil | 1.20 | 1.21 | 1.21 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.24 | 1.25 | 1.25 | 1.25 | 1.26 | 0.1% |
| Petrochemical Feedstocks | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | -0.9% |
| Other Petroleum 5/ Liquid Fuels Subtotal | 1.49 | 1.48 | 1.49 | 1.50 | 1.50 | 1.51 | 1.51 | 1.52 | 1.52 | 1.53 | 1.54 | 1.55 | 1.56 | 1.57 | 0.5% |
| Natural Gas | 4.21 | 4.30 | 4.38 | 4.34 | 4.45 | 4.54 | 4.53 | 4.56 | 4.48 | 4.65 | 4.70 | 4.61 | 4.62 | 4.78 | 0.3% |
| Natural-Gas-to-Liquids Heat and Power | 9.65 | 9.74 | 9.83 | 9.82 | 9.94 | 10.05 | 10.07 | 10.12 | 10.07 | 10.26 | 10.34 | 10.29 | 10.35 | 10.55 | 0.3% |
| Lease and Plant Fuel 6/ Natural Gas Subtotal | 8.07 | 8.03 | 8.06 | 8.26 | 8.26 | 8.27 | 8.36 | 8.43 | 8.68 | 8.59 | 8.67 | 8.89 | 8.99 | 8.90 | 1.1% |
| Metallurgical Coal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| Other Industrial Coal | 1.11 | 1.15 | 1.20 | 1.21 | 1.21 | 1.21 | 1.20 | 1.19 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 | 0.2% |
| Coal-to-Liquids Heat and Power | 9.18 | 9.18 | 9.26 | 9.46 | 9.47 | 9.48 | 9.56 | 9.62 | 9.85 | 9.75 | 9.83 | 10.04 | 10.14 | 10.05 | 0.9% |
| Net Coal Coke Imports | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | -0.3% |
| Coal Subtotal | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.36 | 1.36 | 1.36 | 1.36 | 0.0% |
| Biofuels Heat and Coproducts | 0.14 | 0.17 | 0.19 | 0.21 | 0.23 | 0.33 | 0.35 | 0.48 | 0.67 | 0.81 | 0.81 | 0.88 | 0.90 | 0.93 | N/A |
| Renewable Energy 7/ Electricity | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | -3.4% |
| Delivered Energy | 2.08 | 2.10 | 2.11 | 2.14 | 2.16 | 2.27 | 2.28 | 2.41 | 2.61 | 2.75 | 2.75 | 2.83 | 2.85 | 2.89 | 1.5% |
| Electricity Related Losses | 0.75 | 0.76 | 0.77 | 0.78 | 0.79 | 0.80 | 0.81 | 0.82 | 0.83 | 0.84 | 0.85 | 0.86 | 0.87 | 0.88 | 5.2% |
| Total | 1.76 | 1.77 | 1.79 | 1.81 | 1.83 | 1.86 | 1.87 | 1.90 | 1.93 | 1.95 | 1.98 | 2.00 | 2.02 | 2.05 | 1.4% |
| Total | 3.79 | 3.79 | 3.82 | 3.83 | 3.85 | 3.87 | 3.89 | 3.91 | 3.94 | 3.97 | 4.01 | 4.04 | 4.06 | 4.09 | 0.6% |
| Total | 27.20 | 27.33 | 27.58 | 27.84 | 28.04 | 28.33 | 28.48 | 28.78 | 29.23 | 29.52 | 29.75 | 30.05 | 30.29 | 30.51 | 0.8% |
| Total | 7.97 | 7.96 | 7.98 | 7.98 | 7.99 | 8.01 | 8.01 | 8.02 | 8.03 | 8.05 | 8.09 | 8.11 | 8.13 | 8.15 | 0.3% |
| Total | 35.17 | 35.29 | 35.56 | 35.82 | 36.03 | 36.34 | 36.50 | 36.80 | 37.26 | 37.57 | 37.84 | 38.17 | 38.42 | 38.66 | 0.7% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 2.8% |

Table 10. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - United States

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| E85 8/ | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 11.8% |
| Motor Gasoline 2/ | 19.12 | 19.40 | 19.66 | 19.95 | 20.24 | 20.51 | 20.81 | 21.09 | 21.38 | 21.69 | 22.00 | 22.29 | 22.60 | 22.89 | 1.2% |
| Jet Fuel 9/ | 4.44 | 4.48 | 4.53 | 4.54 | 4.55 | 4.56 | 4.57 | 4.58 | 4.59 | 4.60 | 4.62 | 4.64 | 4.67 | 4.70 | 1.3% |
| Distillate Fuel Oil 10/ | 7.49 | 7.57 | 7.68 | 7.81 | 7.95 | 8.09 | 8.24 | 8.40 | 8.59 | 8.79 | 8.98 | 9.18 | 9.38 | 9.58 | 1.9% |
| Residual Fuel Oil | 0.84 | 0.84 | 0.84 | 0.85 | 0.85 | 0.85 | 0.85 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | 0.87 | 0.3% |
| Liquid Hydrogen | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.1% |
| Other Petroleum 11/ | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.2% |
| Liquid Fuels Subtotal | 32.14 | 32.55 | 32.98 | 33.41 | 33.85 | 34.28 | 34.74 | 35.20 | 35.69 | 36.22 | 36.75 | 37.27 | 37.80 | 38.34 | 1.3% |
| Pipeline Fuel Natural Gas | 0.70 | 0.74 | 0.78 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 1.3% |
| Compressed Natural Gas | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 5.5% |
| Electricity | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 1.8% |
| Delivered Energy | 32.95 | 33.41 | 33.88 | 34.33 | 34.78 | 35.22 | 35.68 | 36.14 | 36.63 | 37.16 | 37.69 | 38.22 | 38.75 | 39.29 | 1.4% |
| Electricity Related Losses | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 1.5% |
| Total | 33.02 | 33.48 | 33.95 | 34.40 | 34.85 | 35.29 | 35.75 | 36.22 | 36.71 | 37.23 | 37.77 | 38.29 | 38.83 | 39.37 | 1.4% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 2.96 | 2.96 | 2.97 | 2.99 | 3.00 | 3.02 | 3.04 | 3.05 | 3.07 | 3.08 | 3.10 | 3.13 | 3.17 | 3.19 | 0.6% |
| E85 8/ | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 11.8% |
| Motor Gasoline 2/ | 19.50 | 19.78 | 20.05 | 20.34 | 20.63 | 20.90 | 21.20 | 21.49 | 21.78 | 22.09 | 22.40 | 22.70 | 23.00 | 23.30 | 1.2% |
| Jet Fuel 9/ | 4.44 | 4.48 | 4.53 | 4.54 | 4.55 | 4.56 | 4.57 | 4.58 | 4.59 | 4.60 | 4.62 | 4.64 | 4.67 | 4.70 | 1.3% |
| Kerosene | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | -0.2% |
| Distillate Fuel Oil | 10.05 | 10.13 | 10.23 | 10.36 | 10.48 | 10.62 | 10.77 | 10.92 | 11.11 | 11.31 | 11.50 | 11.70 | 11.88 | 12.09 | 1.3% |
| Residual Fuel Oil | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.17 | 1.17 | 1.18 | 1.18 | 1.18 | 1.18 | 1.19 | 1.19 | 0.1% |
| Petrochemical Feedstocks | 1.49 | 1.48 | 1.49 | 1.50 | 1.50 | 1.51 | 1.51 | 1.52 | 1.52 | 1.53 | 1.54 | 1.55 | 1.56 | 1.57 | 0.5% |
| Liquid Hydrogen | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.1% |
| Other Petroleum 12/ | 4.38 | 4.47 | 4.55 | 4.51 | 4.61 | 4.71 | 4.70 | 4.73 | 4.65 | 4.82 | 4.87 | 4.78 | 4.79 | 4.96 | 0.3% |
| Liquid Fuels Subtotal | 44.12 | 44.61 | 45.13 | 45.55 | 46.10 | 46.64 | 47.11 | 47.62 | 48.06 | 48.77 | 49.37 | 49.84 | 50.43 | 51.17 | 1.0% |
| Natural Gas | 17.24 | 17.26 | 17.37 | 17.65 | 17.70 | 17.77 | 17.91 | 18.04 | 18.33 | 18.31 | 18.45 | 18.74 | 18.88 | 18.86 | 0.9% |
| Natural-Gas-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| Lease and Plant Fuel 6/ | 1.11 | 1.15 | 1.20 | 1.21 | 1.21 | 1.21 | 1.20 | 1.19 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 | 0.2% |
| Pipeline Natural Gas | 0.70 | 0.74 | 0.78 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 1.3% |
| Natural Gas Subtotal | 19.05 | 19.15 | 19.35 | 19.64 | 19.71 | 19.78 | 19.91 | 20.03 | 20.30 | 20.26 | 20.41 | 20.69 | 20.83 | 20.80 | 0.9% |
| Metallurgical Coal | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | -0.3% |
| Other Coal | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.47 | 1.47 | 0.0% |
| Coal-to-Liquids Heat and Power | 0.14 | 0.17 | 0.19 | 0.21 | 0.23 | 0.33 | 0.35 | 0.48 | 0.67 | 0.81 | 0.81 | 0.88 | 0.90 | 0.93 | N/A |
| Net Coal Coke Imports | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | -3.4% |
| Coal Subtotal | 2.18 | 2.20 | 2.22 | 2.24 | 2.26 | 2.37 | 2.39 | 2.52 | 2.71 | 2.86 | 2.86 | 2.94 | 2.96 | 2.99 | 1.4% |
| Biofuels Heat and Coproducts | 0.75 | 0.76 | 0.77 | 0.78 | 0.79 | 0.80 | 0.81 | 0.82 | 0.83 | 0.84 | 0.85 | 0.86 | 0.87 | 0.88 | 5.2% |
| Renewable Energy 13/ | 2.28 | 2.29 | 2.31 | 2.34 | 2.36 | 2.38 | 2.39 | 2.42 | 2.44 | 2.47 | 2.49 | 2.51 | 2.54 | 2.56 | 1.1% |
| Electricity | 14.87 | 15.04 | 15.24 | 15.45 | 15.63 | 15.83 | 16.03 | 16.26 | 16.47 | 16.70 | 16.94 | 17.19 | 17.40 | 17.63 | 1.4% |
| Delivered Energy | 83.26 | 84.06 | 85.02 | 86.00 | 86.85 | 87.80 | 88.65 | 89.66 | 90.82 | 91.90 | 92.92 | 94.03 | 95.02 | 96.03 | 1.1% |
| Electricity Related Losses | 31.25 | 31.54 | 31.85 | 32.17 | 32.43 | 32.74 | 33.06 | 33.36 | 33.57 | 33.85 | 34.21 | 34.56 | 34.85 | 35.13 | 1.0% |
| Total | 114.50 | 115.60 | 116.87 | 118.16 | 119.27 | 120.54 | 121.71 | 123.03 | 124.39 | 125.74 | 127.13 | 128.59 | 129.87 | 131.16 | 1.1% |
| Electric Power 14/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 0.25 | 0.25 | 0.25 | 0.25 | 0.26 | 0.26 | 0.27 | 0.27 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 1.5% |
| Residual Fuel Oil | 0.73 | 0.72 | 0.71 | 0.72 | 0.71 | 0.71 | 0.71 | 0.72 | 0.71 | 0.71 | 0.72 | 0.73 | 0.72 | 0.72 | -1.1% |
| Liquid Fuels Subtotal | 0.98 | 0.97 | 0.96 | 0.97 | 0.96 | 0.97 | 0.98 | 0.99 | 0.99 | 0.99 | 1.00 | 1.02 | 1.01 | 1.01 | -0.6% |
| Natural Gas | 7.30 | 7.34 | 7.36 | 7.40 | 7.31 | 7.20 | 7.04 | 6.91 | 6.78 | 6.65 | 6.53 | 6.36 | 6.18 | 6.09 | 0.1% |
| Steam Coal | 24.04 | 24.26 | 24.59 | 25.05 | 25.58 | 26.15 | 26.79 | 27.36 | 27.90 | 28.52 | 29.15 | 29.79 | 30.44 | 31.14 | 1.6% |
| Nuclear Power | 8.82 | 9.03 | 9.18 | 9.23 | 9.23 | 9.23 | 9.23 | 9.23 | 9.23 | 9.23 | 9.29 | 9.37 | 9.44 | 9.33 | 0.6% |
| Renewable Energy 15/ | 4.93 | 4.94 | 4.95 | 4.93 | 4.93 | 4.97 | 5.02 | 5.07 | 5.09 | 5.11 | 5.14 | 5.17 | 5.14 | 5.15 | 1.4% |
| Electricity Imports | 0.04 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | -2.6% |
| Total | 46.12 | 46.58 | 47.09 | 47.62 | 48.05 | 48.57 | 49.10 | 49.62 | 50.04 | 50.55 | 51.15 | 51.75 | 52.24 | 52.77 | 1.1% |

Table 10. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - United States

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| Total Energy Consumption | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 2.96 | 2.96 | 2.97 | 2.99 | 3.00 | 3.02 | 3.04 | 3.05 | 3.07 | 3.08 | 3.10 | 3.13 | 3.17 | 3.19 | 0.6% |
| E85 8/ | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 11.8% |
| Motor Gasoline 2/ | 19.50 | 19.78 | 20.05 | 20.34 | 20.63 | 20.90 | 21.20 | 21.49 | 21.78 | 22.09 | 22.40 | 22.70 | 23.00 | 23.30 | 1.2% |
| Jet Fuel 9/ | 4.44 | 4.48 | 4.53 | 4.54 | 4.55 | 4.56 | 4.57 | 4.58 | 4.59 | 4.60 | 4.62 | 4.64 | 4.67 | 4.70 | 1.3% |
| Kerosene | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | -0.2% |
| Distillate Fuel Oil | 10.29 | 10.37 | 10.48 | 10.61 | 10.74 | 10.88 | 11.03 | 11.20 | 11.38 | 11.58 | 11.78 | 11.98 | 12.17 | 12.37 | 1.4% |
| Residual Fuel Oil | 1.89 | 1.88 | 1.87 | 1.88 | 1.87 | 1.87 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.92 | 1.91 | 1.91 | -0.4% |
| Petrochemical Feedstocks | 1.49 | 1.48 | 1.49 | 1.50 | 1.50 | 1.51 | 1.51 | 1.52 | 1.52 | 1.53 | 1.54 | 1.55 | 1.56 | 1.57 | 0.5% |
| Liquid Hydrogen | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.1% |
| Other Petroleum 12/ | 4.38 | 4.47 | 4.55 | 4.51 | 4.61 | 4.71 | 4.70 | 4.73 | 4.65 | 4.82 | 4.87 | 4.78 | 4.79 | 4.96 | 0.3% |
| Liquid Fuels Subtotal | 45.10 | 45.58 | 46.09 | 46.52 | 47.07 | 47.61 | 48.09 | 48.61 | 49.05 | 49.76 | 50.37 | 50.86 | 51.44 | 52.17 | 1.0% |
| Natural Gas | 24.54 | 24.60 | 24.73 | 25.05 | 25.01 | 24.97 | 24.95 | 24.95 | 25.11 | 24.96 | 24.98 | 25.10 | 25.06 | 24.95 | 0.7% |
| Natural-Gas-to-Liquids Heat and Power | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| Lease and Plant Fuel 6/ | 1.11 | 1.15 | 1.20 | 1.21 | 1.21 | 1.21 | 1.20 | 1.19 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 | 0.2% |
| Pipeline Natural Gas | 0.70 | 0.74 | 0.78 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 1.3% |
| Natural Gas Subtotal | 26.36 | 26.49 | 26.70 | 27.04 | 27.02 | 26.98 | 26.94 | 26.94 | 27.08 | 26.92 | 26.93 | 27.05 | 27.00 | 26.89 | 0.7% |
| Metallurgical Coal | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | -0.3% |
| Other Coal | 25.50 | 25.71 | 26.04 | 26.50 | 27.03 | 27.61 | 28.24 | 28.82 | 29.36 | 29.98 | 30.61 | 31.26 | 31.91 | 32.61 | 1.5% |
| Coal-to-Liquids Heat and Power | 0.14 | 0.17 | 0.19 | 0.21 | 0.23 | 0.33 | 0.35 | 0.48 | 0.67 | 0.81 | 0.81 | 0.88 | 0.90 | 0.93 | N/A |
| Net Coal Coke Imports | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | -3.4% |
| Coal Subtotal | 26.23 | 26.46 | 26.81 | 27.29 | 27.84 | 28.53 | 29.18 | 29.88 | 30.62 | 31.37 | 32.01 | 32.73 | 33.40 | 34.14 | 1.6% |
| Nuclear Power | 8.82 | 9.03 | 9.18 | 9.23 | 9.23 | 9.23 | 9.23 | 9.23 | 9.23 | 9.23 | 9.29 | 9.37 | 9.44 | 9.33 | 0.6% |
| Biofuels Heat and Coproducts | 0.75 | 0.76 | 0.77 | 0.78 | 0.79 | 0.80 | 0.81 | 0.82 | 0.83 | 0.84 | 0.85 | 0.86 | 0.87 | 0.88 | 5.2% |
| Renewable Energy 16/ | 7.21 | 7.24 | 7.26 | 7.27 | 7.28 | 7.35 | 7.41 | 7.49 | 7.54 | 7.58 | 7.63 | 7.68 | 7.67 | 7.71 | 1.3% |
| Electricity Imports | 0.04 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | -2.6% |
| Total | 114.50 | 115.60 | 116.87 | 118.16 | 119.28 | 120.54 | 121.71 | 123.03 | 124.39 | 125.74 | 127.13 | 128.59 | 129.87 | 131.16 | 1.1% |
| Energy Use & Related Statistics | | | | | | | | | | | | | | | |
| Delivered Energy Use | 83.26 | 84.06 | 85.02 | 86.00 | 86.85 | 87.80 | 88.65 | 89.66 | 90.82 | 91.90 | 92.92 | 94.03 | 95.02 | 96.03 | 1.1% |
| Total Energy Use | 114.50 | 115.60 | 116.87 | 118.16 | 119.28 | 120.54 | 121.71 | 123.03 | 124.39 | 125.74 | 127.13 | 128.59 | 129.87 | 131.16 | 1.1% |
| Population (millions) | 329.09 | 331.77 | 334.46 | 337.13 | 339.82 | 342.53 | 345.26 | 348.01 | 350.78 | 353.57 | 356.38 | 359.21 | 362.07 | 364.94 | 0.8% |
| Carbon Dioxide Emissions (million metric tons) | 6715.9 | 6777.2 | 6853.9 | 6944.5 | 7030.3 | 7128.1 | 7220.2 | 7320.1 | 7424.6 | 7533.0 | 7633.8 | 7741.0 | 7839.7 | 7950.2 | 1.2% |

Table 10. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted) - United States

- 1/ Includes wood used for residential heating.
- 2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
- 3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power.
- 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, tire-derived fuel, and miscellaneous petroleum products.
- 6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
- 7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources.
- 8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 9/ Includes only kerosene type.
- 10/ Diesel fuel for on- and off- road use.
- 11/ Includes aviation gasoline and lubricants.
- 12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, and miscellaneous petroleum products.
- 13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- 14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
- 15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
- 16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
- Btu = British thermal unit.
N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.
- Sources: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, December 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 11. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted) - New England - 01

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 21.36 | 23.15 | 24.77 | 28.67 | 28.51 | 27.86 | 27.54 | 27.14 | 26.97 | 26.67 | 26.70 | 26.62 | 26.67 |
| Distillate Fuel Oil | 12.66 | 14.57 | 16.69 | 17.37 | 16.85 | 15.75 | 14.81 | 13.98 | 13.33 | 12.56 | 12.50 | 12.58 | 12.62 |
| Natural Gas | 14.14 | 15.11 | 15.98 | 14.41 | 14.30 | 13.72 | 13.44 | 13.07 | 12.91 | 12.66 | 12.71 | 12.66 | 12.72 |
| Electricity | 36.06 | 39.38 | 38.68 | 35.24 | 34.55 | 34.50 | 34.48 | 34.04 | 33.69 | 34.13 | 33.63 | 34.17 | 34.01 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.52 | 12.81 | 14.88 | 15.55 | 14.70 | 13.69 | 12.96 | 12.26 | 11.65 | 11.09 | 10.95 | 11.03 | 11.17 |
| Residual Fuel Oil | 5.84 | 7.85 | 9.43 | 9.08 | 8.87 | 8.82 | 8.74 | 8.26 | 8.14 | 7.13 | 7.50 | 7.70 | 7.65 |
| Natural Gas | 12.01 | 13.32 | 13.37 | 12.05 | 11.89 | 11.27 | 10.96 | 10.56 | 10.37 | 10.07 | 10.07 | 9.99 | 10.02 |
| Electricity | 32.14 | 35.00 | 35.57 | 31.74 | 30.80 | 29.93 | 29.22 | 27.97 | 27.43 | 27.68 | 27.35 | 28.09 | 27.93 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 16.14 | 16.77 | 17.60 | 23.51 | 23.35 | 22.70 | 22.38 | 21.99 | 21.81 | 21.52 | 21.54 | 21.46 | 21.51 |
| Distillate Fuel Oil | 10.50 | 12.83 | 15.02 | 15.17 | 14.25 | 13.38 | 12.86 | 12.42 | 11.84 | 11.42 | 11.23 | 11.31 | 11.52 |
| Residual Fuel Oil | 5.79 | 7.79 | 9.36 | 9.08 | 8.87 | 8.82 | 8.74 | 8.26 | 8.14 | 7.13 | 7.50 | 7.70 | 7.65 |
| Natural Gas 2/ | 9.16 | 10.47 | 9.47 | 9.14 | 8.99 | 8.36 | 8.05 | 7.67 | 7.50 | 7.22 | 7.24 | 7.17 | 7.22 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 3.03 | 3.71 | 3.73 | 3.74 | 3.71 | 3.71 | 3.67 | 3.63 | 3.55 | 3.51 | 3.50 | 3.51 | 3.50 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 24.90 | 26.68 | 31.75 | 29.72 | 29.06 | 27.26 | 25.49 | 23.42 | 22.12 | 22.01 | 21.36 | 21.91 | 21.76 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 18.36 | 22.35 | 30.45 | 22.77 | 22.65 | 22.04 | 24.06 | 23.66 | 23.48 | 23.18 | 23.19 | 23.12 | 23.16 |
| Motor Gasoline 5/ | 20.91 | 23.10 | 24.81 | 28.71 | 26.94 | 24.73 | 21.64 | 20.89 | 20.69 | 20.56 | 20.36 | 20.45 | 20.55 |
| Jet Fuel 6/ | 16.09 | 19.24 | 21.79 | 21.59 | 19.98 | 18.78 | 17.98 | 17.35 | 16.98 | 16.67 | 16.16 | 16.17 | 16.24 |
| Jet Fuel 6/ | 9.36 | 12.37 | 15.43 | 13.44 | 12.23 | 11.49 | 11.07 | 10.61 | 10.32 | 10.26 | 10.09 | 10.12 | 10.27 |
| Distillate Fuel Oil 7/ | 14.32 | 18.56 | 20.99 | 20.43 | 19.04 | 18.02 | 17.46 | 16.70 | 16.11 | 15.72 | 15.49 | 15.54 | 15.76 |
| Residual Fuel Oil | 4.47 | 5.05 | 6.36 | 5.45 | 5.42 | 5.20 | 4.73 | 4.36 | 4.27 | 4.04 | 3.94 | 4.04 | 4.11 |
| Natural Gas 8/ | 12.45 | 15.44 | 12.36 | 12.44 | 12.23 | 12.36 | 14.20 | 13.78 | 13.57 | 13.28 | 13.20 | 13.13 | 13.15 |
| Electricity | 32.37 | 29.68 | 33.17 | 30.53 | 30.00 | 29.56 | 29.25 | 28.45 | 27.82 | 28.02 | 27.41 | 27.90 | 27.68 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.24 | 11.29 | 13.21 | 12.79 | 12.26 | 11.16 | 10.22 | 9.39 | 8.74 | 7.97 | 7.91 | 7.99 | 8.03 |
| Residual Fuel Oil | 4.85 | 6.74 | 7.56 | 5.48 | 5.38 | 5.25 | 4.98 | 4.59 | 4.50 | 3.96 | 4.07 | 4.20 | 4.22 |
| Natural Gas | 6.80 | 9.35 | 7.64 | 7.52 | 7.40 | 6.79 | 6.47 | 6.11 | 5.95 | 5.66 | 5.69 | 5.62 | 5.68 |
| Steam Coal | 2.48 | 2.79 | 2.91 | 2.97 | 3.02 | 3.00 | 3.00 | 2.93 | 2.89 | 2.81 | 2.76 | 2.72 | 2.68 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 19.76 | 21.39 | 23.14 | 26.94 | 26.84 | 26.18 | 26.03 | 25.64 | 25.47 | 25.18 | 25.20 | 25.13 | 25.20 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 28.71 | 26.94 | 24.73 | 21.64 | 20.89 | 20.69 | 20.56 | 20.36 | 20.45 | 20.55 |
| Motor Gasoline 5/ | 16.08 | 19.18 | 21.73 | 21.59 | 19.98 | 18.78 | 17.98 | 17.35 | 16.98 | 16.67 | 16.16 | 16.17 | 16.24 |
| Jet Fuel | 9.36 | 12.37 | 15.43 | 13.44 | 12.23 | 11.49 | 11.07 | 10.61 | 10.32 | 10.26 | 10.09 | 10.12 | 10.27 |
| Distillate Fuel Oil | 12.61 | 15.14 | 17.41 | 17.70 | 16.92 | 15.89 | 15.09 | 14.32 | 13.72 | 13.15 | 13.03 | 13.12 | 13.25 |
| Residual Fuel Oil | 5.15 | 7.06 | 8.48 | 7.07 | 6.91 | 6.82 | 6.53 | 6.06 | 6.03 | 5.02 | 5.18 | 5.46 | 5.59 |
| Natural Gas | 9.80 | 11.59 | 10.62 | 10.00 | 9.81 | 9.14 | 8.87 | 8.51 | 8.35 | 8.07 | 8.10 | 8.05 | 8.08 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Coal | 2.49 | 2.80 | 2.92 | 2.99 | 3.03 | 3.01 | 3.01 | 2.94 | 2.90 | 2.83 | 2.77 | 2.74 | 2.70 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 32.20 | 35.05 | 36.07 | 32.73 | 31.96 | 31.26 | 30.64 | 29.55 | 28.96 | 29.21 | 28.76 | 29.40 | 29.24 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 13.77 | 15.34 | 15.94 | 15.90 | 15.67 | 15.24 | 14.98 | 14.63 | 14.44 | 14.24 | 14.19 | 14.34 | 14.40 |

Table 11. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted) - New England - 01

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Commercial | 8.95 | 9.76 | 10.09 | 9.30 | 9.17 | 9.00 | 8.87 | 8.67 | 8.64 | 8.73 | 8.78 | 9.06 | 9.17 |
| Industrial | 4.38 | 4.72 | 5.07 | 5.19 | 4.99 | 4.68 | 4.46 | 4.20 | 4.04 | 3.94 | 3.89 | 3.93 | 3.92 |
| Transportation | 16.14 | 19.65 | 22.63 | 22.54 | 21.23 | 20.36 | 19.90 | 19.48 | 19.33 | 19.28 | 19.03 | 19.33 | 19.72 |
| Total Non-Renewable Expenditures | 43.25 | 49.47 | 53.73 | 52.93 | 51.07 | 49.28 | 48.21 | 46.98 | 46.44 | 46.18 | 45.90 | 46.66 | 47.21 |
| Transportation Renewable Expenditures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Expenditures | 43.25 | 49.47 | 53.74 | 52.94 | 51.07 | 49.28 | 48.22 | 46.98 | 46.45 | 46.19 | 45.90 | 46.66 | 47.22 |

Table 11. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted) - New England - 01

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 26.90 | 26.82 | 26.75 | 26.85 | 26.74 | 26.87 | 27.00 | 27.04 | 27.04 | 27.07 | 27.17 | 27.31 | 27.40 | 27.43 | 0.7% |
| Distillate Fuel Oil | 12.71 | 12.80 | 13.02 | 13.11 | 13.23 | 13.38 | 13.32 | 13.47 | 13.51 | 13.58 | 13.76 | 13.85 | 14.01 | 14.08 | -0.1% |
| Natural Gas | 12.99 | 12.93 | 12.89 | 13.00 | 12.92 | 13.08 | 13.23 | 13.29 | 13.33 | 13.40 | 13.52 | 13.68 | 13.80 | 13.87 | -0.3% |
| Electricity | 33.92 | 34.28 | 34.24 | 34.20 | 34.46 | 34.31 | 34.50 | 34.58 | 34.71 | 34.74 | 34.78 | 35.28 | 35.43 | 35.26 | -0.4% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 11.21 | 11.30 | 11.56 | 11.65 | 11.76 | 11.98 | 11.79 | 11.97 | 12.13 | 12.14 | 12.34 | 12.54 | 12.62 | 12.75 | 0.0% |
| Residual Fuel Oil | 7.79 | 7.92 | 8.22 | 8.30 | 8.47 | 8.64 | 8.46 | 8.60 | 8.37 | 8.50 | 8.60 | 8.67 | 8.40 | 8.47 | 0.3% |
| Natural Gas | 10.23 | 10.13 | 10.05 | 10.13 | 10.01 | 10.12 | 10.24 | 10.26 | 10.26 | 10.28 | 10.36 | 10.49 | 10.56 | 10.58 | -0.9% |
| Electricity | 27.87 | 28.31 | 28.18 | 28.16 | 28.34 | 28.09 | 28.34 | 28.24 | 28.31 | 28.27 | 28.23 | 29.08 | 28.95 | 28.39 | -0.8% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 21.74 | 21.66 | 21.59 | 21.69 | 21.58 | 21.71 | 21.84 | 21.88 | 21.88 | 21.91 | 22.01 | 22.15 | 22.24 | 22.27 | 1.1% |
| Distillate Fuel Oil | 11.52 | 11.62 | 11.90 | 11.98 | 12.10 | 12.37 | 12.09 | 12.28 | 12.53 | 12.50 | 12.72 | 13.00 | 13.02 | 13.18 | 0.1% |
| Residual Fuel Oil | 7.79 | 7.92 | 8.22 | 8.30 | 8.47 | 8.64 | 8.46 | 8.60 | 8.37 | 8.50 | 8.60 | 8.67 | 8.40 | 8.47 | 0.3% |
| Natural Gas 2/ | 7.44 | 7.36 | 7.29 | 7.39 | 7.28 | 7.40 | 7.53 | 7.57 | 7.57 | 7.61 | 7.69 | 7.83 | 7.91 | 7.95 | -1.1% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 3.47 | 3.39 | 3.35 | 3.34 | 3.33 | 3.36 | 3.37 | 3.37 | 3.36 | 3.35 | 3.35 | 3.36 | 3.37 | 3.38 | -0.4% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 21.75 | 22.11 | 22.03 | 22.00 | 22.21 | 22.04 | 22.28 | 22.36 | 22.48 | 22.51 | 22.52 | 23.13 | 23.26 | 22.95 | -0.6% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 23.38 | 23.30 | 23.23 | 23.32 | 23.21 | 23.33 | 23.46 | 23.49 | 23.50 | 23.52 | 23.61 | 23.75 | 23.83 | 23.86 | 0.3% |
| Motor Gasoline 5/ | 20.81 | 20.78 | 21.02 | 21.01 | 21.02 | 21.46 | 21.36 | 21.37 | 21.62 | 21.47 | 21.71 | 21.80 | 21.80 | 21.86 | -0.2% |
| Jet Fuel 6/ | 16.36 | 16.44 | 16.81 | 16.77 | 16.90 | 17.18 | 17.03 | 17.24 | 17.41 | 17.24 | 17.41 | 17.62 | 17.64 | 17.82 | -0.3% |
| Distillate Fuel Oil 7/ | 10.28 | 10.37 | 10.65 | 10.72 | 10.81 | 11.05 | 10.88 | 11.00 | 11.13 | 11.09 | 11.29 | 11.52 | 11.60 | 11.70 | -0.2% |
| Residual Fuel Oil | 15.72 | 15.79 | 16.06 | 16.12 | 16.21 | 16.47 | 16.12 | 16.30 | 16.57 | 16.50 | 16.70 | 16.99 | 16.97 | 17.13 | -0.3% |
| Natural Gas 8/ | 4.12 | 4.20 | 4.49 | 4.37 | 4.50 | 4.84 | 4.49 | 4.95 | 5.24 | 4.99 | 4.99 | 5.09 | 5.14 | 5.19 | 0.1% |
| Electricity | 13.32 | 13.25 | 13.23 | 13.28 | 13.19 | 13.31 | 13.37 | 13.41 | 13.42 | 13.40 | 13.48 | 13.60 | 13.65 | 13.69 | -0.5% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 27.58 | 27.91 | 27.82 | 27.76 | 27.96 | 27.77 | 27.96 | 28.04 | 28.13 | 28.11 | 28.11 | 28.57 | 28.74 | 28.53 | -0.2% |
| Residual Fuel Oil | 8.12 | 8.21 | 8.43 | 8.52 | 8.64 | 8.79 | 8.73 | 8.88 | 8.92 | 8.99 | 9.17 | 9.26 | 9.42 | 9.49 | -0.7% |
| Natural Gas | 4.28 | 4.37 | 4.64 | 4.62 | 4.76 | 4.99 | 4.75 | 5.04 | 5.08 | 5.01 | 5.05 | 5.13 | 5.04 | 5.10 | -1.1% |
| Steam Coal | 5.91 | 5.85 | 5.81 | 5.91 | 5.81 | 5.95 | 6.08 | 6.13 | 6.14 | 6.17 | 6.26 | 6.39 | 6.45 | 6.45 | -1.5% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 2.68 | 2.64 | 2.62 | 2.61 | 2.59 | 2.58 | 2.59 | 2.58 | 2.56 | 2.56 | 2.57 | 2.57 | 2.64 | 2.67 | -0.2% |
| E85 4/ | 25.43 | 25.35 | 25.29 | 25.39 | 25.28 | 25.41 | 25.55 | 25.59 | 25.60 | 25.63 | 25.73 | 25.87 | 25.96 | 25.99 | 0.8% |
| Motor Gasoline 5/ | 20.81 | 20.78 | 21.02 | 21.01 | 21.02 | 21.46 | 21.36 | 21.37 | 21.62 | 21.47 | 21.71 | 21.80 | 21.80 | 21.86 | -0.2% |
| Jet Fuel | 16.36 | 16.44 | 16.81 | 16.77 | 16.90 | 17.18 | 17.03 | 17.24 | 17.41 | 17.24 | 17.41 | 17.62 | 17.64 | 17.82 | -0.3% |
| Distillate Fuel Oil | 10.28 | 10.37 | 10.65 | 10.72 | 10.81 | 11.05 | 10.88 | 11.00 | 11.13 | 11.09 | 11.29 | 11.52 | 11.60 | 11.70 | -0.2% |
| Residual Fuel Oil | 13.31 | 13.40 | 13.67 | 13.76 | 13.89 | 14.12 | 13.95 | 14.14 | 14.30 | 14.33 | 14.55 | 14.76 | 14.86 | 15.00 | 0.0% |
| Natural Gas | 5.72 | 5.88 | 6.17 | 6.19 | 6.39 | 6.60 | 6.39 | 6.61 | 6.55 | 6.55 | 6.62 | 6.68 | 6.55 | 6.61 | -0.3% |
| Metallurgical Coal | 8.28 | 8.17 | 8.09 | 8.18 | 8.06 | 8.17 | 8.29 | 8.32 | 8.32 | 8.35 | 8.45 | 8.59 | 8.73 | 8.84 | -1.1% |
| Other Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Coal to Liquids | 2.69 | 2.66 | 2.64 | 2.62 | 2.60 | 2.59 | 2.60 | 2.59 | 2.58 | 2.57 | 2.59 | 2.58 | 2.65 | 2.68 | -0.2% |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 29.19 | 29.60 | 29.52 | 29.50 | 29.71 | 29.52 | 29.75 | 29.75 | 29.84 | 29.84 | 29.84 | 30.53 | 30.53 | 30.15 | -0.6% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 14.46 | 14.57 | 14.65 | 14.76 | 14.79 | 14.85 | 14.91 | 15.04 | 15.05 | 15.09 | 15.18 | 15.38 | 15.42 | 15.41 | 0.0% |

Table 11. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted) - New England - 01

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Commercial | 9.32 | 9.55 | 9.66 | 9.81 | 9.98 | 10.11 | 10.31 | 10.46 | 10.64 | 10.79 | 10.97 | 11.39 | 11.53 | 11.56 | 0.7% |
| Industrial | 3.93 | 3.93 | 3.94 | 3.96 | 3.97 | 3.98 | 4.00 | 4.01 | 4.02 | 4.04 | 4.07 | 4.14 | 4.15 | 4.14 | -0.5% |
| Transportation | 20.07 | 20.41 | 21.10 | 21.32 | 21.72 | 22.33 | 22.32 | 22.84 | 23.34 | 23.41 | 23.93 | 24.50 | 24.79 | 25.31 | 1.0% |
| Total Non-Renewable Expenditures | 47.79 | 48.46 | 49.35 | 49.85 | 50.47 | 51.27 | 51.55 | 52.35 | 53.05 | 53.33 | 54.15 | 55.41 | 55.90 | 56.43 | 0.5% |
| Transportation Renewable Expenditures | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 10.9% |
| Total Expenditures | 47.80 | 48.47 | 49.36 | 49.86 | 50.47 | 51.28 | 51.56 | 52.36 | 53.07 | 53.35 | 54.17 | 55.43 | 55.92 | 56.45 | 0.5% |

Table 11. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted) - New England - 01

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121(2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 12. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted) - Middle Atlantic - 02

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 21.45 | 22.56 | 24.90 | 27.99 | 27.77 | 27.13 | 26.79 | 26.33 | 26.14 | 25.89 | 25.90 | 25.82 | 25.88 |
| Distillate Fuel Oil | 13.15 | 14.85 | 17.13 | 17.59 | 17.08 | 15.99 | 15.04 | 14.22 | 13.57 | 12.80 | 12.74 | 12.82 | 12.86 |
| Natural Gas | 12.18 | 13.62 | 14.54 | 13.16 | 13.06 | 12.54 | 12.26 | 11.85 | 11.67 | 11.46 | 11.50 | 11.44 | 11.51 |
| Electricity | 35.77 | 36.59 | 34.20 | 32.89 | 32.94 | 32.69 | 32.04 | 31.77 | 32.30 | 32.41 | 32.28 | 32.31 | 32.34 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.53 | 12.60 | 14.57 | 15.37 | 14.53 | 13.50 | 12.78 | 12.09 | 11.48 | 10.98 | 10.85 | 10.93 | 11.07 |
| Residual Fuel Oil | 6.50 | 8.75 | 10.50 | 7.28 | 7.08 | 7.03 | 6.95 | 6.47 | 6.36 | 5.35 | 5.71 | 5.92 | 5.87 |
| Natural Gas | 10.41 | 12.67 | 12.25 | 10.88 | 10.73 | 10.16 | 9.85 | 9.42 | 9.22 | 8.98 | 8.99 | 8.91 | 8.96 |
| Electricity | 33.26 | 34.55 | 33.69 | 32.01 | 31.63 | 30.48 | 29.04 | 27.84 | 28.35 | 28.28 | 28.09 | 28.22 | 28.34 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 17.60 | 17.42 | 18.97 | 24.24 | 24.03 | 23.39 | 23.05 | 22.59 | 22.39 | 22.14 | 22.16 | 22.08 | 22.14 |
| Distillate Fuel Oil | 10.38 | 12.68 | 14.71 | 14.81 | 13.94 | 12.98 | 12.46 | 12.03 | 11.46 | 11.15 | 10.97 | 11.04 | 11.26 |
| Residual Fuel Oil | 6.19 | 8.33 | 10.00 | 7.28 | 7.08 | 7.03 | 6.95 | 6.47 | 6.36 | 5.35 | 5.71 | 5.92 | 5.87 |
| Natural Gas 2/ | 7.70 | 9.65 | 8.75 | 8.38 | 8.17 | 7.56 | 7.23 | 6.78 | 6.59 | 6.35 | 6.37 | 6.30 | 6.35 |
| Metallurgical Coal | 2.05 | 2.78 | 2.99 | 3.05 | 3.03 | 2.93 | 2.83 | 2.73 | 2.64 | 2.54 | 2.50 | 2.47 | 2.46 |
| Other Industrial Coal | 1.75 | 2.13 | 2.17 | 2.19 | 2.20 | 2.20 | 2.25 | 2.25 | 2.20 | 2.15 | 2.11 | 2.10 | 2.08 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 20.05 | 21.37 | 26.15 | 25.73 | 25.88 | 24.46 | 22.53 | 20.98 | 20.44 | 20.16 | 19.86 | 19.89 | 19.95 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 18.56 | 22.19 | 30.59 | 22.18 | 22.01 | 21.40 | 23.40 | 22.94 | 22.74 | 22.48 | 22.50 | 22.41 | 22.47 |
| Motor Gasoline 5/ Jet Fuel 6/ | 20.91 | 23.10 | 24.81 | 29.17 | 27.43 | 25.22 | 22.12 | 21.37 | 21.16 | 21.04 | 20.84 | 20.93 | 21.03 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 15.96 | 19.14 | 21.62 | 21.72 | 20.24 | 19.06 | 18.28 | 17.65 | 17.28 | 16.97 | 16.47 | 16.47 | 16.55 |
| Natural Gas 8/ Electricity | 9.19 | 13.17 | 15.06 | 12.61 | 11.40 | 10.66 | 10.29 | 9.88 | 9.63 | 9.60 | 9.46 | 9.51 | 9.68 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 13.83 | 18.31 | 20.62 | 20.08 | 18.71 | 17.67 | 17.12 | 16.37 | 15.78 | 15.54 | 15.31 | 15.36 | 15.57 |
| Natural Gas 8/ Electricity | 4.90 | 5.56 | 6.78 | 5.21 | 5.18 | 4.97 | 4.49 | 4.13 | 4.05 | 3.81 | 3.72 | 3.82 | 3.89 |
| Natural Gas 8/ Electricity | 14.17 | 16.54 | 13.87 | 14.15 | 13.89 | 13.96 | 15.51 | 15.00 | 14.74 | 14.45 | 14.31 | 14.21 | 14.21 |
| Electricity | 28.20 | 27.69 | 29.27 | 28.53 | 28.74 | 28.20 | 27.34 | 26.73 | 26.79 | 26.69 | 26.48 | 26.50 | 26.55 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.13 | 11.15 | 12.95 | 14.71 | 14.20 | 13.11 | 12.16 | 11.34 | 10.69 | 9.92 | 9.86 | 9.94 | 9.98 |
| Residual Fuel Oil | 5.17 | 7.20 | 8.08 | 5.20 | 5.10 | 4.98 | 4.71 | 4.33 | 4.24 | 3.69 | 3.80 | 3.94 | 3.95 |
| Natural Gas | 6.91 | 9.29 | 7.55 | 7.32 | 7.21 | 6.64 | 6.35 | 5.94 | 5.77 | 5.54 | 5.56 | 5.53 | 5.60 |
| Steam Coal | 1.52 | 1.68 | 1.81 | 1.83 | 1.88 | 1.91 | 1.96 | 1.89 | 1.85 | 1.82 | 1.83 | 1.81 | 1.79 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 19.56 | 20.33 | 22.72 | 25.83 | 25.70 | 25.10 | 25.03 | 24.58 | 24.39 | 24.15 | 24.18 | 24.11 | 24.19 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 29.17 | 27.43 | 25.22 | 22.12 | 21.37 | 21.16 | 21.04 | 20.84 | 20.93 | 21.03 |
| Motor Gasoline 5/ Jet Fuel | 15.95 | 19.11 | 21.59 | 21.72 | 20.24 | 19.06 | 18.28 | 17.65 | 17.28 | 16.97 | 16.47 | 16.47 | 16.55 |
| Distillate Fuel Oil | 9.19 | 13.17 | 15.06 | 12.61 | 11.40 | 10.66 | 10.29 | 9.88 | 9.63 | 9.60 | 9.46 | 9.51 | 9.68 |
| Residual Fuel Oil | 12.89 | 15.93 | 18.24 | 18.22 | 17.29 | 16.25 | 15.52 | 14.75 | 14.17 | 13.77 | 13.62 | 13.70 | 13.85 |
| Natural Gas | 5.39 | 7.18 | 8.46 | 5.71 | 5.59 | 5.46 | 5.18 | 4.79 | 4.67 | 4.11 | 4.21 | 4.36 | 4.37 |
| Natural Gas | 9.95 | 11.84 | 11.59 | 10.79 | 10.57 | 9.97 | 9.66 | 9.20 | 9.02 | 8.77 | 8.79 | 8.67 | 8.71 |
| Metallurgical Coal | 2.05 | 2.78 | 2.99 | 3.05 | 3.03 | 2.93 | 2.83 | 2.73 | 2.64 | 2.54 | 2.50 | 2.47 | 2.46 |
| Other Coal | 1.55 | 1.71 | 1.84 | 1.86 | 1.90 | 1.93 | 1.97 | 1.91 | 1.87 | 1.84 | 1.84 | 1.82 | 1.80 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 31.20 | 32.43 | 32.27 | 31.00 | 30.92 | 30.07 | 28.83 | 27.91 | 28.22 | 28.17 | 27.99 | 28.07 | 28.15 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 32.51 | 36.21 | 35.95 | 35.85 | 35.87 | 34.95 | 34.22 | 33.54 | 33.60 | 33.17 | 33.18 | 33.21 | 33.42 |

Table 12. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted) - Middle Atlantic - 02

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Commercial | 27.10 | 29.63 | 29.26 | 27.51 | 27.15 | 26.42 | 25.67 | 25.00 | 25.41 | 25.39 | 25.53 | 25.84 | 26.20 |
| Industrial | 12.26 | 13.08 | 13.99 | 14.81 | 14.26 | 13.52 | 12.79 | 12.06 | 11.75 | 11.47 | 11.37 | 11.31 | 11.35 |
| Transportation | 41.47 | 51.56 | 59.01 | 57.74 | 53.91 | 51.14 | 49.57 | 48.18 | 47.47 | 47.18 | 46.42 | 46.89 | 47.67 |
| Total Non-Renewable Expenditures | 113.34 | 130.48 | 138.21 | 135.92 | 131.18 | 126.03 | 122.25 | 118.79 | 118.23 | 117.20 | 116.50 | 117.25 | 118.65 |
| Transportation Renewable Expenditures | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Total Expenditures | 113.34 | 130.48 | 138.22 | 135.92 | 131.19 | 126.04 | 122.26 | 118.80 | 118.24 | 117.21 | 116.51 | 117.27 | 118.66 |

Table 12. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted) - Middle Atlantic - 02

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 26.09 | 26.05 | 26.02 | 26.08 | 26.03 | 26.14 | 26.26 | 26.36 | 26.34 | 26.37 | 26.45 | 26.58 | 26.65 | 26.67 | 0.7% |
| Distillate Fuel Oil | 12.95 | 13.04 | 13.26 | 13.36 | 13.47 | 13.62 | 13.56 | 13.71 | 13.75 | 13.82 | 13.99 | 14.09 | 14.25 | 14.31 | -0.1% |
| Natural Gas | 11.76 | 11.74 | 11.73 | 11.81 | 11.78 | 11.91 | 12.05 | 12.17 | 12.18 | 12.23 | 12.34 | 12.48 | 12.59 | 12.63 | -0.3% |
| Electricity | 32.64 | 32.91 | 32.84 | 32.85 | 32.96 | 32.94 | 33.12 | 33.31 | 33.44 | 33.34 | 33.34 | 33.45 | 33.57 | 33.55 | -0.3% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 11.11 | 11.20 | 11.46 | 11.54 | 11.65 | 11.88 | 11.69 | 11.86 | 12.02 | 12.03 | 12.24 | 12.43 | 12.51 | 12.64 | 0.0% |
| Residual Fuel Oil | 6.01 | 6.13 | 6.43 | 6.51 | 6.69 | 6.85 | 6.68 | 6.82 | 6.58 | 6.71 | 6.81 | 6.88 | 6.61 | 6.68 | -1.1% |
| Natural Gas | 9.17 | 9.12 | 9.09 | 9.14 | 9.08 | 9.19 | 9.30 | 9.39 | 9.37 | 9.39 | 9.47 | 9.59 | 9.66 | 9.67 | -1.1% |
| Electricity | 28.68 | 29.06 | 29.03 | 29.03 | 29.04 | 28.96 | 29.16 | 29.31 | 29.42 | 29.26 | 29.19 | 29.30 | 29.32 | 29.22 | -0.7% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 22.35 | 22.31 | 22.28 | 22.34 | 22.28 | 22.40 | 22.51 | 22.62 | 22.60 | 22.62 | 22.71 | 22.84 | 22.91 | 22.93 | 1.1% |
| Distillate Fuel Oil | 11.26 | 11.35 | 11.64 | 11.72 | 11.83 | 12.10 | 11.82 | 12.01 | 12.26 | 12.23 | 12.45 | 12.73 | 12.75 | 12.91 | 0.1% |
| Residual Fuel Oil | 6.01 | 6.13 | 6.43 | 6.51 | 6.69 | 6.85 | 6.68 | 6.82 | 6.58 | 6.71 | 6.81 | 6.88 | 6.61 | 6.68 | -0.9% |
| Natural Gas 2/ | 6.56 | 6.52 | 6.48 | 6.54 | 6.49 | 6.60 | 6.71 | 6.81 | 6.79 | 6.82 | 6.90 | 7.02 | 7.09 | 7.11 | -1.2% |
| Metallurgical Coal | 2.46 | 2.45 | 2.44 | 2.46 | 2.47 | 2.47 | 2.46 | 2.44 | 2.45 | 2.46 | 2.48 | 2.50 | 2.51 | 2.52 | -0.4% |
| Other Industrial Coal | 2.05 | 2.03 | 2.01 | 2.03 | 2.03 | 2.05 | 2.06 | 2.07 | 2.08 | 2.09 | 2.10 | 2.13 | 2.14 | 2.15 | 0.0% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 20.27 | 20.61 | 20.57 | 20.58 | 20.67 | 20.61 | 20.82 | 21.00 | 21.11 | 20.99 | 20.92 | 20.96 | 21.02 | 20.94 | -0.1% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 22.67 | 22.63 | 22.59 | 22.65 | 22.59 | 22.70 | 22.81 | 22.91 | 22.89 | 22.90 | 22.99 | 23.11 | 23.18 | 23.20 | 0.2% |
| Motor Gasoline 5/ Jet Fuel 6/ | 21.27 | 21.24 | 21.50 | 21.49 | 21.50 | 21.93 | 21.83 | 21.83 | 22.09 | 21.94 | 22.17 | 22.26 | 22.26 | 22.33 | -0.1% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 16.68 | 16.76 | 17.12 | 17.08 | 17.21 | 17.50 | 17.35 | 17.56 | 17.73 | 17.56 | 17.73 | 17.94 | 17.97 | 18.16 | -0.2% |
| Natural Gas 8/ Electricity | 9.72 | 9.83 | 10.12 | 10.21 | 10.31 | 10.56 | 10.41 | 10.53 | 10.67 | 10.64 | 10.85 | 11.08 | 11.17 | 11.28 | -0.6% |
| | 15.53 | 15.60 | 15.88 | 15.93 | 16.02 | 16.28 | 15.94 | 16.11 | 16.38 | 16.31 | 16.51 | 16.80 | 16.78 | 16.93 | -0.3% |
| | 3.89 | 3.97 | 4.26 | 4.15 | 4.27 | 4.61 | 4.26 | 4.72 | 5.01 | 4.76 | 4.76 | 4.86 | 4.91 | 4.96 | -0.5% |
| | 14.33 | 14.28 | 14.29 | 14.28 | 14.24 | 14.35 | 14.34 | 14.43 | 14.42 | 14.36 | 14.42 | 14.52 | 14.55 | 14.58 | -0.5% |
| | 26.80 | 27.08 | 27.04 | 27.07 | 27.08 | 27.06 | 27.23 | 27.40 | 27.47 | 27.35 | 27.30 | 27.35 | 27.42 | 27.41 | 0.0% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.07 | 10.16 | 10.38 | 10.48 | 10.59 | 10.74 | 10.68 | 10.83 | 10.87 | 10.94 | 11.11 | 11.21 | 11.37 | 11.43 | 0.1% |
| Residual Fuel Oil | 4.01 | 4.11 | 4.37 | 4.35 | 4.49 | 4.73 | 4.48 | 4.77 | 4.81 | 4.74 | 4.78 | 4.86 | 4.77 | 4.83 | -1.6% |
| Natural Gas | 5.80 | 5.78 | 5.74 | 5.81 | 5.74 | 5.84 | 5.93 | 6.02 | 6.00 | 6.00 | 6.08 | 6.21 | 6.27 | 6.29 | -1.5% |
| Steam Coal | 1.79 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.76 | 1.77 | 1.79 | 1.79 | 1.81 | 1.82 | 1.84 | 0.4% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 24.41 | 24.38 | 24.35 | 24.43 | 24.37 | 24.49 | 24.62 | 24.73 | 24.72 | 24.75 | 24.84 | 24.97 | 25.04 | 25.07 | 0.8% |
| E85 4/ | 21.27 | 21.24 | 21.50 | 21.49 | 21.50 | 21.93 | 21.83 | 21.83 | 22.09 | 21.94 | 22.17 | 22.26 | 22.26 | 22.33 | -0.1% |
| Motor Gasoline 5/ Jet Fuel | 16.68 | 16.76 | 17.12 | 17.08 | 17.21 | 17.50 | 17.35 | 17.56 | 17.73 | 17.56 | 17.73 | 17.94 | 17.97 | 18.16 | -0.2% |
| Distillate Fuel Oil | 9.72 | 9.83 | 10.12 | 10.21 | 10.31 | 10.56 | 10.41 | 10.53 | 10.67 | 10.64 | 10.85 | 11.08 | 11.17 | 11.28 | -0.6% |
| Residual Fuel Oil | 13.88 | 13.97 | 14.24 | 14.33 | 14.45 | 14.69 | 14.47 | 14.65 | 14.85 | 14.85 | 15.07 | 15.31 | 15.37 | 15.52 | -0.1% |
| Natural Gas | 4.44 | 4.53 | 4.81 | 4.79 | 4.93 | 5.17 | 4.93 | 5.22 | 5.25 | 5.18 | 5.23 | 5.32 | 5.22 | 5.28 | -1.2% |
| Metallurgical Coal | 8.93 | 8.87 | 8.85 | 8.91 | 8.87 | 9.00 | 9.14 | 9.26 | 9.25 | 9.30 | 9.39 | 9.51 | 9.59 | 9.62 | -0.8% |
| Other Coal | 2.46 | 2.45 | 2.44 | 2.46 | 2.47 | 2.47 | 2.46 | 2.44 | 2.45 | 2.46 | 2.48 | 2.50 | 2.51 | 2.52 | -0.4% |
| Coal to Liquids | 1.80 | 1.77 | 1.75 | 1.75 | 1.76 | 1.76 | 1.76 | 1.77 | 1.79 | 1.80 | 1.81 | 1.82 | 1.83 | 1.85 | 0.3% |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | 28.49 | 28.84 | 28.80 | 28.82 | 28.89 | 28.85 | 29.05 | 29.24 | 29.37 | 29.24 | 29.20 | 29.31 | 29.38 | 29.31 | -0.4% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 33.76 | 33.92 | 33.99 | 34.21 | 34.17 | 34.34 | 34.53 | 34.86 | 34.85 | 34.86 | 35.00 | 35.28 | 35.35 | 35.36 | -0.1% |

Table 12. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted) - Middle Atlantic - 02

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Commercial | 26.79 | 27.24 | 27.49 | 27.80 | 28.06 | 28.40 | 28.84 | 29.29 | 29.64 | 29.83 | 30.19 | 30.68 | 31.04 | 31.31 | 0.2% |
| Industrial | 11.42 | 11.41 | 11.43 | 11.54 | 11.56 | 11.58 | 11.61 | 11.68 | 11.67 | 11.69 | 11.76 | 11.82 | 11.84 | 11.85 | -0.4% |
| Transportation | 48.31 | 48.93 | 50.36 | 50.73 | 51.48 | 52.75 | 52.51 | 53.55 | 54.59 | 54.58 | 55.63 | 56.83 | 57.37 | 58.39 | 0.5% |
| Total Non-Renewable Expenditures | 120.28 | 121.51 | 123.28 | 124.27 | 125.27 | 127.07 | 127.48 | 129.38 | 130.75 | 130.97 | 132.58 | 134.60 | 135.60 | 136.90 | 0.2% |
| Transportation Renewable Expenditures | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 10.1% |
| Total Expenditures | 120.29 | 121.53 | 123.30 | 124.29 | 125.29 | 127.10 | 127.51 | 129.42 | 130.78 | 131.01 | 132.62 | 134.65 | 135.66 | 136.96 | 0.2% |

Table 12. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted) - Middle Atlantic - 02

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 13. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
East North Central - 03

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 16.60 | 16.83 | 18.34 | 23.28 | 23.24 | 22.71 | 22.44 | 22.02 | 21.86 | 21.65 | 21.68 | 21.61 | 21.70 |
| Distillate Fuel Oil | 12.43 | 14.22 | 16.45 | 17.00 | 17.45 | 16.29 | 15.12 | 13.88 | 12.75 | 11.85 | 11.68 | 11.74 | 11.75 |
| Natural Gas | 9.55 | 11.38 | 12.08 | 10.92 | 10.80 | 10.28 | 10.02 | 9.61 | 9.46 | 9.28 | 9.32 | 9.27 | 9.37 |
| Electricity | 25.09 | 24.64 | 22.75 | 24.86 | 24.64 | 24.75 | 24.72 | 24.75 | 24.46 | 24.43 | 24.43 | 24.44 | 24.61 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.41 | 12.72 | 14.68 | 15.13 | 14.66 | 13.64 | 12.87 | 11.94 | 11.11 | 10.53 | 10.32 | 10.36 | 10.52 |
| Residual Fuel Oil | 5.54 | 7.45 | 8.95 | 11.00 | 11.33 | 10.68 | 10.14 | 9.72 | 9.32 | 9.10 | 8.92 | 8.96 | 8.97 |
| Natural Gas | 8.73 | 10.50 | 11.10 | 10.10 | 9.98 | 9.44 | 9.16 | 8.74 | 8.57 | 8.36 | 8.38 | 8.31 | 8.39 |
| Electricity | 22.41 | 22.42 | 21.88 | 23.36 | 23.35 | 23.43 | 23.32 | 23.00 | 22.43 | 22.22 | 22.15 | 22.16 | 22.44 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 14.03 | 17.17 | 18.42 | 20.83 | 20.79 | 20.26 | 19.99 | 19.57 | 19.41 | 19.20 | 19.23 | 19.16 | 19.26 |
| Distillate Fuel Oil | 11.52 | 12.95 | 15.20 | 15.67 | 14.68 | 13.77 | 13.32 | 12.82 | 12.20 | 11.86 | 11.63 | 11.66 | 11.92 |
| Residual Fuel Oil | 5.68 | 7.65 | 9.19 | 11.00 | 11.33 | 10.68 | 10.14 | 9.72 | 9.32 | 9.10 | 8.92 | 8.96 | 8.97 |
| Natural Gas 2/ | 6.81 | 8.52 | 7.88 | 7.95 | 7.91 | 7.40 | 7.14 | 6.73 | 6.58 | 6.37 | 6.41 | 6.34 | 6.43 |
| Metallurgical Coal | 2.60 | 3.36 | 3.58 | 3.61 | 3.61 | 3.52 | 3.43 | 3.33 | 3.23 | 3.12 | 3.07 | 3.05 | 3.04 |
| Other Industrial Coal | 1.87 | 2.24 | 2.31 | 2.34 | 2.36 | 2.36 | 2.45 | 2.44 | 2.44 | 2.42 | 2.41 | 2.39 | 2.37 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 14.16 | 14.39 | 16.49 | 18.47 | 18.72 | 18.56 | 17.99 | 17.09 | 16.32 | 16.02 | 15.91 | 15.92 | 16.14 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 20.56 | 25.23 | 23.67 | 24.35 | 24.36 | 23.86 | 25.93 | 25.51 | 25.34 | 25.13 | 25.16 | 25.08 | 25.17 |
| Motor Gasoline 5/ Jet Fuel 6/ | 20.91 | 23.10 | 24.81 | 26.03 | 24.29 | 23.32 | 20.83 | 20.06 | 19.86 | 19.73 | 19.54 | 19.62 | 19.70 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 15.74 | 18.48 | 21.38 | 21.06 | 19.86 | 18.78 | 17.87 | 17.19 | 16.80 | 16.50 | 16.02 | 16.00 | 16.00 |
| Natural Gas 8/ Electricity | 9.04 | 12.94 | 14.74 | 12.38 | 11.33 | 10.76 | 10.27 | 9.80 | 9.43 | 9.35 | 9.21 | 9.23 | 9.34 |
| | 13.49 | 17.31 | 19.68 | 19.43 | 17.85 | 16.93 | 16.50 | 15.70 | 15.15 | 14.87 | 14.62 | 14.61 | 14.91 |
| | 4.96 | 5.64 | 6.99 | 8.89 | 9.32 | 8.65 | 8.10 | 7.68 | 7.27 | 7.14 | 6.96 | 7.05 | 7.05 |
| | 11.45 | 14.43 | 11.60 | 11.96 | 11.80 | 11.94 | 13.51 | 13.03 | 12.80 | 12.55 | 12.44 | 12.35 | 12.38 |
| | 21.61 | 20.01 | 20.55 | 20.34 | 20.35 | 20.51 | 20.47 | 20.30 | 19.90 | 19.77 | 19.71 | 19.70 | 19.84 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.13 | 11.40 | 13.38 | 14.06 | 14.51 | 13.34 | 12.17 | 10.94 | 9.81 | 8.91 | 8.73 | 8.79 | 8.81 |
| Residual Fuel Oil | 5.31 | 7.40 | 8.33 | 7.35 | 7.70 | 7.10 | 6.59 | 6.20 | 5.84 | 5.68 | 5.51 | 5.57 | 5.58 |
| Natural Gas | 5.15 | 7.04 | 6.04 | 6.30 | 6.24 | 5.67 | 5.36 | 4.94 | 4.78 | 4.59 | 4.62 | 4.58 | 4.68 |
| Steam Coal | 1.26 | 1.40 | 1.54 | 1.56 | 1.57 | 1.57 | 1.62 | 1.60 | 1.57 | 1.55 | 1.54 | 1.53 | 1.52 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 15.47 | 17.13 | 18.48 | 22.18 | 22.14 | 21.61 | 21.42 | 21.01 | 20.86 | 20.66 | 20.70 | 20.63 | 20.74 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 26.03 | 24.29 | 23.32 | 20.83 | 20.06 | 19.86 | 19.73 | 19.54 | 19.62 | 19.70 |
| Motor Gasoline 5/ Jet Fuel | 15.73 | 18.44 | 21.34 | 21.06 | 19.86 | 18.78 | 17.87 | 17.19 | 16.80 | 16.50 | 16.02 | 16.00 | 16.00 |
| Distillate Fuel Oil | 9.04 | 12.94 | 14.74 | 12.38 | 11.33 | 10.76 | 10.27 | 9.80 | 9.43 | 9.35 | 9.21 | 9.23 | 9.34 |
| Residual Fuel Oil | 13.00 | 16.27 | 18.58 | 18.41 | 17.13 | 16.20 | 15.67 | 14.84 | 14.29 | 14.08 | 13.87 | 13.88 | 14.14 |
| Natural Gas | 5.43 | 7.34 | 8.75 | 9.79 | 10.16 | 9.53 | 8.99 | 8.57 | 8.21 | 7.74 | 7.58 | 7.62 | 7.63 |
| Metallurgical Coal | 8.18 | 9.92 | 9.66 | 9.20 | 9.11 | 8.59 | 8.35 | 7.94 | 7.79 | 7.57 | 7.61 | 7.52 | 7.61 |
| Other Coal | 2.60 | 3.36 | 3.58 | 3.61 | 3.61 | 3.52 | 3.43 | 3.33 | 3.23 | 3.12 | 3.07 | 3.05 | 3.04 |
| Coal to Liquids | 1.31 | 1.46 | 1.60 | 1.61 | 1.62 | 1.63 | 1.67 | 1.65 | 1.63 | 1.61 | 1.59 | 1.58 | 1.57 |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | 20.12 | 20.22 | 20.22 | 22.07 | 22.10 | 22.11 | 21.86 | 21.45 | 20.90 | 20.72 | 20.67 | 20.69 | 20.92 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 32.04 | 35.79 | 34.27 | 36.48 | 36.70 | 36.11 | 35.97 | 35.55 | 35.39 | 35.17 | 35.41 | 35.49 | 36.03 |

Table 13. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 East North Central - 03

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Commercial | 20.90 | 22.51 | 22.17 | 22.98 | 23.37 | 23.29 | 23.28 | 23.08 | 22.92 | 22.99 | 23.28 | 23.55 | 24.11 |
| Industrial | 32.22 | 31.79 | 33.10 | 36.17 | 35.91 | 34.97 | 34.19 | 32.67 | 31.65 | 31.06 | 30.89 | 30.80 | 31.16 |
| Transportation | 57.05 | 69.32 | 80.89 | 78.48 | 73.17 | 69.29 | 66.49 | 64.22 | 63.06 | 62.56 | 61.48 | 61.92 | 62.78 |
| Total Non-Renewable Expenditures | 142.22 | 159.41 | 170.43 | 174.11 | 169.15 | 163.66 | 159.93 | 155.53 | 153.01 | 151.77 | 151.06 | 151.76 | 154.08 |
| Transportation Renewable Expenditures | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Total Expenditures | 142.22 | 159.42 | 170.43 | 174.12 | 169.16 | 163.67 | 159.94 | 155.54 | 153.03 | 151.79 | 151.07 | 151.77 | 154.09 |

Table 13. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
East North Central - 03

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 21.91 | 21.85 | 21.82 | 21.91 | 21.86 | 21.99 | 22.11 | 22.22 | 22.20 | 22.22 | 22.30 | 22.42 | 22.50 | 22.53 | 1.2% |
| Distillate Fuel Oil | 11.90 | 11.98 | 12.22 | 12.33 | 12.44 | 12.60 | 12.57 | 12.73 | 12.75 | 12.83 | 12.95 | 12.99 | 13.13 | 13.20 | -0.3% |
| Natural Gas | 9.60 | 9.56 | 9.55 | 9.65 | 9.63 | 9.77 | 9.91 | 10.04 | 10.05 | 10.09 | 10.19 | 10.32 | 10.43 | 10.47 | -0.3% |
| Electricity | 24.84 | 24.96 | 24.94 | 24.99 | 25.10 | 25.09 | 25.19 | 25.34 | 25.28 | 25.10 | 25.04 | 25.10 | 25.24 | 25.22 | 0.1% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.55 | 10.65 | 10.96 | 10.97 | 11.09 | 11.31 | 11.14 | 11.32 | 11.47 | 11.48 | 11.66 | 11.81 | 11.88 | 12.00 | -0.2% |
| Residual Fuel Oil | 9.12 | 9.13 | 9.33 | 9.40 | 9.54 | 9.68 | 9.58 | 9.73 | 9.75 | 9.84 | 9.89 | 9.94 | 10.07 | 10.12 | 1.2% |
| Natural Gas | 8.59 | 8.53 | 8.50 | 8.58 | 8.54 | 8.65 | 8.77 | 8.88 | 8.86 | 8.88 | 8.95 | 9.07 | 9.15 | 9.17 | -0.5% |
| Electricity | 22.80 | 23.05 | 23.19 | 23.37 | 23.56 | 23.62 | 23.84 | 24.11 | 24.06 | 23.91 | 23.84 | 23.85 | 23.96 | 23.93 | 0.3% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 19.46 | 19.40 | 19.37 | 19.46 | 19.42 | 19.54 | 19.66 | 19.77 | 19.75 | 19.77 | 19.85 | 19.98 | 20.06 | 20.08 | 0.6% |
| Distillate Fuel Oil | 11.86 | 11.97 | 12.33 | 12.28 | 12.39 | 12.66 | 12.39 | 12.58 | 12.82 | 12.79 | 13.01 | 13.24 | 13.26 | 13.42 | 0.1% |
| Residual Fuel Oil | 9.12 | 9.13 | 9.33 | 9.40 | 9.54 | 9.68 | 9.58 | 9.73 | 9.75 | 9.84 | 9.89 | 9.94 | 10.07 | 10.12 | 1.1% |
| Natural Gas 2/ | 6.63 | 6.57 | 6.53 | 6.63 | 6.58 | 6.70 | 6.82 | 6.92 | 6.91 | 6.92 | 7.00 | 7.12 | 7.20 | 7.23 | -0.7% |
| Metallurgical Coal | 3.05 | 3.05 | 3.04 | 3.06 | 3.07 | 3.08 | 3.07 | 3.06 | 3.07 | 3.08 | 3.10 | 3.11 | 3.13 | 3.14 | -0.3% |
| Other Industrial Coal | 2.36 | 2.35 | 2.35 | 2.35 | 2.36 | 2.36 | 2.36 | 2.37 | 2.38 | 2.40 | 2.41 | 2.43 | 2.43 | 2.45 | 0.4% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 1.45 | 1.51 | 1.54 | 1.56 | 1.60 | 1.61 | 1.63 | N/A |
| Electricity | 16.47 | 16.68 | 16.77 | 16.92 | 17.04 | 17.08 | 17.24 | 17.42 | 17.40 | 17.29 | 17.25 | 17.30 | 17.40 | 17.38 | 0.8% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 25.37 | 25.31 | 25.27 | 25.36 | 25.31 | 25.43 | 25.55 | 25.65 | 25.63 | 25.64 | 25.72 | 25.84 | 25.92 | 25.94 | 0.1% |
| Motor Gasoline 5/ Jet Fuel 6/ | 19.95 | 19.93 | 20.17 | 20.16 | 20.17 | 20.60 | 20.51 | 20.52 | 20.77 | 20.62 | 20.85 | 20.94 | 20.94 | 21.01 | -0.4% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 16.16 | 16.24 | 16.58 | 16.55 | 16.68 | 16.96 | 16.84 | 17.04 | 17.20 | 17.04 | 17.21 | 17.41 | 17.47 | 17.65 | -0.2% |
| Natural Gas 8/ | 9.40 | 9.54 | 9.76 | 9.83 | 9.92 | 10.16 | 10.05 | 10.18 | 10.30 | 10.27 | 10.47 | 10.67 | 10.70 | 10.80 | -0.7% |
| Electricity | 14.77 | 14.85 | 15.22 | 15.11 | 15.20 | 15.46 | 15.12 | 15.29 | 15.56 | 15.49 | 15.69 | 15.94 | 15.92 | 16.08 | -0.3% |
| | 7.18 | 7.22 | 7.43 | 7.51 | 7.61 | 7.73 | 7.71 | 7.86 | 7.87 | 7.98 | 8.02 | 8.07 | 8.16 | 8.22 | 1.5% |
| | 12.52 | 12.47 | 12.50 | 12.53 | 12.51 | 12.63 | 12.65 | 12.74 | 12.75 | 12.69 | 12.76 | 12.87 | 12.92 | 12.97 | -0.4% |
| | 20.04 | 20.14 | 20.12 | 20.24 | 20.30 | 20.27 | 20.35 | 20.48 | 20.41 | 20.28 | 20.22 | 20.27 | 20.37 | 20.35 | 0.1% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 8.95 | 9.03 | 9.28 | 9.39 | 9.50 | 9.66 | 9.63 | 9.78 | 9.81 | 9.88 | 10.01 | 10.05 | 10.19 | 10.26 | -0.4% |
| Residual Fuel Oil | 5.70 | 5.73 | 5.92 | 5.98 | 6.10 | 6.22 | 6.16 | 6.30 | 6.32 | 6.41 | 6.45 | 6.50 | 6.59 | 6.64 | -0.4% |
| Natural Gas | 4.87 | 4.82 | 4.80 | 4.94 | 4.91 | 5.07 | 5.21 | 5.30 | 5.26 | 5.25 | 5.34 | 5.45 | 5.52 | 5.59 | -0.9% |
| Steam Coal | 1.51 | 1.49 | 1.49 | 1.49 | 1.48 | 1.49 | 1.49 | 1.49 | 1.51 | 1.51 | 1.52 | 1.53 | 1.53 | 1.54 | 0.4% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 20.95 | 20.90 | 20.87 | 20.97 | 20.93 | 21.06 | 21.19 | 21.30 | 21.29 | 21.31 | 21.40 | 21.53 | 21.62 | 21.65 | 0.9% |
| E85 4/ | 19.95 | 19.93 | 20.17 | 20.16 | 20.17 | 20.60 | 20.51 | 20.52 | 20.77 | 20.62 | 20.85 | 20.94 | 20.94 | 21.01 | -0.4% |
| Motor Gasoline 5/ Jet Fuel | 16.16 | 16.24 | 16.58 | 16.55 | 16.68 | 16.96 | 16.84 | 17.04 | 17.20 | 17.04 | 17.21 | 17.41 | 17.47 | 17.65 | -0.2% |
| Distillate Fuel Oil | 9.40 | 9.54 | 9.76 | 9.83 | 9.92 | 10.16 | 10.05 | 10.18 | 10.30 | 10.27 | 10.47 | 10.67 | 10.70 | 10.80 | -0.7% |
| Residual Fuel Oil | 14.04 | 14.13 | 14.49 | 14.41 | 14.51 | 14.78 | 14.47 | 14.65 | 14.90 | 14.85 | 15.06 | 15.30 | 15.30 | 15.46 | -0.2% |
| Natural Gas | 7.76 | 7.78 | 7.97 | 8.03 | 8.15 | 8.28 | 8.22 | 8.37 | 8.39 | 8.48 | 8.53 | 8.58 | 8.69 | 8.75 | 0.7% |
| Metallurgical Coal | 7.83 | 7.77 | 7.73 | 7.80 | 7.75 | 7.85 | 7.96 | 8.07 | 8.08 | 8.12 | 8.22 | 8.36 | 8.46 | 8.50 | -0.6% |
| Other Coal | 3.05 | 3.05 | 3.04 | 3.06 | 3.07 | 3.08 | 3.07 | 3.06 | 3.07 | 3.08 | 3.10 | 3.11 | 3.13 | 3.14 | -0.3% |
| Coal to Liquids | 1.56 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.55 | 1.56 | 1.57 | 1.57 | 1.58 | 1.59 | 1.60 | 0.4% |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 1.45 | 1.51 | 1.54 | 1.56 | 1.60 | 1.61 | 1.63 | N/A |
| | 21.24 | 21.46 | 21.54 | 21.69 | 21.84 | 21.88 | 22.06 | 22.28 | 22.24 | 22.10 | 22.06 | 22.11 | 22.24 | 22.23 | 0.4% |

Non-Renewable Energy Expenditures by Sector
(billion 2005 dollars)

| | | | | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Residential | 36.60 | 36.79 | 36.93 | 37.40 | 37.47 | 37.79 | 38.20 | 38.70 | 38.67 | 38.71 | 38.93 | 39.37 | 39.59 | 39.72 | 0.4% |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|

Table 13. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 East North Central - 03

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Commercial | 24.80 | 25.21 | 25.58 | 26.08 | 26.49 | 26.95 | 27.53 | 28.15 | 28.46 | 28.74 | 29.15 | 29.68 | 30.24 | 30.65 | 1.2% |
| Industrial | 31.61 | 31.62 | 31.79 | 32.24 | 32.43 | 32.78 | 32.99 | 33.41 | 33.53 | 33.74 | 34.05 | 34.41 | 34.64 | 34.82 | 0.4% |
| Transportation | 63.53 | 64.30 | 66.10 | 66.39 | 67.33 | 68.93 | 68.63 | 69.90 | 71.22 | 71.20 | 72.56 | 74.02 | 74.69 | 75.98 | 0.4% |
| Total Non-Renewable Expenditures | 156.54 | 157.91 | 160.41 | 162.10 | 163.71 | 166.45 | 167.35 | 170.15 | 171.88 | 172.39 | 174.68 | 177.47 | 179.16 | 181.18 | 0.5% |
| Transportation Renewable Expenditures | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 11.2% |
| Total Expenditures | 156.55 | 157.93 | 160.43 | 162.13 | 163.74 | 166.49 | 167.39 | 170.20 | 171.92 | 172.44 | 174.74 | 177.54 | 179.23 | 181.25 | 0.5% |

Table 13. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
East North Central - 03

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 14. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
West North Central - 04

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 14.05 | 16.83 | 18.34 | 20.51 | 20.47 | 19.99 | 19.73 | 19.37 | 19.21 | 18.96 | 18.99 | 18.93 | 19.01 |
| Distillate Fuel Oil | 12.01 | 14.05 | 16.05 | 16.47 | 13.78 | 13.07 | 12.28 | 11.58 | 11.19 | 11.00 | 10.75 | 10.71 | 10.63 |
| Natural Gas | 10.10 | 11.53 | 12.37 | 11.20 | 11.10 | 10.65 | 10.41 | 10.06 | 9.90 | 9.70 | 9.75 | 9.70 | 9.80 |
| Electricity | 22.93 | 22.79 | 23.58 | 23.34 | 23.53 | 23.87 | 24.21 | 24.19 | 23.82 | 23.67 | 23.46 | 23.20 | 23.16 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.12 | 12.86 | 14.20 | 14.92 | 12.87 | 12.07 | 11.50 | 10.84 | 10.39 | 10.17 | 9.92 | 9.92 | 10.03 |
| Residual Fuel Oil | 5.33 | 7.18 | 8.62 | 11.85 | 12.18 | 11.53 | 10.99 | 10.56 | 10.17 | 9.95 | 9.77 | 9.80 | 9.82 |
| Natural Gas | 8.87 | 10.39 | 10.82 | 9.75 | 9.62 | 9.14 | 8.87 | 8.49 | 8.32 | 8.08 | 8.11 | 8.04 | 8.11 |
| Electricity | 18.64 | 18.55 | 20.13 | 20.14 | 20.46 | 20.81 | 21.13 | 21.06 | 20.66 | 20.48 | 20.29 | 20.08 | 20.15 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 13.92 | 17.17 | 18.42 | 20.40 | 20.36 | 19.88 | 19.62 | 19.26 | 19.10 | 18.85 | 18.89 | 18.82 | 18.91 |
| Distillate Fuel Oil | 11.06 | 12.83 | 15.05 | 15.34 | 13.91 | 13.08 | 12.69 | 12.26 | 11.75 | 11.52 | 11.28 | 11.29 | 11.54 |
| Residual Fuel Oil | 5.33 | 7.18 | 8.62 | 11.85 | 12.18 | 11.53 | 10.99 | 10.56 | 10.17 | 9.95 | 9.77 | 9.80 | 9.82 |
| Natural Gas 2/ | 6.36 | 7.86 | 7.49 | 7.55 | 7.50 | 7.04 | 6.79 | 6.44 | 6.29 | 6.04 | 6.08 | 6.02 | 6.10 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 0.97 | 1.21 | 1.29 | 1.32 | 1.33 | 1.32 | 1.35 | 1.37 | 1.36 | 1.36 | 1.37 | 1.37 | 1.37 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.91 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 |
| Electricity | 13.66 | 13.80 | 14.37 | 14.77 | 15.02 | 15.25 | 15.37 | 15.14 | 14.86 | 14.74 | 14.60 | 14.45 | 14.48 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 20.81 | 26.00 | 20.02 | 24.10 | 24.10 | 23.65 | 25.74 | 25.37 | 25.20 | 24.95 | 24.98 | 24.91 | 24.99 |
| Motor Gasoline 5/ Jet Fuel 6/ | 20.91 | 23.10 | 24.81 | 25.39 | 23.66 | 23.63 | 20.31 | 19.54 | 19.34 | 19.21 | 19.02 | 19.10 | 19.18 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 15.52 | 18.19 | 20.42 | 20.94 | 19.74 | 18.64 | 17.71 | 17.05 | 16.66 | 16.35 | 15.89 | 15.86 | 15.86 |
| Natural Gas 8/ Electricity | 9.19 | 13.37 | 15.00 | 12.84 | 11.79 | 11.21 | 10.70 | 10.21 | 9.82 | 9.73 | 9.57 | 9.58 | 9.67 |
| | 13.21 | 17.08 | 19.91 | 19.14 | 17.56 | 16.64 | 16.21 | 15.41 | 14.86 | 14.58 | 14.33 | 14.32 | 14.62 |
| | 3.90 | 4.42 | 5.61 | 8.58 | 9.01 | 8.35 | 7.79 | 7.37 | 6.97 | 6.83 | 6.66 | 6.74 | 6.75 |
| | 11.37 | 14.19 | 11.41 | 11.69 | 11.50 | 11.71 | 13.47 | 13.04 | 12.82 | 12.54 | 12.46 | 12.37 | 12.40 |
| | 18.42 | 16.87 | 17.05 | 17.58 | 17.87 | 18.25 | 18.60 | 18.56 | 18.27 | 18.14 | 17.97 | 17.76 | 17.79 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.73 | 11.29 | 13.25 | 14.12 | 11.43 | 10.71 | 9.92 | 9.22 | 8.83 | 8.64 | 8.39 | 8.36 | 8.27 |
| Residual Fuel Oil | 4.26 | 5.94 | 6.66 | 6.74 | 7.09 | 6.49 | 5.98 | 5.59 | 5.23 | 5.07 | 4.90 | 4.96 | 4.97 |
| Natural Gas | 6.08 | 7.70 | 6.75 | 6.92 | 6.82 | 6.28 | 5.98 | 5.61 | 5.44 | 5.20 | 5.23 | 5.18 | 5.27 |
| Steam Coal | 0.88 | 0.98 | 1.13 | 1.14 | 1.15 | 1.14 | 1.15 | 1.14 | 1.12 | 1.12 | 1.11 | 1.11 | 1.12 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 14.08 | 17.09 | 18.38 | 20.54 | 20.51 | 20.03 | 19.80 | 19.44 | 19.28 | 19.03 | 19.07 | 19.01 | 19.10 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 25.39 | 23.66 | 23.63 | 20.31 | 19.54 | 19.34 | 19.21 | 19.02 | 19.10 | 19.18 |
| Motor Gasoline 5/ Jet Fuel | 15.50 | 18.12 | 20.35 | 20.94 | 19.74 | 18.64 | 17.71 | 17.05 | 16.66 | 16.35 | 15.89 | 15.86 | 15.86 |
| Distillate Fuel Oil | 9.19 | 13.37 | 15.00 | 12.84 | 11.79 | 11.21 | 10.70 | 10.21 | 9.82 | 9.73 | 9.57 | 9.58 | 9.67 |
| Residual Fuel Oil | 12.52 | 15.75 | 18.33 | 17.83 | 16.28 | 15.42 | 14.95 | 14.21 | 13.74 | 13.59 | 13.35 | 13.38 | 13.65 |
| Natural Gas | 4.80 | 6.58 | 8.49 | 11.48 | 11.66 | 11.03 | 8.12 | 7.71 | 7.22 | 7.04 | 6.81 | 6.92 | 6.86 |
| | 8.31 | 9.69 | 9.88 | 9.26 | 9.10 | 8.59 | 8.37 | 8.02 | 7.88 | 7.62 | 7.65 | 7.59 | 7.66 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Coal | 0.89 | 1.00 | 1.14 | 1.15 | 1.16 | 1.16 | 1.17 | 1.16 | 1.15 | 1.14 | 1.14 | 1.13 | 1.14 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.91 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 |
| Electricity | 18.67 | 18.69 | 19.65 | 19.72 | 19.99 | 20.29 | 20.57 | 20.47 | 20.12 | 19.98 | 19.81 | 19.60 | 19.64 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 13.27 | 14.59 | 14.96 | 15.18 | 15.39 | 15.39 | 15.52 | 15.45 | 15.40 | 15.32 | 15.39 | 15.38 | 15.58 |

Table 14. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 West North Central - 04

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Commercial | 9.07 | 9.57 | 10.15 | 10.19 | 10.54 | 10.65 | 10.79 | 10.80 | 10.76 | 10.79 | 10.89 | 10.94 | 11.14 |
| Industrial | 13.00 | 13.87 | 14.84 | 16.18 | 16.24 | 16.19 | 15.82 | 15.33 | 14.97 | 14.69 | 14.58 | 14.49 | 14.60 |
| Transportation | 27.80 | 33.94 | 39.06 | 39.12 | 36.83 | 35.15 | 33.99 | 32.98 | 32.51 | 32.40 | 31.97 | 32.30 | 32.88 |
| Total Non-Renewable Expenditures | 63.15 | 71.97 | 79.02 | 80.67 | 79.00 | 77.37 | 76.12 | 74.55 | 73.64 | 73.21 | 72.82 | 73.12 | 74.20 |
| Transportation Renewable Expenditures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Total Expenditures | 63.15 | 71.97 | 79.02 | 80.67 | 79.00 | 77.38 | 76.12 | 74.55 | 73.65 | 73.21 | 72.83 | 73.13 | 74.21 |

Table 14. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
West North Central - 04

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 19.22 | 19.12 | 19.05 | 19.18 | 19.13 | 19.26 | 19.40 | 19.47 | 19.48 | 19.50 | 19.58 | 19.71 | 19.80 | 19.85 | 0.7% |
| Distillate Fuel Oil | 10.87 | 10.98 | 11.23 | 11.26 | 11.42 | 11.50 | 11.44 | 11.53 | 11.52 | 11.57 | 11.74 | 11.85 | 12.12 | 12.15 | -0.6% |
| Natural Gas | 10.03 | 9.96 | 9.92 | 10.05 | 10.04 | 10.19 | 10.35 | 10.45 | 10.48 | 10.53 | 10.62 | 10.77 | 10.88 | 10.94 | -0.2% |
| Electricity | 23.26 | 23.38 | 23.29 | 23.24 | 23.26 | 23.23 | 23.20 | 23.21 | 23.21 | 23.13 | 23.13 | 23.14 | 23.20 | 23.17 | 0.1% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.10 | 10.21 | 10.53 | 10.51 | 10.64 | 10.83 | 10.64 | 10.78 | 10.91 | 10.91 | 11.12 | 11.30 | 11.44 | 11.54 | -0.4% |
| Residual Fuel Oil | 9.97 | 9.98 | 10.18 | 10.24 | 10.39 | 10.52 | 10.43 | 10.58 | 10.60 | 10.69 | 10.73 | 10.79 | 10.91 | 10.96 | 1.7% |
| Natural Gas | 8.31 | 8.21 | 8.15 | 8.26 | 8.22 | 8.34 | 8.48 | 8.56 | 8.56 | 8.59 | 8.66 | 8.79 | 8.87 | 8.91 | -0.6% |
| Electricity | 20.31 | 20.48 | 20.45 | 20.48 | 20.52 | 20.58 | 20.64 | 20.73 | 20.73 | 20.66 | 20.65 | 20.67 | 20.72 | 20.70 | 0.4% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 19.12 | 19.01 | 18.94 | 19.07 | 19.02 | 19.15 | 19.30 | 19.36 | 19.37 | 19.39 | 19.47 | 19.60 | 19.69 | 19.74 | 0.6% |
| Distillate Fuel Oil | 11.49 | 11.60 | 11.97 | 11.90 | 12.02 | 12.28 | 12.00 | 12.19 | 12.43 | 12.39 | 12.61 | 12.86 | 12.90 | 13.05 | 0.1% |
| Residual Fuel Oil | 9.97 | 9.98 | 10.18 | 10.24 | 10.39 | 10.52 | 10.43 | 10.58 | 10.60 | 10.69 | 10.73 | 10.79 | 10.91 | 10.96 | 1.7% |
| Natural Gas 2/ | 6.30 | 6.20 | 6.13 | 6.26 | 6.21 | 6.34 | 6.47 | 6.54 | 6.54 | 6.56 | 6.64 | 6.77 | 6.86 | 6.90 | -0.5% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 1.38 | 1.38 | 1.39 | 1.40 | 1.44 | 1.44 | 1.45 | 1.46 | 1.48 | 1.49 | 1.50 | 1.51 | 1.52 | 1.53 | 0.9% |
| Coal to Liquids | 0.95 | 0.95 | 1.00 | 1.02 | 1.10 | 1.12 | 1.12 | 1.14 | 1.16 | 1.17 | 1.18 | 1.19 | 1.20 | 1.21 | N/A |
| Electricity | 14.61 | 14.75 | 14.73 | 14.76 | 14.79 | 14.83 | 14.86 | 14.93 | 14.94 | 14.90 | 14.90 | 14.93 | 14.97 | 14.96 | 0.3% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 25.20 | 25.09 | 25.02 | 25.14 | 25.09 | 25.21 | 25.35 | 25.41 | 25.41 | 25.43 | 25.51 | 25.64 | 25.72 | 25.77 | 0.0% |
| Motor Gasoline 5/ Jet Fuel 6/ | 19.44 | 19.41 | 19.65 | 19.64 | 19.65 | 20.08 | 19.99 | 20.00 | 20.25 | 20.10 | 20.34 | 20.43 | 20.42 | 20.49 | -0.5% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 16.02 | 16.10 | 16.44 | 16.41 | 16.54 | 16.82 | 16.70 | 16.90 | 17.06 | 16.90 | 17.07 | 17.27 | 17.33 | 17.52 | -0.1% |
| Natural Gas 8/ Electricity | 9.73 | 9.85 | 10.07 | 10.13 | 10.22 | 10.45 | 10.34 | 10.46 | 10.58 | 10.54 | 10.74 | 10.93 | 10.96 | 11.06 | -0.8% |
| | 14.48 | 14.56 | 14.93 | 14.82 | 14.91 | 15.17 | 14.83 | 15.00 | 15.27 | 15.20 | 15.40 | 15.65 | 15.63 | 15.79 | -0.3% |
| | 6.87 | 6.91 | 7.12 | 7.20 | 7.30 | 7.43 | 7.40 | 7.55 | 7.57 | 7.67 | 7.71 | 7.77 | 7.85 | 7.91 | 2.4% |
| | 12.54 | 12.45 | 12.41 | 12.48 | 12.43 | 12.54 | 12.59 | 12.64 | 12.65 | 12.61 | 12.67 | 12.77 | 12.83 | 12.87 | -0.4% |
| | 17.91 | 18.05 | 18.00 | 18.01 | 18.02 | 18.02 | 18.01 | 18.05 | 18.05 | 17.99 | 17.99 | 18.02 | 18.05 | 18.01 | 0.3% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 8.51 | 8.62 | 8.88 | 8.91 | 9.06 | 9.15 | 9.09 | 9.18 | 9.16 | 9.21 | 9.38 | 9.49 | 9.77 | 9.79 | -0.6% |
| Residual Fuel Oil | 5.09 | 5.12 | 5.31 | 5.37 | 5.49 | 5.60 | 5.55 | 5.69 | 5.70 | 5.79 | 5.83 | 5.88 | 5.98 | 6.03 | 0.1% |
| Natural Gas | 5.47 | 5.37 | 5.31 | 5.43 | 5.38 | 5.51 | 5.63 | 5.69 | 5.68 | 5.70 | 5.78 | 5.90 | 5.99 | 6.04 | -1.0% |
| Steam Coal | 1.13 | 1.13 | 1.14 | 1.15 | 1.17 | 1.18 | 1.18 | 1.20 | 1.22 | 1.22 | 1.23 | 1.25 | 1.25 | 1.26 | 1.0% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 19.31 | 19.21 | 19.14 | 19.27 | 19.22 | 19.36 | 19.50 | 19.57 | 19.58 | 19.60 | 19.69 | 19.82 | 19.91 | 19.96 | 0.6% |
| E85 4/ | 19.44 | 19.41 | 19.65 | 19.64 | 19.65 | 20.08 | 19.99 | 20.00 | 20.25 | 20.10 | 20.34 | 20.43 | 20.42 | 20.49 | -0.5% |
| Motor Gasoline 5/ Jet Fuel | 16.02 | 16.10 | 16.44 | 16.41 | 16.54 | 16.82 | 16.70 | 16.90 | 17.06 | 16.90 | 17.07 | 17.27 | 17.33 | 17.52 | -0.1% |
| Distillate Fuel Oil | 9.73 | 9.85 | 10.07 | 10.13 | 10.22 | 10.45 | 10.34 | 10.46 | 10.58 | 10.54 | 10.74 | 10.93 | 10.96 | 11.06 | -0.8% |
| Residual Fuel Oil | 13.56 | 13.66 | 14.02 | 13.94 | 14.04 | 14.30 | 14.00 | 14.18 | 14.42 | 14.36 | 14.58 | 14.83 | 14.85 | 15.01 | -0.2% |
| Natural Gas | 6.99 | 7.08 | 7.39 | 7.45 | 7.99 | 8.12 | 7.64 | 7.78 | 8.56 | 9.50 | 8.70 | 8.07 | 8.51 | 8.90 | 1.2% |
| | 7.87 | 7.77 | 7.70 | 7.83 | 7.78 | 7.91 | 8.07 | 8.14 | 8.16 | 8.20 | 8.27 | 8.41 | 8.49 | 8.54 | -0.5% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Coal | 1.15 | 1.15 | 1.16 | 1.17 | 1.19 | 1.20 | 1.21 | 1.22 | 1.24 | 1.25 | 1.25 | 1.27 | 1.27 | 1.28 | 1.0% |
| Coal to Liquids | 0.95 | 0.95 | 1.00 | 1.02 | 1.10 | 1.12 | 1.12 | 1.14 | 1.16 | 1.17 | 1.18 | 1.19 | 1.20 | 1.21 | N/A |
| Electricity | 19.79 | 19.95 | 19.91 | 19.93 | 19.97 | 20.00 | 20.03 | 20.10 | 20.11 | 20.06 | 20.06 | 20.09 | 20.15 | 20.13 | 0.3% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 15.82 | 15.94 | 16.01 | 16.22 | 16.28 | 16.45 | 16.61 | 16.80 | 16.87 | 16.96 | 17.11 | 17.32 | 17.44 | 17.54 | 0.7% |

Table 14. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 West North Central - 04

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Commercial | 11.42 | 11.59 | 11.72 | 11.91 | 12.07 | 12.29 | 12.50 | 12.72 | 12.89 | 13.03 | 13.24 | 13.47 | 13.71 | 13.90 | 1.5% |
| Industrial | 14.75 | 14.76 | 14.86 | 15.02 | 15.10 | 15.35 | 15.40 | 15.55 | 15.69 | 15.77 | 15.99 | 16.19 | 16.36 | 16.47 | 0.7% |
| Transportation | 33.37 | 33.87 | 34.94 | 35.21 | 35.82 | 36.79 | 36.73 | 37.52 | 38.36 | 38.47 | 39.33 | 40.26 | 40.74 | 41.57 | 0.8% |
| Total Non-Renewable Expenditures | 75.35 | 76.17 | 77.53 | 78.36 | 79.27 | 80.87 | 81.25 | 82.60 | 83.81 | 84.24 | 85.66 | 87.24 | 88.24 | 89.47 | 0.9% |
| Transportation Renewable Expenditures | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 12.3% |
| Total Expenditures | 75.36 | 76.17 | 77.54 | 78.37 | 79.28 | 80.89 | 81.27 | 82.62 | 83.83 | 84.27 | 85.69 | 87.27 | 88.28 | 89.51 | 0.9% |

Table 14. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
West North Central - 04

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 15. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
South Atlantic - 05

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 20.87 | 21.52 | 23.41 | 26.72 | 26.81 | 26.31 | 26.04 | 25.57 | 25.40 | 25.24 | 25.26 | 25.18 | 25.26 |
| Distillate Fuel Oil | 13.06 | 14.75 | 16.82 | 17.60 | 17.02 | 15.93 | 14.98 | 14.16 | 13.51 | 12.74 | 12.64 | 12.70 | 12.75 |
| Natural Gas | 13.06 | 15.35 | 14.52 | 13.17 | 13.13 | 12.62 | 12.35 | 11.90 | 11.72 | 11.59 | 11.63 | 11.56 | 11.64 |
| Electricity | 25.22 | 25.87 | 27.80 | 27.38 | 27.41 | 27.17 | 27.04 | 26.55 | 26.01 | 25.70 | 25.50 | 25.41 | 25.45 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.18 | 12.41 | 14.42 | 14.90 | 14.00 | 12.97 | 12.24 | 11.55 | 10.95 | 10.45 | 10.29 | 10.36 | 10.51 |
| Residual Fuel Oil | 5.81 | 7.81 | 9.38 | 8.69 | 9.06 | 8.34 | 7.83 | 7.44 | 7.08 | 6.84 | 6.65 | 6.72 | 6.71 |
| Natural Gas | 10.62 | 12.58 | 11.79 | 10.76 | 10.71 | 10.16 | 9.86 | 9.36 | 9.16 | 8.99 | 8.99 | 8.89 | 8.94 |
| Electricity | 21.08 | 21.96 | 24.79 | 24.34 | 24.49 | 24.27 | 24.12 | 23.60 | 23.18 | 22.92 | 22.77 | 22.75 | 22.86 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 15.17 | 16.71 | 18.40 | 21.30 | 21.39 | 20.88 | 20.61 | 20.15 | 19.98 | 19.82 | 19.84 | 19.76 | 19.84 |
| Distillate Fuel Oil | 10.60 | 12.84 | 14.89 | 14.91 | 13.91 | 12.94 | 12.42 | 11.99 | 11.42 | 11.12 | 10.93 | 11.00 | 11.22 |
| Residual Fuel Oil | 5.90 | 7.93 | 9.53 | 8.69 | 9.06 | 8.34 | 7.83 | 7.44 | 7.08 | 6.84 | 6.65 | 6.72 | 6.71 |
| Natural Gas 2/ | 7.09 | 9.11 | 7.46 | 7.63 | 7.72 | 7.23 | 6.97 | 6.52 | 6.35 | 6.20 | 6.22 | 6.15 | 6.22 |
| Metallurgical Coal | 2.15 | 2.93 | 3.12 | 3.18 | 3.17 | 3.07 | 2.98 | 2.89 | 2.79 | 2.70 | 2.65 | 2.62 | 2.60 |
| Other Industrial Coal | 2.43 | 2.83 | 2.90 | 2.93 | 2.92 | 2.90 | 2.86 | 2.82 | 2.79 | 2.76 | 2.75 | 2.74 | 2.72 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 14.47 | 15.53 | 17.55 | 17.81 | 17.97 | 17.79 | 17.53 | 16.96 | 16.49 | 16.26 | 16.14 | 16.11 | 16.21 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 19.91 | 25.01 | 29.74 | 22.63 | 22.76 | 22.29 | 24.35 | 23.89 | 23.71 | 23.54 | 23.57 | 23.48 | 23.55 |
| Motor Gasoline 5/ Jet Fuel 6/ | 20.91 | 23.10 | 24.81 | 28.07 | 26.30 | 24.09 | 20.99 | 20.24 | 20.04 | 19.91 | 19.72 | 19.80 | 19.91 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 15.00 | 18.19 | 20.55 | 20.47 | 19.22 | 18.14 | 17.35 | 16.71 | 16.33 | 16.03 | 15.54 | 15.53 | 15.60 |
| Natural Gas 8/ Electricity | 9.01 | 13.32 | 15.09 | 13.18 | 12.06 | 11.43 | 11.04 | 10.62 | 10.36 | 10.34 | 10.19 | 10.24 | 10.41 |
| | 13.15 | 17.08 | 19.36 | 19.00 | 17.60 | 16.56 | 16.01 | 15.27 | 14.68 | 14.43 | 14.20 | 14.25 | 14.46 |
| | 4.56 | 5.17 | 6.45 | 8.11 | 8.53 | 7.86 | 7.30 | 6.87 | 6.47 | 6.33 | 6.15 | 6.24 | 6.25 |
| | 11.71 | 14.96 | 11.33 | 11.77 | 11.69 | 11.84 | 13.39 | 12.89 | 12.65 | 12.45 | 12.32 | 12.24 | 12.28 |
| | 21.17 | 20.87 | 21.71 | 21.53 | 21.69 | 21.51 | 21.40 | 20.95 | 20.48 | 20.20 | 20.03 | 19.96 | 20.03 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.33 | 11.30 | 13.11 | 14.35 | 13.77 | 12.68 | 11.73 | 10.91 | 10.26 | 9.49 | 9.39 | 9.45 | 9.50 |
| Residual Fuel Oil | 4.92 | 6.84 | 7.67 | 7.54 | 7.91 | 7.27 | 6.78 | 6.40 | 6.05 | 5.88 | 5.71 | 5.78 | 5.78 |
| Natural Gas | 6.60 | 8.83 | 6.97 | 7.27 | 7.25 | 6.69 | 6.40 | 5.94 | 5.76 | 5.63 | 5.66 | 5.63 | 5.75 |
| Steam Coal | 2.05 | 2.14 | 2.32 | 2.33 | 2.34 | 2.31 | 2.28 | 2.21 | 2.15 | 2.13 | 2.12 | 2.10 | 2.09 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 18.73 | 19.91 | 21.85 | 24.49 | 24.59 | 24.10 | 24.00 | 23.56 | 23.41 | 23.26 | 23.29 | 23.23 | 23.32 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 28.07 | 26.30 | 24.09 | 20.99 | 20.24 | 20.04 | 19.91 | 19.72 | 19.80 | 19.91 |
| Motor Gasoline 5/ Jet Fuel | 14.99 | 18.15 | 20.51 | 20.47 | 19.22 | 18.14 | 17.35 | 16.71 | 16.33 | 16.03 | 15.54 | 15.53 | 15.60 |
| Distillate Fuel Oil | 9.01 | 13.32 | 15.09 | 13.18 | 12.06 | 11.43 | 11.04 | 10.62 | 10.36 | 10.34 | 10.19 | 10.24 | 10.41 |
| Residual Fuel Oil | 12.42 | 15.73 | 17.92 | 17.75 | 16.59 | 15.58 | 14.95 | 14.23 | 13.70 | 13.47 | 13.27 | 13.34 | 13.55 |
| Natural Gas | 5.03 | 6.77 | 7.86 | 7.90 | 8.27 | 7.61 | 7.10 | 6.70 | 6.34 | 6.16 | 5.99 | 6.06 | 6.06 |
| Metallurgical Coal | 8.79 | 10.86 | 9.33 | 9.24 | 9.25 | 8.72 | 8.46 | 7.97 | 7.84 | 7.68 | 7.70 | 7.57 | 7.66 |
| Other Coal | 2.15 | 2.93 | 3.12 | 3.18 | 3.17 | 3.07 | 2.98 | 2.89 | 2.79 | 2.70 | 2.65 | 2.62 | 2.60 |
| Coal to Liquids | 2.07 | 2.19 | 2.35 | 2.37 | 2.37 | 2.35 | 2.31 | 2.25 | 2.19 | 2.16 | 2.15 | 2.13 | 2.12 |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | 21.36 | 22.24 | 24.52 | 24.23 | 24.35 | 24.16 | 24.02 | 23.53 | 23.07 | 22.81 | 22.66 | 22.62 | 22.72 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 37.62 | 40.84 | 42.66 | 43.15 | 44.18 | 44.29 | 44.78 | 44.66 | 44.71 | 44.82 | 45.31 | 45.90 | 46.85 |

Table 15. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 South Atlantic - 05

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Commercial | 24.58 | 27.22 | 29.62 | 29.90 | 31.26 | 31.57 | 31.99 | 32.04 | 32.32 | 32.80 | 33.47 | 34.23 | 35.23 |
| Industrial | 23.27 | 24.31 | 25.22 | 26.71 | 26.26 | 25.55 | 24.84 | 23.84 | 23.21 | 22.93 | 22.87 | 22.85 | 23.18 |
| Transportation | 67.59 | 84.14 | 96.39 | 95.40 | 89.92 | 85.79 | 83.35 | 81.46 | 80.76 | 80.94 | 80.34 | 81.92 | 84.16 |
| Total Non-Renewable Expenditures | 153.05 | 176.51 | 193.89 | 195.16 | 191.61 | 187.20 | 184.96 | 182.00 | 181.01 | 181.50 | 181.99 | 184.89 | 189.42 |
| Transportation Renewable Expenditures | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 |
| Total Expenditures | 153.06 | 176.52 | 193.89 | 195.17 | 191.62 | 187.21 | 184.97 | 182.01 | 181.02 | 181.51 | 182.00 | 184.91 | 189.44 |

Table 15. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
South Atlantic - 05

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 25.47 | 25.47 | 25.48 | 25.52 | 25.49 | 25.61 | 25.72 | 25.87 | 25.84 | 25.87 | 25.96 | 26.08 | 26.15 | 26.16 | 0.8% |
| Distillate Fuel Oil | 12.92 | 13.02 | 13.20 | 13.29 | 13.41 | 13.56 | 13.53 | 13.69 | 13.73 | 13.80 | 13.97 | 14.07 | 14.23 | 14.30 | -0.1% |
| Natural Gas | 11.89 | 11.91 | 11.95 | 11.99 | 12.00 | 12.14 | 12.27 | 12.44 | 12.44 | 12.49 | 12.59 | 12.73 | 12.83 | 12.86 | -0.7% |
| Electricity | 25.62 | 25.76 | 25.72 | 25.70 | 25.70 | 25.71 | 25.74 | 25.81 | 25.89 | 25.87 | 25.94 | 26.02 | 26.10 | 26.12 | 0.0% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.59 | 10.68 | 10.92 | 11.01 | 11.12 | 11.34 | 11.17 | 11.35 | 11.51 | 11.52 | 11.72 | 11.92 | 12.00 | 12.12 | -0.1% |
| Residual Fuel Oil | 6.84 | 6.87 | 7.06 | 7.14 | 7.30 | 7.44 | 7.33 | 7.48 | 7.51 | 7.60 | 7.65 | 7.71 | 7.83 | 7.88 | 0.0% |
| Natural Gas | 9.14 | 9.12 | 9.12 | 9.14 | 9.10 | 9.20 | 9.29 | 9.43 | 9.39 | 9.40 | 9.47 | 9.58 | 9.63 | 9.63 | -1.1% |
| Electricity | 23.07 | 23.29 | 23.29 | 23.32 | 23.32 | 23.34 | 23.39 | 23.51 | 23.57 | 23.53 | 23.58 | 23.69 | 23.71 | 23.70 | 0.3% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 20.05 | 20.05 | 20.06 | 20.10 | 20.07 | 20.19 | 20.30 | 20.45 | 20.42 | 20.45 | 20.53 | 20.66 | 20.72 | 20.74 | 0.9% |
| Distillate Fuel Oil | 11.23 | 11.33 | 11.61 | 11.69 | 11.80 | 12.07 | 11.79 | 11.99 | 12.23 | 12.20 | 12.42 | 12.70 | 12.72 | 12.89 | 0.0% |
| Residual Fuel Oil | 6.84 | 6.87 | 7.06 | 7.14 | 7.30 | 7.44 | 7.33 | 7.48 | 7.51 | 7.60 | 7.65 | 7.71 | 7.83 | 7.88 | 0.0% |
| Natural Gas 2/ | 6.43 | 6.43 | 6.43 | 6.47 | 6.44 | 6.56 | 6.66 | 6.81 | 6.78 | 6.81 | 6.89 | 7.01 | 7.08 | 7.09 | -1.0% |
| Metallurgical Coal | 2.60 | 2.60 | 2.58 | 2.60 | 2.61 | 2.61 | 2.60 | 2.58 | 2.59 | 2.60 | 2.61 | 2.63 | 2.64 | 2.65 | -0.4% |
| Other Industrial Coal | 2.71 | 2.68 | 2.66 | 2.66 | 2.65 | 2.66 | 2.67 | 2.67 | 2.68 | 2.68 | 2.68 | 2.70 | 2.70 | 2.71 | -0.2% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 16.38 | 16.54 | 16.54 | 16.57 | 16.56 | 16.56 | 16.58 | 16.66 | 16.69 | 16.65 | 16.66 | 16.70 | 16.73 | 16.72 | 0.3% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ | 23.76 | 23.76 | 23.76 | 23.80 | 23.76 | 23.88 | 23.98 | 24.13 | 24.10 | 24.12 | 24.20 | 24.32 | 24.38 | 24.39 | -0.1% |
| E85 4/ | 20.16 | 20.13 | 20.37 | 20.36 | 20.38 | 20.81 | 20.72 | 20.72 | 20.98 | 20.83 | 21.06 | 21.15 | 21.15 | 21.22 | -0.3% |
| Motor Gasoline 5/ | 15.76 | 15.84 | 16.18 | 16.15 | 16.28 | 16.57 | 16.44 | 16.65 | 16.81 | 16.65 | 16.82 | 17.02 | 17.08 | 17.27 | -0.2% |
| Jet Fuel 6/ | 10.47 | 10.57 | 10.83 | 10.91 | 11.01 | 11.26 | 11.14 | 11.26 | 11.41 | 11.37 | 11.58 | 11.82 | 11.90 | 12.01 | -0.4% |
| Distillate Fuel Oil 7/ | 14.43 | 14.49 | 14.77 | 14.82 | 14.91 | 15.17 | 14.83 | 15.00 | 15.27 | 15.20 | 15.41 | 15.69 | 15.67 | 15.83 | -0.3% |
| Residual Fuel Oil | 6.37 | 6.41 | 6.60 | 6.70 | 6.80 | 6.92 | 6.87 | 7.02 | 7.06 | 7.17 | 7.21 | 7.23 | 7.36 | 7.41 | 1.4% |
| Natural Gas 8/ | 12.42 | 12.42 | 12.48 | 12.48 | 12.47 | 12.60 | 12.61 | 12.74 | 12.75 | 12.70 | 12.77 | 12.89 | 12.93 | 12.97 | -0.6% |
| Electricity | 20.17 | 20.31 | 20.28 | 20.29 | 20.25 | 20.24 | 20.25 | 20.32 | 20.34 | 20.29 | 20.31 | 20.35 | 20.37 | 20.34 | -0.1% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.68 | 9.77 | 9.95 | 10.05 | 10.16 | 10.31 | 10.28 | 10.44 | 10.48 | 10.55 | 10.72 | 10.82 | 10.98 | 11.05 | -0.1% |
| Residual Fuel Oil | 5.89 | 5.93 | 6.11 | 6.19 | 6.31 | 6.42 | 6.35 | 6.49 | 6.52 | 6.62 | 6.66 | 6.69 | 6.81 | 6.85 | 0.0% |
| Natural Gas | 5.94 | 5.96 | 5.96 | 6.03 | 6.00 | 6.10 | 6.20 | 6.35 | 6.35 | 6.38 | 6.47 | 6.57 | 6.61 | 6.61 | -1.2% |
| Steam Coal | 2.08 | 2.06 | 2.05 | 2.05 | 2.05 | 2.06 | 2.06 | 2.07 | 2.07 | 2.08 | 2.09 | 2.10 | 2.11 | 2.12 | 0.0% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 23.54 | 23.55 | 23.57 | 23.62 | 23.60 | 23.72 | 23.84 | 24.00 | 23.98 | 24.00 | 24.10 | 24.22 | 24.29 | 24.31 | 0.8% |
| E85 4/ | 20.16 | 20.13 | 20.37 | 20.36 | 20.38 | 20.81 | 20.72 | 20.72 | 20.98 | 20.83 | 21.06 | 21.15 | 21.15 | 21.22 | -0.3% |
| Motor Gasoline 5/ | 15.76 | 15.84 | 16.18 | 16.15 | 16.28 | 16.57 | 16.44 | 16.65 | 16.81 | 16.65 | 16.82 | 17.02 | 17.08 | 17.27 | -0.2% |
| Jet Fuel | 10.47 | 10.57 | 10.83 | 10.91 | 11.01 | 11.26 | 11.14 | 11.26 | 11.41 | 11.37 | 11.58 | 11.82 | 11.90 | 12.01 | -0.4% |
| Distillate Fuel Oil | 13.55 | 13.63 | 13.91 | 13.98 | 14.09 | 14.35 | 14.06 | 14.25 | 14.50 | 14.46 | 14.68 | 14.96 | 14.98 | 15.14 | -0.2% |
| Residual Fuel Oil | 6.18 | 6.22 | 6.40 | 6.49 | 6.61 | 6.73 | 6.66 | 6.81 | 6.84 | 6.94 | 6.98 | 7.02 | 7.14 | 7.19 | 0.2% |
| Natural Gas | 7.89 | 7.88 | 7.91 | 7.95 | 7.93 | 8.06 | 8.18 | 8.33 | 8.31 | 8.34 | 8.43 | 8.57 | 8.66 | 8.69 | -0.9% |
| Metallurgical Coal | 2.60 | 2.60 | 2.58 | 2.60 | 2.61 | 2.61 | 2.60 | 2.58 | 2.59 | 2.60 | 2.61 | 2.63 | 2.64 | 2.65 | -0.4% |
| Other Coal | 2.12 | 2.09 | 2.09 | 2.08 | 2.08 | 2.09 | 2.09 | 2.10 | 2.10 | 2.11 | 2.12 | 2.13 | 2.14 | 2.15 | -0.1% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 22.92 | 23.12 | 23.11 | 23.14 | 23.15 | 23.17 | 23.21 | 23.32 | 23.39 | 23.37 | 23.42 | 23.52 | 23.57 | 23.58 | 0.2% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 47.87 | 48.83 | 49.56 | 50.45 | 51.03 | 51.87 | 52.70 | 53.78 | 54.51 | 55.26 | 56.21 | 57.29 | 58.07 | 58.84 | 1.5% |

Table 15. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 South Atlantic - 05

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Commercial | 36.43 | 37.54 | 38.42 | 39.38 | 40.31 | 41.38 | 42.51 | 43.80 | 44.96 | 46.03 | 47.31 | 48.76 | 50.04 | 51.29 | 2.6% |
| Industrial | 23.53 | 23.71 | 24.02 | 24.42 | 24.65 | 25.04 | 25.19 | 25.63 | 25.86 | 26.18 | 26.63 | 27.11 | 27.42 | 27.76 | 0.5% |
| Transportation | 86.37 | 88.44 | 92.01 | 93.81 | 96.37 | 99.96 | 100.82 | 104.05 | 107.40 | 108.75 | 112.25 | 116.10 | 118.71 | 122.36 | 1.5% |
| Total Non-Renewable Expenditures | 194.19 | 198.53 | 204.00 | 208.06 | 212.36 | 218.25 | 221.21 | 227.26 | 232.73 | 236.21 | 242.40 | 249.25 | 254.24 | 260.25 | 1.6% |
| Transportation Renewable Expenditures | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.09 | 0.10 | 11.8% |
| Total Expenditures | 194.21 | 198.55 | 204.03 | 208.09 | 212.40 | 218.29 | 221.26 | 227.31 | 232.79 | 236.28 | 242.48 | 249.33 | 254.33 | 260.35 | 1.6% |

Table 15. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
South Atlantic - 05

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 16. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
East South Central - 06

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 18.87 | 20.42 | 22.69 | 25.27 | 25.22 | 24.63 | 24.34 | 23.85 | 23.68 | 23.55 | 23.58 | 23.50 | 23.62 |
| Distillate Fuel Oil | 13.25 | 15.72 | 17.93 | 17.51 | 17.88 | 16.64 | 15.56 | 14.35 | 13.38 | 12.48 | 12.31 | 12.37 | 12.38 |
| Natural Gas | 11.33 | 13.47 | 13.25 | 11.96 | 11.89 | 11.35 | 11.10 | 10.62 | 10.47 | 10.38 | 10.42 | 10.35 | 10.48 |
| Electricity | 21.57 | 21.75 | 24.53 | 24.65 | 24.48 | 24.50 | 24.49 | 24.18 | 23.69 | 23.42 | 23.27 | 23.18 | 23.27 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.10 | 12.31 | 14.29 | 14.94 | 14.58 | 13.47 | 12.68 | 11.80 | 11.03 | 10.46 | 10.27 | 10.34 | 10.43 |
| Residual Fuel Oil | 6.08 | 8.19 | 9.84 | 12.71 | 13.08 | 12.36 | 11.85 | 11.46 | 11.06 | 10.84 | 10.66 | 10.70 | 10.71 |
| Natural Gas | 9.84 | 11.90 | 11.59 | 10.52 | 10.42 | 9.84 | 9.57 | 9.07 | 8.90 | 8.76 | 8.78 | 8.69 | 8.79 |
| Electricity | 20.85 | 21.07 | 22.09 | 22.17 | 22.16 | 22.24 | 22.29 | 21.95 | 21.49 | 21.21 | 21.11 | 21.07 | 21.24 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 13.26 | 16.93 | 19.04 | 19.88 | 19.83 | 19.24 | 18.95 | 18.46 | 18.29 | 18.16 | 18.19 | 18.11 | 18.23 |
| Distillate Fuel Oil | 10.78 | 13.06 | 15.15 | 15.23 | 14.54 | 13.55 | 13.03 | 12.56 | 11.94 | 11.61 | 11.41 | 11.48 | 11.63 |
| Residual Fuel Oil | 5.81 | 7.81 | 9.38 | 12.71 | 13.08 | 12.36 | 11.85 | 11.46 | 11.06 | 10.84 | 10.66 | 10.70 | 10.71 |
| Natural Gas 2/ | 6.64 | 8.51 | 7.49 | 7.52 | 7.48 | 6.91 | 6.63 | 6.15 | 6.00 | 5.87 | 5.89 | 5.82 | 5.93 |
| Metallurgical Coal | 2.10 | 2.80 | 2.93 | 2.99 | 2.98 | 2.88 | 2.78 | 2.68 | 2.58 | 2.49 | 2.48 | 2.46 | 2.46 |
| Other Industrial Coal | 2.11 | 2.47 | 2.55 | 2.55 | 2.56 | 2.53 | 2.54 | 2.51 | 2.50 | 2.49 | 2.48 | 2.47 | 2.45 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 12.24 | 12.81 | 15.66 | 16.23 | 16.34 | 16.39 | 16.33 | 15.88 | 15.45 | 15.23 | 15.14 | 15.12 | 15.24 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 20.13 | 25.09 | 26.89 | 23.78 | 23.77 | 23.21 | 25.26 | 24.76 | 24.59 | 24.46 | 24.48 | 24.40 | 24.51 |
| Motor Gasoline 5/ Jet Fuel 6/ | 15.11 | 18.39 | 20.79 | 20.59 | 19.39 | 18.26 | 17.46 | 16.82 | 16.43 | 16.13 | 15.65 | 15.62 | 15.62 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 8.99 | 13.26 | 14.57 | 12.52 | 11.39 | 10.75 | 10.38 | 9.97 | 9.71 | 9.70 | 9.56 | 9.62 | 9.73 |
| Natural Gas 8/ Electricity | 12.98 | 16.86 | 19.11 | 19.29 | 17.94 | 16.90 | 16.35 | 15.60 | 15.01 | 14.76 | 14.53 | 14.58 | 14.72 |
| | 4.11 | 4.65 | 5.22 | 9.55 | 9.98 | 9.31 | 8.75 | 8.32 | 7.92 | 7.79 | 7.61 | 7.69 | 7.70 |
| | 15.14 | 17.81 | 14.47 | 14.71 | 14.55 | 14.69 | 16.51 | 15.98 | 15.76 | 15.57 | 15.49 | 15.39 | 15.43 |
| | 20.04 | 19.50 | 19.79 | 19.63 | 19.63 | 19.67 | 19.71 | 19.40 | 18.98 | 18.72 | 18.60 | 18.53 | 18.63 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.49 | 11.49 | 13.34 | 14.43 | 14.80 | 13.56 | 12.48 | 11.27 | 10.30 | 9.40 | 9.22 | 9.29 | 9.30 |
| Residual Fuel Oil | 4.04 | 5.60 | 6.22 | 7.07 | 7.44 | 6.80 | 6.31 | 5.93 | 5.57 | 5.41 | 5.24 | 5.30 | 5.31 |
| Natural Gas | 6.20 | 9.18 | 6.90 | 7.01 | 6.97 | 6.39 | 6.11 | 5.65 | 5.54 | 5.39 | 5.42 | 5.37 | 5.49 |
| Steam Coal | 1.54 | 1.74 | 1.83 | 1.86 | 1.86 | 1.85 | 1.85 | 1.79 | 1.75 | 1.72 | 1.70 | 1.68 | 1.67 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 15.92 | 18.61 | 20.75 | 22.40 | 22.33 | 21.74 | 21.53 | 21.04 | 20.88 | 20.74 | 20.77 | 20.69 | 20.80 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 27.67 | 25.94 | 23.70 | 20.60 | 19.85 | 19.64 | 19.52 | 19.32 | 19.41 | 19.48 |
| Motor Gasoline 5/ Jet Fuel | 15.10 | 18.34 | 20.74 | 20.59 | 19.39 | 18.26 | 17.46 | 16.82 | 16.43 | 16.13 | 15.65 | 15.62 | 15.62 |
| Distillate Fuel Oil | 8.99 | 13.26 | 14.57 | 12.52 | 11.39 | 10.75 | 10.38 | 9.97 | 9.71 | 9.70 | 9.56 | 9.62 | 9.73 |
| Residual Fuel Oil | 12.48 | 15.97 | 18.13 | 18.21 | 17.14 | 16.12 | 15.52 | 14.76 | 14.20 | 14.03 | 13.80 | 13.86 | 14.00 |
| Natural Gas | 4.15 | 5.44 | 6.13 | 9.74 | 10.13 | 9.45 | 8.90 | 8.47 | 8.02 | 7.86 | 6.77 | 7.77 | 6.94 |
| Metallurgical Coal | 7.83 | 10.05 | 9.02 | 8.61 | 8.43 | 7.83 | 7.54 | 7.13 | 6.85 | 6.74 | 6.79 | 6.73 | 6.82 |
| Other Coal | 2.10 | 2.80 | 2.93 | 2.99 | 2.98 | 2.88 | 2.78 | 2.68 | 2.58 | 2.49 | 2.46 | 2.46 | 2.46 |
| Coal to Liquids | 1.59 | 1.79 | 1.87 | 1.91 | 1.91 | 1.89 | 1.90 | 1.84 | 1.79 | 1.77 | 1.75 | 1.73 | 1.71 |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | 17.67 | 18.10 | 20.46 | 20.79 | 20.79 | 20.85 | 20.85 | 20.49 | 20.05 | 19.80 | 19.70 | 19.65 | 19.79 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 11.27 | 12.28 | 13.24 | 13.39 | 13.50 | 13.46 | 13.53 | 13.39 | 13.29 | 13.21 | 13.26 | 13.29 | 13.48 |

Table 16. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 East South Central - 06

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Commercial | 7.46 | 8.04 | 8.23 | 8.29 | 8.57 | 8.63 | 8.73 | 8.70 | 8.70 | 8.76 | 8.91 | 9.05 | 9.30 |
| Industrial | 14.14 | 14.69 | 15.91 | 16.27 | 16.10 | 15.71 | 15.38 | 14.80 | 14.43 | 14.26 | 14.24 | 14.24 | 14.47 |
| Transportation | 25.90 | 32.61 | 37.34 | 37.12 | 35.11 | 33.47 | 32.53 | 31.66 | 31.24 | 31.20 | 30.84 | 31.25 | 31.78 |
| Total Non-Renewable Expenditures | 58.76 | 67.62 | 74.72 | 75.06 | 73.28 | 71.27 | 70.17 | 68.55 | 67.65 | 67.44 | 67.24 | 67.84 | 69.03 |
| Transportation Renewable Expenditures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Expenditures | 58.76 | 67.62 | 74.72 | 75.06 | 73.28 | 71.27 | 70.17 | 68.55 | 67.65 | 67.44 | 67.25 | 67.85 | 69.03 |

Table 16. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
East South Central - 06

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 23.82 | 23.82 | 23.84 | 23.90 | 23.86 | 23.97 | 24.09 | 24.24 | 24.21 | 24.24 | 24.33 | 24.44 | 24.51 | 24.53 | 0.7% |
| Distillate Fuel Oil | 12.52 | 12.61 | 12.85 | 12.96 | 13.07 | 13.23 | 13.20 | 13.35 | 13.38 | 13.46 | 13.58 | 13.66 | 13.80 | 13.87 | -0.5% |
| Natural Gas | 10.72 | 10.74 | 10.78 | 10.85 | 10.84 | 10.97 | 11.10 | 11.28 | 11.27 | 11.31 | 11.42 | 11.55 | 11.64 | 11.67 | -0.6% |
| Electricity | 23.42 | 23.53 | 23.48 | 23.45 | 23.42 | 23.37 | 23.31 | 23.36 | 23.39 | 23.35 | 23.38 | 23.42 | 23.49 | 23.51 | 0.3% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.49 | 10.58 | 10.85 | 10.95 | 11.06 | 11.28 | 11.11 | 11.29 | 11.44 | 11.45 | 11.63 | 11.82 | 11.89 | 12.02 | -0.1% |
| Residual Fuel Oil | 10.86 | 10.87 | 11.08 | 11.14 | 11.28 | 11.42 | 11.32 | 11.47 | 11.49 | 11.58 | 11.63 | 11.69 | 11.81 | 11.86 | 1.5% |
| Natural Gas | 8.99 | 8.98 | 8.99 | 9.03 | 8.99 | 9.09 | 9.19 | 9.34 | 9.30 | 9.31 | 9.39 | 9.50 | 9.55 | 9.55 | -0.9% |
| Electricity | 21.44 | 21.62 | 21.63 | 21.68 | 21.66 | 21.64 | 21.60 | 21.69 | 21.72 | 21.69 | 21.72 | 21.78 | 21.82 | 21.82 | 0.1% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 18.43 | 18.43 | 18.45 | 18.51 | 18.47 | 18.58 | 18.69 | 18.85 | 18.82 | 18.85 | 18.93 | 19.05 | 19.12 | 19.14 | 0.5% |
| Distillate Fuel Oil | 11.64 | 11.73 | 12.02 | 12.10 | 12.21 | 12.49 | 12.21 | 12.40 | 12.65 | 12.62 | 12.83 | 13.11 | 13.13 | 13.29 | 0.1% |
| Residual Fuel Oil | 10.86 | 10.87 | 11.08 | 11.14 | 11.28 | 11.42 | 11.32 | 11.47 | 11.49 | 11.58 | 11.63 | 11.69 | 11.81 | 11.86 | 1.7% |
| Natural Gas 2/ | 6.14 | 6.13 | 6.14 | 6.20 | 6.17 | 6.28 | 6.38 | 6.54 | 6.51 | 6.53 | 6.62 | 6.73 | 6.80 | 6.81 | -0.9% |
| Metallurgical Coal | 2.47 | 2.46 | 2.46 | 2.47 | 2.49 | 2.49 | 2.48 | 2.46 | 2.47 | 2.48 | 2.49 | 2.51 | 2.52 | 2.54 | -0.4% |
| Other Industrial Coal | 2.45 | 2.43 | 2.42 | 2.42 | 2.41 | 2.41 | 2.41 | 2.42 | 2.42 | 2.43 | 2.43 | 2.44 | 2.44 | 2.45 | 0.0% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 15.42 | 15.55 | 15.56 | 15.60 | 15.60 | 15.59 | 15.59 | 15.66 | 15.67 | 15.64 | 15.65 | 15.69 | 15.73 | 15.73 | 0.8% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 24.72 | 24.71 | 24.72 | 24.77 | 24.73 | 24.84 | 24.95 | 25.10 | 25.07 | 25.09 | 25.17 | 25.29 | 25.35 | 25.36 | 0.0% |
| Motor Gasoline 5/ Jet Fuel 6/ | 19.74 | 19.71 | 19.95 | 19.94 | 19.95 | 20.39 | 20.29 | 20.30 | 20.56 | 20.41 | 20.64 | 20.73 | 20.73 | 20.80 | -0.4% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 15.78 | 15.86 | 16.21 | 16.18 | 16.31 | 16.59 | 16.47 | 16.67 | 16.84 | 16.67 | 16.84 | 17.05 | 17.11 | 17.30 | -0.2% |
| Natural Gas 8/ Electricity | 9.80 | 9.92 | 10.19 | 10.27 | 10.38 | 10.63 | 10.52 | 10.65 | 10.80 | 10.78 | 10.99 | 11.23 | 11.32 | 11.43 | -0.6% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 14.68 | 14.75 | 15.02 | 15.08 | 15.17 | 15.43 | 15.09 | 15.26 | 15.53 | 15.46 | 15.66 | 15.94 | 15.93 | 16.08 | -0.2% |
| Natural Gas 8/ Electricity | 7.82 | 7.87 | 8.08 | 8.15 | 8.26 | 8.38 | 8.35 | 8.51 | 8.52 | 8.63 | 8.67 | 8.72 | 8.81 | 8.87 | 2.6% |
| Natural Gas 8/ Electricity | 15.57 | 15.53 | 15.55 | 15.56 | 15.51 | 15.61 | 15.64 | 15.75 | 15.73 | 15.69 | 15.76 | 15.85 | 15.89 | 15.90 | -0.5% |
| Electricity | 18.77 | 18.88 | 18.84 | 18.86 | 18.80 | 18.76 | 18.71 | 18.77 | 18.76 | 18.71 | 18.71 | 18.74 | 18.76 | 18.75 | -0.2% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.44 | 9.53 | 9.77 | 9.88 | 9.99 | 10.15 | 10.12 | 10.27 | 10.30 | 10.38 | 10.50 | 10.58 | 10.72 | 10.79 | -0.3% |
| Residual Fuel Oil | 5.43 | 5.46 | 5.65 | 5.71 | 5.83 | 5.95 | 5.89 | 6.03 | 6.05 | 6.14 | 6.18 | 6.23 | 6.32 | 6.38 | 0.5% |
| Natural Gas | 5.67 | 5.65 | 5.65 | 5.71 | 5.66 | 5.74 | 5.81 | 5.96 | 5.93 | 5.95 | 6.04 | 6.14 | 6.21 | 6.23 | -1.5% |
| Steam Coal | 1.66 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.66 | 1.67 | 1.68 | 1.71 | 1.73 | 1.75 | 1.76 | 1.77 | 0.1% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases E85 4/ | 21.01 | 21.01 | 21.01 | 21.07 | 21.03 | 21.13 | 21.24 | 21.40 | 21.35 | 21.37 | 21.45 | 21.56 | 21.62 | 21.62 | 0.6% |
| Motor Gasoline 5/ Jet Fuel | 19.74 | 19.71 | 19.95 | 19.94 | 19.95 | 20.39 | 20.29 | 20.30 | 20.56 | 20.41 | 20.64 | 20.73 | 20.73 | 20.80 | -0.4% |
| Distillate Fuel Oil Residual Fuel Oil | 15.78 | 15.86 | 16.21 | 16.18 | 16.31 | 16.59 | 16.47 | 16.67 | 16.84 | 16.67 | 16.84 | 17.05 | 17.11 | 17.30 | -0.2% |
| Natural Gas Metallurgical Coal | 9.80 | 9.92 | 10.19 | 10.27 | 10.38 | 10.63 | 10.52 | 10.65 | 10.80 | 10.78 | 10.99 | 11.23 | 11.32 | 11.43 | -0.6% |
| Distillate Fuel Oil Residual Fuel Oil | 13.98 | 14.06 | 14.34 | 14.40 | 14.50 | 14.76 | 14.44 | 14.63 | 14.88 | 14.83 | 15.04 | 15.32 | 15.32 | 15.49 | -0.1% |
| Natural Gas Metallurgical Coal | 7.36 | 7.56 | 8.15 | 8.23 | 8.40 | 8.52 | 8.49 | 8.58 | 8.66 | 8.76 | 8.81 | 8.44 | 8.95 | 9.01 | 2.0% |
| Natural Gas Metallurgical Coal | 7.04 | 7.06 | 7.10 | 7.15 | 7.14 | 7.28 | 7.45 | 7.62 | 7.58 | 7.62 | 7.72 | 7.84 | 7.91 | 7.93 | -0.9% |
| Metallurgical Coal Other Coal | 2.47 | 2.46 | 2.46 | 2.47 | 2.49 | 2.49 | 2.48 | 2.46 | 2.47 | 2.48 | 2.49 | 2.51 | 2.52 | 2.54 | -0.4% |
| Other Coal Coal to Liquids | 1.71 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.70 | 1.71 | 1.72 | 1.74 | 1.75 | 1.78 | 1.79 | 1.80 | 0.0% |
| Coal to Liquids Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 19.97 | 20.13 | 20.13 | 20.16 | 20.14 | 20.12 | 20.10 | 20.18 | 20.20 | 20.17 | 20.19 | 20.24 | 20.30 | 20.31 | 0.5% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 13.65 | 13.79 | 13.87 | 14.00 | 14.02 | 14.12 | 14.20 | 14.37 | 14.43 | 14.50 | 14.61 | 14.77 | 14.86 | 14.94 | 0.8% |

Table 16. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 East South Central - 06

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Commercial | 9.57 | 9.80 | 9.99 | 10.20 | 10.37 | 10.58 | 10.79 | 11.06 | 11.28 | 11.49 | 11.75 | 12.03 | 12.29 | 12.54 | 1.8% |
| Industrial | 14.70 | 14.81 | 15.00 | 15.24 | 15.37 | 15.61 | 15.72 | 16.00 | 16.13 | 16.33 | 16.61 | 16.90 | 17.10 | 17.31 | 0.7% |
| Transportation | 32.36 | 32.89 | 33.96 | 34.39 | 35.05 | 36.08 | 36.07 | 36.93 | 37.84 | 38.04 | 38.97 | 40.02 | 40.61 | 41.54 | 1.0% |
| Total Non-Renewable Expenditures | 70.28 | 71.30 | 72.82 | 73.83 | 74.82 | 76.39 | 76.78 | 78.36 | 79.67 | 80.35 | 81.95 | 83.72 | 84.86 | 86.32 | 1.0% |
| Transportation Renewable Expenditures | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 11.7% |
| Total Expenditures | 70.29 | 71.30 | 72.83 | 73.84 | 74.83 | 76.40 | 76.79 | 78.37 | 79.68 | 80.37 | 81.97 | 83.74 | 84.88 | 86.35 | 1.0% |

Table 16. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
East South Central - 06

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 17. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
West South Central - 07

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 19.13 | 20.42 | 22.69 | 25.04 | 24.90 | 24.23 | 23.89 | 23.40 | 23.22 | 23.09 | 23.10 | 23.04 | 23.17 |
| Distillate Fuel Oil | 11.70 | 13.91 | 15.85 | 16.53 | 16.91 | 15.69 | 14.61 | 13.41 | 12.44 | 11.67 | 11.57 | 11.63 | 11.61 |
| Natural Gas | 10.59 | 12.37 | 13.00 | 11.76 | 11.69 | 11.12 | 10.87 | 10.38 | 10.22 | 10.13 | 10.18 | 10.10 | 10.24 |
| Electricity | 27.41 | 29.42 | 28.51 | 27.52 | 27.16 | 26.52 | 25.94 | 25.24 | 25.54 | 25.51 | 25.46 | 25.33 | 25.50 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.03 | 12.23 | 14.20 | 15.02 | 14.58 | 13.48 | 12.71 | 11.86 | 11.09 | 10.59 | 10.44 | 10.50 | 10.57 |
| Residual Fuel Oil | 5.17 | 6.96 | 8.36 | 12.67 | 13.04 | 12.33 | 11.82 | 11.42 | 11.07 | 10.83 | 10.64 | 10.71 | 10.70 |
| Natural Gas | 8.58 | 10.46 | 10.45 | 9.37 | 9.27 | 8.66 | 8.39 | 7.88 | 7.71 | 7.59 | 7.61 | 7.53 | 7.64 |
| Electricity | 22.82 | 24.70 | 25.51 | 25.09 | 25.11 | 24.60 | 24.06 | 23.27 | 23.45 | 23.37 | 23.34 | 23.28 | 23.51 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 10.46 | 16.93 | 19.04 | 16.81 | 16.67 | 16.01 | 15.67 | 15.17 | 15.00 | 14.87 | 14.87 | 14.81 | 14.94 |
| Distillate Fuel Oil | 10.63 | 12.86 | 14.92 | 15.16 | 14.21 | 13.23 | 12.76 | 12.36 | 11.74 | 11.43 | 11.24 | 11.31 | 11.45 |
| Residual Fuel Oil | 5.22 | 7.02 | 8.42 | 12.67 | 13.04 | 12.33 | 11.82 | 11.42 | 11.07 | 10.83 | 10.64 | 10.71 | 10.70 |
| Natural Gas 2/ | 6.00 | 7.80 | 6.96 | 6.79 | 6.66 | 6.02 | 5.69 | 5.21 | 5.04 | 4.92 | 4.92 | 4.87 | 4.99 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 1.38 | 1.79 | 1.81 | 1.84 | 1.83 | 1.81 | 1.82 | 1.81 | 1.80 | 1.79 | 1.80 | 1.83 | 1.83 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 16.89 | 19.35 | 19.14 | 18.97 | 18.87 | 18.31 | 17.68 | 16.80 | 16.67 | 16.55 | 16.50 | 16.44 | 16.62 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 19.76 | 24.95 | 27.26 | 22.57 | 22.47 | 21.84 | 23.85 | 23.34 | 23.16 | 23.03 | 23.03 | 22.97 | 23.09 |
| Motor Gasoline 5/ Jet Fuel 6/ | 14.82 | 18.27 | 20.93 | 20.35 | 19.04 | 17.91 | 17.12 | 16.49 | 16.10 | 15.80 | 15.31 | 15.30 | 15.30 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 8.81 | 13.03 | 14.71 | 12.43 | 11.31 | 10.68 | 10.26 | 9.81 | 9.51 | 9.47 | 9.30 | 9.33 | 9.40 |
| Natural Gas 8/ Electricity | 12.94 | 16.80 | 19.04 | 19.05 | 17.65 | 16.62 | 16.09 | 15.37 | 14.78 | 14.54 | 14.30 | 14.36 | 14.49 |
| | 4.77 | 5.42 | 7.13 | 9.25 | 9.73 | 9.02 | 8.51 | 8.12 | 7.75 | 7.50 | 7.31 | 7.40 | 7.40 |
| | 12.53 | 15.13 | 12.48 | 12.79 | 12.62 | 12.70 | 14.36 | 13.83 | 13.60 | 13.41 | 13.30 | 13.21 | 13.26 |
| | 21.44 | 21.45 | 22.00 | 22.18 | 22.21 | 21.84 | 21.52 | 20.98 | 21.22 | 21.17 | 21.15 | 21.06 | 21.26 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.35 | 11.32 | 13.14 | 13.46 | 13.85 | 12.62 | 11.55 | 10.34 | 9.38 | 8.61 | 8.51 | 8.56 | 8.54 |
| Residual Fuel Oil | 5.42 | 7.55 | 8.49 | 11.99 | 12.39 | 11.73 | 11.26 | 10.90 | 10.57 | 10.34 | 10.17 | 10.24 | 10.24 |
| Natural Gas | 6.06 | 8.06 | 6.91 | 7.06 | 7.07 | 6.49 | 6.23 | 5.78 | 5.63 | 5.50 | 5.55 | 5.52 | 5.65 |
| Steam Coal | 1.12 | 1.24 | 1.41 | 1.42 | 1.44 | 1.44 | 1.45 | 1.44 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 10.77 | 17.06 | 19.17 | 17.10 | 16.96 | 16.30 | 15.98 | 15.49 | 15.32 | 15.20 | 15.21 | 15.16 | 15.29 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 27.38 | 25.61 | 23.38 | 20.29 | 19.53 | 19.33 | 19.20 | 19.01 | 19.09 | 19.17 |
| Motor Gasoline 5/ Jet Fuel | 14.80 | 18.21 | 20.87 | 20.35 | 19.04 | 17.91 | 17.12 | 16.49 | 16.10 | 15.80 | 15.31 | 15.30 | 15.30 |
| Distillate Fuel Oil | 8.81 | 13.03 | 14.71 | 12.43 | 11.31 | 10.68 | 10.26 | 9.81 | 9.51 | 9.47 | 9.30 | 9.33 | 9.40 |
| Residual Fuel Oil | 12.48 | 16.01 | 18.15 | 18.14 | 16.90 | 15.89 | 15.33 | 14.63 | 14.10 | 13.93 | 13.72 | 13.78 | 13.93 |
| Natural Gas | 4.93 | 5.91 | 7.31 | 9.60 | 10.05 | 9.33 | 8.81 | 8.41 | 8.03 | 7.78 | 7.59 | 7.67 | 7.67 |
| | 6.46 | 8.36 | 7.49 | 7.33 | 7.26 | 6.65 | 6.34 | 5.89 | 5.73 | 5.61 | 5.62 | 5.59 | 5.72 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Coal | 1.13 | 1.26 | 1.42 | 1.44 | 1.46 | 1.45 | 1.46 | 1.45 | 1.45 | 1.44 | 1.45 | 1.46 | 1.46 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 22.61 | 24.85 | 24.78 | 24.11 | 23.97 | 23.43 | 22.87 | 22.13 | 22.28 | 22.22 | 22.19 | 22.11 | 22.32 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 22.02 | 24.63 | 24.92 | 24.42 | 24.65 | 24.38 | 24.32 | 24.02 | 24.60 | 24.83 | 25.12 | 25.33 | 25.91 |

Table 17. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 West South Central - 07

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Commercial | 15.13 | 17.67 | 18.31 | 18.16 | 18.78 | 18.64 | 18.53 | 18.24 | 18.62 | 18.83 | 19.11 | 19.34 | 19.85 |
| Industrial | 59.23 | 66.75 | 69.69 | 73.28 | 71.45 | 68.41 | 65.81 | 62.54 | 61.43 | 60.82 | 60.92 | 60.54 | 61.53 |
| Transportation | 53.13 | 68.65 | 79.40 | 77.43 | 73.32 | 70.33 | 68.94 | 67.34 | 66.63 | 66.83 | 66.34 | 67.56 | 69.03 |
| Total Non-Renewable Expenditures | 149.51 | 177.70 | 192.33 | 193.30 | 188.20 | 181.76 | 177.60 | 172.14 | 171.27 | 171.31 | 171.48 | 172.77 | 176.31 |
| Transportation Renewable Expenditures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Total Expenditures | 149.52 | 177.70 | 192.33 | 193.30 | 188.21 | 181.77 | 177.61 | 172.14 | 171.28 | 171.31 | 171.49 | 172.78 | 176.32 |

Table 17. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
West South Central - 07

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 23.35 | 23.37 | 23.38 | 23.42 | 23.40 | 23.51 | 23.62 | 23.77 | 23.72 | 23.76 | 23.85 | 23.93 | 24.00 | 24.03 | 0.7% |
| Distillate Fuel Oil | 11.78 | 11.87 | 12.05 | 12.15 | 12.26 | 12.41 | 12.38 | 12.54 | 12.58 | 12.67 | 12.88 | 12.92 | 13.12 | 13.14 | -0.2% |
| Natural Gas | 10.48 | 10.50 | 10.54 | 10.60 | 10.59 | 10.72 | 10.85 | 11.02 | 11.01 | 11.05 | 11.15 | 11.28 | 11.36 | 11.38 | -0.3% |
| Electricity | 25.92 | 26.23 | 26.15 | 26.23 | 26.23 | 26.20 | 26.23 | 26.37 | 26.41 | 26.33 | 26.28 | 26.04 | 26.31 | 26.35 | -0.4% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.66 | 10.75 | 10.98 | 11.07 | 11.18 | 11.40 | 11.23 | 11.41 | 11.57 | 11.59 | 11.81 | 11.98 | 12.08 | 12.18 | 0.0% |
| Residual Fuel Oil | 10.83 | 10.86 | 11.05 | 11.13 | 11.29 | 11.36 | 11.26 | 11.41 | 11.45 | 11.56 | 11.60 | 11.62 | 11.74 | 11.79 | 2.1% |
| Natural Gas | 7.84 | 7.84 | 7.85 | 7.91 | 7.87 | 7.97 | 8.08 | 8.23 | 8.19 | 8.22 | 8.29 | 8.40 | 8.46 | 8.47 | -0.8% |
| Electricity | 24.01 | 24.39 | 24.37 | 24.53 | 24.55 | 24.53 | 24.56 | 24.72 | 24.76 | 24.68 | 24.62 | 24.32 | 24.56 | 24.59 | 0.0% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 15.12 | 15.14 | 15.16 | 15.19 | 15.17 | 15.29 | 15.39 | 15.55 | 15.49 | 15.54 | 15.62 | 15.71 | 15.78 | 15.81 | -0.3% |
| Distillate Fuel Oil | 11.47 | 11.56 | 11.84 | 11.92 | 12.03 | 12.30 | 12.03 | 12.22 | 12.46 | 12.44 | 12.66 | 12.93 | 12.96 | 13.11 | 0.1% |
| Residual Fuel Oil | 10.83 | 10.86 | 11.05 | 11.13 | 11.29 | 11.36 | 11.26 | 11.41 | 11.45 | 11.56 | 11.60 | 11.62 | 11.74 | 11.79 | 2.1% |
| Natural Gas 2/ | 5.17 | 5.19 | 5.20 | 5.23 | 5.21 | 5.32 | 5.43 | 5.57 | 5.52 | 5.57 | 5.65 | 5.73 | 5.79 | 5.83 | -1.2% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 1.84 | 1.86 | 1.88 | 1.88 | 1.90 | 1.91 | 1.91 | 1.93 | 1.95 | 1.96 | 1.97 | 1.99 | 2.00 | 2.01 | 0.5% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 17.02 | 17.30 | 17.31 | 17.46 | 17.47 | 17.48 | 17.55 | 17.71 | 17.77 | 17.72 | 17.71 | 17.59 | 17.77 | 17.81 | -0.3% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 23.27 | 23.28 | 23.29 | 23.32 | 23.30 | 23.41 | 23.51 | 23.66 | 23.60 | 23.64 | 23.72 | 23.81 | 23.87 | 23.90 | -0.2% |
| Motor Gasoline 5/ Jet Fuel 6/ | 15.45 | 15.53 | 15.87 | 15.84 | 15.97 | 16.25 | 16.13 | 16.33 | 16.50 | 16.33 | 16.50 | 16.71 | 16.76 | 16.95 | -0.3% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 9.45 | 9.54 | 9.78 | 9.85 | 9.94 | 10.17 | 10.05 | 10.16 | 10.30 | 10.26 | 10.46 | 10.69 | 10.76 | 10.87 | -0.7% |
| Natural Gas 8/ Electricity | 14.46 | 14.52 | 14.80 | 14.85 | 14.94 | 15.20 | 14.86 | 15.03 | 15.29 | 15.22 | 15.43 | 15.71 | 15.69 | 15.85 | -0.2% |
| | 7.52 | 7.57 | 7.76 | 7.86 | 7.96 | 8.07 | 8.02 | 8.18 | 8.21 | 8.33 | 8.36 | 8.38 | 8.51 | 8.56 | 1.8% |
| | 13.39 | 13.37 | 13.41 | 13.42 | 13.39 | 13.50 | 13.51 | 13.63 | 13.63 | 13.58 | 13.65 | 13.75 | 13.78 | 13.81 | -0.4% |
| | 21.68 | 21.98 | 21.95 | 22.08 | 22.08 | 22.07 | 22.12 | 22.29 | 22.32 | 22.25 | 22.21 | 22.01 | 22.25 | 22.32 | 0.2% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 8.72 | 8.81 | 8.99 | 9.08 | 9.20 | 9.35 | 9.32 | 9.48 | 9.51 | 9.61 | 9.82 | 9.85 | 10.06 | 10.08 | -0.5% |
| Residual Fuel Oil | 10.35 | 10.39 | 10.56 | 10.65 | 10.77 | 10.85 | 10.78 | 10.92 | 10.96 | 11.06 | 11.10 | 11.11 | 11.23 | 11.28 | 1.6% |
| Natural Gas | 5.86 | 5.86 | 5.89 | 5.97 | 5.92 | 6.03 | 6.12 | 6.26 | 6.22 | 6.22 | 6.30 | 6.37 | 6.41 | 6.41 | -0.9% |
| Steam Coal | 1.45 | 1.45 | 1.46 | 1.47 | 1.48 | 1.50 | 1.50 | 1.52 | 1.54 | 1.55 | 1.56 | 1.59 | 1.60 | 1.61 | 1.0% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 15.48 | 15.50 | 15.52 | 15.56 | 15.54 | 15.66 | 15.77 | 15.94 | 15.88 | 15.93 | 16.02 | 16.11 | 16.18 | 16.22 | -0.2% |
| E85 4/ | 19.42 | 19.40 | 19.64 | 19.63 | 19.64 | 20.07 | 19.98 | 19.99 | 20.24 | 20.09 | 20.32 | 20.42 | 20.41 | 20.48 | -0.5% |
| Motor Gasoline 5/ Jet Fuel | 15.45 | 15.53 | 15.87 | 15.84 | 15.97 | 16.25 | 16.13 | 16.33 | 16.50 | 16.33 | 16.50 | 16.71 | 16.76 | 16.95 | -0.3% |
| Distillate Fuel Oil | 9.45 | 9.54 | 9.78 | 9.85 | 9.94 | 10.17 | 10.05 | 10.16 | 10.30 | 10.26 | 10.46 | 10.69 | 10.76 | 10.87 | -0.7% |
| Residual Fuel Oil | 13.91 | 13.98 | 14.26 | 14.32 | 14.42 | 14.68 | 14.37 | 14.55 | 14.81 | 14.75 | 14.96 | 15.25 | 15.24 | 15.40 | -0.2% |
| Natural Gas | 7.80 | 7.84 | 8.02 | 8.12 | 8.22 | 8.33 | 8.28 | 8.44 | 8.47 | 8.58 | 8.62 | 8.64 | 8.77 | 8.82 | 1.6% |
| Metallurgical Coal | 5.90 | 5.93 | 5.94 | 5.98 | 5.97 | 6.08 | 6.18 | 6.33 | 6.26 | 6.31 | 6.39 | 6.46 | 6.52 | 6.55 | -1.0% |
| Other Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Coal to Liquids | 1.46 | 1.47 | 1.48 | 1.48 | 1.50 | 1.51 | 1.52 | 1.53 | 1.56 | 1.57 | 1.58 | 1.60 | 1.61 | 1.62 | 1.0% |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | 22.78 | 23.13 | 23.10 | 23.25 | 23.27 | 23.26 | 23.32 | 23.49 | 23.53 | 23.48 | 23.44 | 23.23 | 23.47 | 23.52 | -0.2% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 26.60 | 27.19 | 27.49 | 28.02 | 28.27 | 28.65 | 29.07 | 29.68 | 30.00 | 30.33 | 30.71 | 30.98 | 31.55 | 31.97 | 1.0% |

Table 17. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 West South Central - 07

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Commercial | 20.56 | 21.13 | 21.45 | 21.94 | 22.32 | 22.76 | 23.25 | 23.86 | 24.33 | 24.75 | 25.23 | 25.53 | 26.27 | 26.81 | 1.7% |
| Industrial | 62.69 | 63.02 | 63.66 | 64.90 | 65.49 | 66.64 | 67.46 | 68.74 | 68.71 | 69.74 | 71.07 | 72.25 | 73.33 | 74.28 | 0.4% |
| Transportation | 70.60 | 72.14 | 74.95 | 76.28 | 78.14 | 80.86 | 81.21 | 83.58 | 86.10 | 87.07 | 89.76 | 92.74 | 94.67 | 97.38 | 1.4% |
| Total Non-Renewable Expenditures | 180.46 | 183.48 | 187.56 | 191.15 | 194.22 | 198.91 | 200.99 | 205.87 | 209.15 | 211.89 | 216.75 | 221.51 | 225.82 | 230.44 | 1.0% |
| Transportation Renewable Expenditures | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 12.2% |
| Total Expenditures | 180.47 | 183.49 | 187.57 | 191.16 | 194.24 | 198.94 | 201.02 | 205.91 | 209.18 | 211.93 | 216.80 | 221.56 | 225.88 | 230.51 | 1.0% |

Table 17. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
West South Central - 07

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 18. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
Mountain - 08

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 17.30 | 17.76 | 19.81 | 23.93 | 23.69 | 23.23 | 22.83 | 22.52 | 22.35 | 22.10 | 22.14 | 22.11 | 22.18 |
| Distillate Fuel Oil | 12.86 | 14.89 | 16.63 | 16.83 | 14.14 | 13.42 | 12.63 | 11.93 | 11.54 | 11.35 | 11.10 | 11.06 | 10.98 |
| Natural Gas | 9.17 | 10.53 | 11.82 | 10.75 | 10.67 | 10.37 | 10.06 | 9.81 | 9.68 | 9.47 | 9.52 | 9.51 | 9.60 |
| Electricity | 24.95 | 25.41 | 26.07 | 26.32 | 26.34 | 25.86 | 25.38 | 24.80 | 24.74 | 25.10 | 25.07 | 25.07 | 25.34 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.86 | 13.83 | 15.48 | 16.43 | 13.53 | 12.74 | 12.03 | 11.30 | 10.81 | 10.76 | 10.44 | 10.46 | 10.50 |
| Residual Fuel Oil | 5.04 | 6.78 | 8.15 | 6.73 | 7.33 | 6.68 | 5.90 | 5.46 | 5.18 | 4.87 | 4.68 | 4.74 | 4.73 |
| Natural Gas | 7.84 | 9.15 | 10.29 | 9.23 | 9.15 | 8.79 | 8.44 | 8.16 | 8.01 | 7.76 | 7.79 | 7.75 | 7.81 |
| Electricity | 21.37 | 21.59 | 22.99 | 23.09 | 23.18 | 22.66 | 22.08 | 21.31 | 21.18 | 21.58 | 21.58 | 21.60 | 21.97 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 15.26 | 16.82 | 18.99 | 21.96 | 21.72 | 21.26 | 20.86 | 20.55 | 20.38 | 20.13 | 20.17 | 20.13 | 20.21 |
| Distillate Fuel Oil | 10.98 | 14.17 | 15.59 | 16.55 | 14.18 | 13.36 | 12.75 | 12.18 | 11.61 | 11.66 | 11.30 | 11.35 | 11.48 |
| Residual Fuel Oil | 5.65 | 7.59 | 9.12 | 6.73 | 7.33 | 6.68 | 5.90 | 5.46 | 5.18 | 4.87 | 4.68 | 4.74 | 4.73 |
| Natural Gas 2/ | 5.98 | 7.71 | 7.79 | 7.51 | 7.25 | 6.82 | 6.43 | 6.13 | 5.97 | 5.73 | 5.76 | 5.74 | 5.80 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 1.41 | 1.73 | 1.73 | 1.73 | 1.73 | 1.71 | 1.73 | 1.71 | 1.69 | 1.67 | 1.67 | 1.68 | 1.69 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.87 | 0.86 | 0.86 | 0.86 | 0.85 | 0.86 |
| Electricity | 15.30 | 16.00 | 17.06 | 17.44 | 17.63 | 17.26 | 16.83 | 16.15 | 15.88 | 15.99 | 15.93 | 15.96 | 16.22 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 19.73 | 24.12 | 24.66 | 22.81 | 22.60 | 22.18 | 24.12 | 23.81 | 23.63 | 23.38 | 23.41 | 23.37 | 23.44 |
| Motor Gasoline 5/ Jet Fuel 6/ | 20.91 | 23.10 | 24.81 | 29.68 | 26.92 | 24.71 | 21.58 | 20.75 | 20.54 | 20.52 | 20.26 | 20.35 | 20.42 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 16.28 | 19.24 | 21.72 | 20.50 | 20.27 | 19.23 | 18.30 | 17.45 | 17.03 | 17.05 | 16.40 | 16.37 | 16.36 |
| Natural Gas 8/ Electricity | 9.55 | 13.43 | 15.39 | 16.70 | 12.74 | 12.21 | 11.62 | 10.92 | 10.55 | 10.80 | 10.42 | 10.42 | 10.47 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 14.15 | 18.33 | 20.79 | 22.82 | 19.04 | 18.10 | 17.43 | 16.48 | 15.84 | 15.91 | 15.50 | 15.56 | 15.69 |
| Natural Gas 8/ Electricity | 5.48 | 6.04 | 7.61 | 7.77 | 8.43 | 7.76 | 7.07 | 6.66 | 6.32 | 6.05 | 5.86 | 5.95 | 5.95 |
| Natural Gas 8/ Electricity | 9.97 | 12.46 | 10.74 | 10.93 | 10.94 | 11.27 | 12.99 | 12.61 | 12.42 | 12.20 | 12.11 | 12.06 | 12.09 |
| Electricity | 22.48 | 21.65 | 20.99 | 21.55 | 21.74 | 21.32 | 20.92 | 20.36 | 20.23 | 20.48 | 20.42 | 20.41 | 20.68 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.66 | 12.46 | 13.71 | 15.30 | 12.61 | 11.90 | 11.10 | 10.41 | 10.02 | 9.82 | 9.57 | 9.54 | 9.46 |
| Residual Fuel Oil | 5.72 | 7.99 | 9.05 | 11.74 | 12.32 | 11.71 | 11.04 | 10.65 | 10.36 | 10.09 | 9.92 | 9.99 | 9.99 |
| Natural Gas | 5.73 | 7.46 | 7.21 | 7.31 | 7.20 | 6.73 | 6.31 | 6.02 | 5.90 | 5.65 | 5.70 | 5.66 | 5.72 |
| Steam Coal | 1.03 | 1.13 | 1.20 | 1.22 | 1.23 | 1.22 | 1.22 | 1.18 | 1.16 | 1.15 | 1.15 | 1.16 | 1.17 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 16.66 | 17.74 | 19.86 | 23.21 | 22.96 | 22.50 | 22.25 | 21.93 | 21.77 | 21.52 | 21.57 | 21.53 | 21.62 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 29.68 | 26.92 | 24.71 | 21.58 | 20.75 | 20.54 | 20.52 | 20.26 | 20.35 | 20.42 |
| Motor Gasoline 5/ Jet Fuel | 16.26 | 19.17 | 21.65 | 20.50 | 20.27 | 19.23 | 18.30 | 17.45 | 17.03 | 17.05 | 16.40 | 16.37 | 16.36 |
| Distillate Fuel Oil | 9.55 | 13.43 | 15.39 | 16.70 | 12.74 | 12.21 | 11.62 | 10.92 | 10.55 | 10.80 | 10.42 | 10.42 | 10.47 |
| Residual Fuel Oil | 13.41 | 17.28 | 19.48 | 21.02 | 17.80 | 16.92 | 16.22 | 15.34 | 14.79 | 14.95 | 14.56 | 14.60 | 14.73 |
| Natural Gas | 5.70 | 7.62 | 9.10 | 6.89 | 7.48 | 6.91 | 6.71 | 5.60 | 5.23 | 4.87 | 4.68 | 4.75 | 4.78 |
| Metallurgical Coal | 6.99 | 8.55 | 8.92 | 8.46 | 8.30 | 7.92 | 7.59 | 7.34 | 7.20 | 6.96 | 7.01 | 7.01 | 7.09 |
| Other Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Coal to Liquids | 1.05 | 1.15 | 1.22 | 1.25 | 1.25 | 1.24 | 1.24 | 1.20 | 1.18 | 1.17 | 1.17 | 1.18 | 1.19 |
| Electricity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.87 | 0.86 | 0.86 | 0.86 | 0.85 | 0.86 |
| Electricity | 20.79 | 21.29 | 22.34 | 22.60 | 22.72 | 22.29 | 21.80 | 21.14 | 21.01 | 21.33 | 21.31 | 21.34 | 21.67 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 10.86 | 11.79 | 12.69 | 12.93 | 13.21 | 13.18 | 13.19 | 13.16 | 13.38 | 13.62 | 13.86 | 14.10 | 14.52 |

Table 18. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 Mountain - 08

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Commercial | 8.22 | 8.77 | 9.80 | 9.82 | 10.04 | 10.03 | 9.99 | 9.94 | 10.13 | 10.48 | 10.74 | 11.00 | 11.43 |
| Industrial | 8.69 | 9.54 | 10.31 | 11.08 | 10.72 | 10.32 | 9.99 | 9.59 | 9.43 | 9.47 | 9.45 | 9.58 | 9.84 |
| Transportation | 27.26 | 33.59 | 38.57 | 39.14 | 36.96 | 35.95 | 35.17 | 34.18 | 33.99 | 34.93 | 34.47 | 35.22 | 36.08 |
| Total Non-Renewable Expenditures | 55.03 | 63.68 | 71.37 | 72.97 | 70.93 | 69.47 | 68.34 | 66.86 | 66.93 | 68.49 | 68.52 | 69.89 | 71.86 |
| Transportation Renewable Expenditures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 |
| Total Expenditures | 55.03 | 63.68 | 71.37 | 72.97 | 70.93 | 69.48 | 68.34 | 66.87 | 66.93 | 68.50 | 68.53 | 69.90 | 71.86 |

Table 18. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
Mountain - 08

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 22.35 | 22.04 | 21.78 | 21.95 | 22.01 | 22.17 | 22.36 | 22.50 | 22.55 | 22.57 | 22.65 | 22.79 | 22.92 | 23.01 | 1.0% |
| Distillate Fuel Oil | 11.22 | 11.33 | 11.59 | 11.62 | 11.77 | 11.86 | 11.79 | 11.89 | 11.87 | 11.92 | 12.09 | 12.17 | 12.32 | 12.28 | -0.8% |
| Natural Gas | 9.79 | 9.51 | 9.26 | 9.43 | 9.52 | 9.69 | 9.91 | 10.05 | 10.13 | 10.17 | 10.26 | 10.42 | 10.58 | 10.69 | 0.1% |
| Electricity | 25.63 | 25.51 | 25.24 | 25.38 | 25.57 | 25.75 | 25.88 | 26.03 | 26.15 | 26.33 | 26.36 | 26.44 | 26.70 | 26.88 | 0.2% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.59 | 10.68 | 10.93 | 10.84 | 10.90 | 11.07 | 10.88 | 11.09 | 11.21 | 11.19 | 11.35 | 11.51 | 11.53 | 11.55 | -0.7% |
| Residual Fuel Oil | 4.87 | 4.90 | 5.08 | 5.17 | 5.33 | 5.39 | 5.29 | 5.45 | 5.48 | 5.59 | 5.63 | 5.65 | 5.77 | 5.82 | -0.6% |
| Natural Gas | 7.96 | 7.65 | 7.38 | 7.53 | 7.59 | 7.73 | 7.91 | 8.03 | 8.08 | 8.09 | 8.15 | 8.29 | 8.41 | 8.49 | -0.3% |
| Electricity | 22.28 | 22.09 | 21.81 | 21.95 | 22.05 | 22.18 | 22.28 | 22.40 | 22.48 | 22.69 | 22.67 | 22.71 | 22.95 | 23.13 | 0.3% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 20.38 | 20.07 | 19.81 | 19.98 | 20.04 | 20.20 | 20.39 | 20.53 | 20.57 | 20.60 | 20.68 | 20.82 | 20.95 | 21.03 | 0.9% |
| Distillate Fuel Oil | 11.46 | 11.54 | 11.80 | 11.61 | 11.61 | 11.82 | 11.54 | 11.84 | 12.07 | 11.99 | 12.15 | 12.36 | 12.28 | 12.36 | -0.5% |
| Residual Fuel Oil | 4.87 | 4.90 | 5.08 | 5.17 | 5.33 | 5.39 | 5.29 | 5.45 | 5.48 | 5.59 | 5.63 | 5.65 | 5.77 | 5.82 | -1.1% |
| Natural Gas 2/ | 5.97 | 5.66 | 5.41 | 5.58 | 5.64 | 5.80 | 5.97 | 6.11 | 6.15 | 6.18 | 6.25 | 6.39 | 6.52 | 6.60 | -0.6% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 1.71 | 1.72 | 1.74 | 1.76 | 1.79 | 1.82 | 1.83 | 1.84 | 1.87 | 1.89 | 1.91 | 1.92 | 1.94 | 1.95 | 0.5% |
| Coal to Liquids | 0.86 | 0.88 | 0.91 | 0.92 | 0.92 | 0.94 | 0.94 | 0.95 | 0.96 | 0.97 | 0.98 | 0.99 | 0.99 | 1.00 | N/A |
| Electricity | 16.47 | 16.41 | 16.17 | 16.23 | 16.34 | 16.45 | 16.59 | 16.72 | 16.79 | 16.90 | 16.91 | 16.99 | 17.20 | 17.33 | 0.3% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 23.61 | 23.29 | 23.03 | 23.20 | 23.26 | 23.41 | 23.59 | 23.73 | 23.77 | 23.79 | 23.87 | 24.01 | 24.13 | 24.21 | 0.0% |
| Motor Gasoline 5/ Jet Fuel 6/ | 16.47 | 16.53 | 16.83 | 16.70 | 16.80 | 17.02 | 16.90 | 17.08 | 17.24 | 17.07 | 17.13 | 17.30 | 17.25 | 17.38 | -0.4% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 10.45 | 10.51 | 10.70 | 10.66 | 10.71 | 10.88 | 10.75 | 10.84 | 10.96 | 10.91 | 11.10 | 11.28 | 11.30 | 11.40 | -0.7% |
| Natural Gas 8/ Electricity | 15.60 | 15.65 | 15.87 | 15.63 | 15.57 | 15.79 | 15.44 | 15.75 | 16.00 | 15.88 | 16.01 | 16.23 | 16.09 | 16.17 | -0.5% |
| | 6.07 | 6.12 | 6.31 | 6.40 | 6.50 | 6.62 | 6.57 | 6.72 | 6.76 | 6.87 | 6.91 | 6.93 | 7.05 | 7.10 | 0.7% |
| | 12.21 | 11.95 | 11.77 | 11.85 | 11.90 | 12.04 | 12.14 | 12.25 | 12.29 | 12.26 | 12.30 | 12.42 | 12.49 | 12.56 | 0.0% |
| | 20.93 | 20.80 | 20.51 | 20.61 | 20.75 | 20.87 | 20.99 | 21.12 | 21.17 | 21.30 | 21.27 | 21.32 | 21.51 | 21.63 | 0.0% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.70 | 9.81 | 10.06 | 10.09 | 10.24 | 10.33 | 10.27 | 10.36 | 10.34 | 10.40 | 10.56 | 10.64 | 10.80 | 10.75 | -0.6% |
| Residual Fuel Oil | 10.10 | 10.14 | 10.31 | 10.39 | 10.51 | 10.59 | 10.53 | 10.67 | 10.70 | 10.81 | 10.84 | 10.86 | 10.97 | 11.02 | 1.3% |
| Natural Gas | 5.88 | 5.58 | 5.31 | 5.45 | 5.48 | 5.62 | 5.78 | 5.89 | 5.92 | 5.93 | 6.00 | 6.14 | 6.27 | 6.36 | -0.6% |
| Steam Coal | 1.18 | 1.19 | 1.21 | 1.25 | 1.30 | 1.34 | 1.36 | 1.39 | 1.41 | 1.44 | 1.46 | 1.48 | 1.50 | 1.52 | 1.2% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 21.79 | 21.48 | 21.23 | 21.41 | 21.48 | 21.64 | 21.78 | 21.88 | 21.76 | 22.05 | 22.04 | 22.12 | 22.04 | 22.08 | 0.9% |
| E85 4/ | 20.66 | 20.62 | 20.85 | 20.81 | 20.81 | 21.22 | 21.13 | 21.13 | 21.38 | 21.23 | 21.42 | 21.50 | 21.46 | 21.50 | -0.3% |
| Motor Gasoline 5/ Jet Fuel | 16.47 | 16.53 | 16.83 | 16.70 | 16.80 | 17.02 | 16.90 | 17.08 | 17.24 | 17.07 | 17.13 | 17.30 | 17.25 | 17.38 | -0.4% |
| Distillate Fuel Oil | 10.45 | 10.51 | 10.70 | 10.66 | 10.71 | 10.88 | 10.75 | 10.84 | 10.96 | 10.91 | 11.10 | 11.28 | 11.30 | 11.40 | -0.7% |
| Residual Fuel Oil | 14.66 | 14.72 | 14.96 | 14.73 | 14.69 | 14.91 | 14.59 | 14.88 | 15.13 | 15.02 | 15.16 | 15.38 | 15.26 | 15.35 | -0.5% |
| Natural Gas | 4.92 | 4.95 | 5.14 | 5.23 | 5.38 | 5.45 | 5.35 | 5.51 | 5.54 | 5.66 | 5.69 | 5.71 | 5.84 | 5.88 | -1.0% |
| | 7.28 | 6.96 | 6.68 | 6.87 | 7.03 | 7.24 | 7.48 | 7.70 | 7.77 | 7.85 | 7.96 | 8.15 | 8.29 | 8.39 | -0.1% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Coal | 1.19 | 1.21 | 1.23 | 1.26 | 1.32 | 1.35 | 1.37 | 1.40 | 1.43 | 1.45 | 1.47 | 1.49 | 1.51 | 1.53 | 1.1% |
| Coal to Liquids | 0.86 | 0.88 | 0.91 | 0.92 | 0.92 | 0.94 | 0.94 | 0.95 | 0.96 | 0.97 | 0.98 | 0.99 | 0.99 | 1.00 | N/A |
| Electricity | 21.96 | 21.85 | 21.60 | 21.74 | 21.88 | 22.03 | 22.16 | 22.30 | 22.39 | 22.57 | 22.57 | 22.64 | 22.87 | 23.03 | 0.3% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 14.92 | 15.01 | 15.08 | 15.53 | 15.85 | 16.25 | 16.64 | 17.06 | 17.37 | 17.74 | 18.06 | 18.48 | 18.88 | 19.27 | 2.0% |

Table 18. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 Mountain - 08

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|
| Commercial | 11.87 | 12.01 | 12.14 | 12.57 | 12.96 | 13.39 | 13.83 | 14.27 | 14.70 | 15.18 | 15.58 | 16.06 | 16.65 | 17.20 | 2.7% |
| Industrial | 10.05 | 10.03 | 10.06 | 10.26 | 10.46 | 10.73 | 10.94 | 11.26 | 11.59 | 11.68 | 11.95 | 12.26 | 12.67 | 12.99 | 1.2% |
| Transportation | 36.93 | 37.80 | 39.24 | 39.70 | 40.67 | 42.09 | 42.49 | 43.94 | 45.42 | 46.03 | 47.32 | 48.91 | 49.74 | 51.15 | 1.7% |
| Total Non-Renewable Expenditures | 73.76 | 74.85 | 76.53 | 78.06 | 79.94 | 82.46 | 83.90 | 86.54 | 89.07 | 90.62 | 92.91 | 95.71 | 97.94 | 100.60 | 1.8% |
| Transportation Renewable Expenditures | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 11.6% |
| Total Expenditures | 73.77 | 74.86 | 76.54 | 78.07 | 79.96 | 82.48 | 83.91 | 86.56 | 89.10 | 90.65 | 92.94 | 95.74 | 97.97 | 100.63 | 1.8% |

Table 18. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
Mountain - 08

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 19. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
Pacific - 09

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 21.12 | 21.47 | 23.86 | 26.17 | 26.24 | 25.81 | 25.46 | 25.18 | 25.07 | 24.76 | 24.81 | 24.77 | 24.83 |
| Distillate Fuel Oil | 13.14 | 16.37 | 18.28 | 17.55 | 17.08 | 16.44 | 15.12 | 14.35 | 13.45 | 12.50 | 12.64 | 12.55 | 12.66 |
| Natural Gas | 9.81 | 11.49 | 12.36 | 11.32 | 11.26 | 10.84 | 10.50 | 10.24 | 10.15 | 9.87 | 9.92 | 9.89 | 9.95 |
| Electricity | 31.29 | 30.22 | 28.91 | 29.34 | 29.06 | 28.69 | 28.25 | 27.59 | 27.05 | 26.77 | 26.65 | 26.74 | 26.92 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 11.66 | 13.28 | 15.14 | 15.95 | 15.39 | 14.88 | 14.09 | 13.31 | 12.50 | 12.07 | 11.60 | 11.58 | 11.94 |
| Residual Fuel Oil | 6.02 | 8.12 | 9.73 | 13.40 | 13.44 | 13.36 | 12.65 | 12.24 | 11.81 | 11.53 | 11.49 | 11.52 | 11.44 |
| Natural Gas | 8.63 | 10.18 | 11.21 | 10.20 | 10.11 | 9.70 | 9.40 | 9.15 | 9.04 | 8.73 | 8.77 | 8.73 | 8.77 |
| Electricity | 30.59 | 30.03 | 27.30 | 26.79 | 26.57 | 26.07 | 25.48 | 24.74 | 24.16 | 23.81 | 23.64 | 23.68 | 23.80 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 16.80 | 17.43 | 19.28 | 22.18 | 22.25 | 21.83 | 21.47 | 21.19 | 21.08 | 20.78 | 20.82 | 20.78 | 20.84 |
| Distillate Fuel Oil | 12.18 | 13.63 | 15.80 | 16.06 | 15.26 | 14.87 | 14.53 | 13.93 | 13.19 | 13.15 | 12.23 | 12.26 | 12.79 |
| Residual Fuel Oil | 5.93 | 7.98 | 9.58 | 13.40 | 13.44 | 13.36 | 12.65 | 12.24 | 11.81 | 11.53 | 11.49 | 11.52 | 11.44 |
| Natural Gas 2/ | 6.52 | 7.46 | 7.36 | 7.32 | 7.41 | 7.00 | 6.66 | 6.39 | 6.28 | 5.98 | 6.03 | 5.99 | 6.04 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 1.83 | 2.24 | 2.35 | 2.39 | 2.40 | 2.38 | 2.42 | 2.39 | 2.39 | 2.36 | 2.36 | 2.37 | 2.39 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 22.76 | 21.64 | 20.09 | 20.22 | 20.20 | 19.89 | 19.55 | 18.99 | 18.56 | 18.32 | 18.21 | 18.28 | 18.43 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 19.11 | 21.68 | 30.09 | 21.60 | 21.70 | 21.32 | 23.30 | 23.02 | 22.91 | 22.59 | 22.64 | 22.59 | 22.64 |
| Motor Gasoline 5/ Jet Fuel 6/ | 20.91 | 23.10 | 24.81 | 28.82 | 27.29 | 25.35 | 22.45 | 21.68 | 21.54 | 21.31 | 21.17 | 21.24 | 21.40 |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 17.23 | 19.25 | 21.64 | 21.66 | 20.24 | 19.64 | 19.11 | 18.40 | 18.14 | 17.72 | 17.35 | 17.29 | 17.45 |
| Natural Gas 8/ Electricity | 9.72 | 13.18 | 15.12 | 13.07 | 12.05 | 12.05 | 11.90 | 11.18 | 10.84 | 10.79 | 10.57 | 10.64 | 10.89 |
| | 14.80 | 18.54 | 20.28 | 20.00 | 19.49 | 19.09 | 18.73 | 17.74 | 17.00 | 17.10 | 15.96 | 15.99 | 16.57 |
| | 5.07 | 5.74 | 7.73 | 9.98 | 9.99 | 9.77 | 9.14 | 8.84 | 8.42 | 8.14 | 8.06 | 8.09 | 8.03 |
| | 10.09 | 12.79 | 10.69 | 10.97 | 10.87 | 11.21 | 12.83 | 12.47 | 12.33 | 12.02 | 11.95 | 11.90 | 11.96 |
| | 27.48 | 26.31 | 25.00 | 25.12 | 24.91 | 24.39 | 23.83 | 23.08 | 22.47 | 22.10 | 21.91 | 21.95 | 22.07 |
| Electric Power 9/ | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.72 | 12.00 | 13.91 | 14.87 | 14.40 | 13.76 | 12.44 | 11.67 | 10.77 | 9.82 | 9.96 | 9.87 | 9.98 |
| Residual Fuel Oil | 5.86 | 8.17 | 9.20 | 12.59 | 12.61 | 12.47 | 11.85 | 11.53 | 11.14 | 10.88 | 10.82 | 10.86 | 10.79 |
| Natural Gas | 5.59 | 7.18 | 6.98 | 7.18 | 7.11 | 6.69 | 6.30 | 6.07 | 6.01 | 5.71 | 5.77 | 5.73 | 5.77 |
| Steam Coal | 1.58 | 1.59 | 1.80 | 1.83 | 1.86 | 1.86 | 1.82 | 1.80 | 1.79 | 1.79 | 1.80 | 1.81 | 1.81 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 18.93 | 19.64 | 22.34 | 23.78 | 23.94 | 23.52 | 23.58 | 23.30 | 23.20 | 22.89 | 22.95 | 22.91 | 22.98 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 28.82 | 27.29 | 25.35 | 22.45 | 21.68 | 21.54 | 21.31 | 21.17 | 21.24 | 21.40 |
| Motor Gasoline 5/ Jet Fuel | 17.22 | 19.23 | 21.62 | 21.66 | 20.24 | 19.64 | 19.11 | 18.40 | 18.14 | 17.72 | 17.35 | 17.29 | 17.45 |
| Distillate Fuel Oil | 9.72 | 13.18 | 15.12 | 13.07 | 12.05 | 12.05 | 11.90 | 11.18 | 10.84 | 10.79 | 10.57 | 10.64 | 10.89 |
| Residual Fuel Oil | 14.40 | 17.83 | 19.58 | 19.38 | 18.79 | 18.39 | 17.97 | 17.05 | 16.37 | 16.47 | 15.41 | 15.44 | 16.01 |
| Natural Gas | 5.17 | 6.04 | 8.11 | 10.77 | 10.79 | 10.61 | 10.00 | 9.64 | 9.24 | 8.97 | 8.89 | 8.95 | 8.92 |
| | 7.20 | 8.63 | 8.85 | 8.58 | 8.56 | 8.15 | 7.85 | 7.61 | 7.49 | 7.19 | 7.24 | 7.21 | 7.27 |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Coal | 1.64 | 1.74 | 1.92 | 1.96 | 1.99 | 1.98 | 1.96 | 1.94 | 1.93 | 1.92 | 1.93 | 1.94 | 1.95 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 29.11 | 28.22 | 26.27 | 26.19 | 26.03 | 25.62 | 25.15 | 24.48 | 23.95 | 23.64 | 23.50 | 23.57 | 23.72 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 22.62 | 23.65 | 24.17 | 24.00 | 24.33 | 24.10 | 23.94 | 23.68 | 23.66 | 23.47 | 23.69 | 23.95 | 24.40 |

Table 19. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 Pacific - 09

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Commercial | 20.37 | 21.23 | 20.21 | 19.90 | 20.43 | 20.30 | 20.11 | 19.89 | 19.82 | 19.82 | 20.04 | 20.36 | 20.78 |
| Industrial | 17.46 | 17.49 | 17.45 | 18.38 | 18.35 | 17.90 | 17.46 | 16.96 | 16.56 | 16.39 | 16.34 | 16.50 | 16.83 |
| Transportation | 68.66 | 81.20 | 92.44 | 91.82 | 87.67 | 86.98 | 86.42 | 83.91 | 83.17 | 83.26 | 81.89 | 83.03 | 85.66 |
| Total Non-Renewable Expenditures | 129.10 | 143.57 | 154.27 | 154.11 | 150.78 | 149.28 | 147.93 | 144.44 | 143.20 | 142.93 | 141.96 | 143.84 | 147.67 |
| Transportation Renewable Expenditures | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 |
| Total Expenditures | 129.11 | 143.57 | 154.28 | 154.11 | 150.79 | 149.29 | 147.94 | 144.45 | 143.22 | 142.95 | 141.98 | 143.86 | 147.69 |

Table 19. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
Pacific - 09

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 25.01 | 24.77 | 24.60 | 24.76 | 24.74 | 24.88 | 25.05 | 25.10 | 25.13 | 25.16 | 25.25 | 25.39 | 25.51 | 25.59 | 0.7% |
| Distillate Fuel Oil | 12.78 | 12.95 | 13.29 | 13.42 | 13.56 | 13.90 | 13.86 | 13.92 | 14.29 | 14.39 | 14.57 | 14.75 | 14.94 | 15.01 | -0.3% |
| Natural Gas | 10.15 | 9.93 | 9.76 | 9.91 | 9.93 | 10.06 | 10.25 | 10.31 | 10.37 | 10.41 | 10.51 | 10.66 | 10.80 | 10.89 | -0.2% |
| Electricity | 27.13 | 27.13 | 26.94 | 26.95 | 27.06 | 27.14 | 27.13 | 27.19 | 27.26 | 27.30 | 27.30 | 27.38 | 27.51 | 27.60 | -0.4% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 12.05 | 12.23 | 12.65 | 12.57 | 12.69 | 13.09 | 13.05 | 13.12 | 13.49 | 13.50 | 13.67 | 14.04 | 14.00 | 14.32 | 0.3% |
| Residual Fuel Oil | 11.61 | 11.57 | 11.61 | 11.80 | 11.84 | 12.00 | 12.23 | 12.32 | 12.32 | 12.55 | 12.87 | 12.64 | 13.14 | 12.77 | 1.8% |
| Natural Gas | 8.93 | 8.71 | 8.54 | 8.68 | 8.66 | 8.77 | 8.93 | 8.96 | 8.99 | 9.02 | 9.09 | 9.22 | 9.32 | 9.71 | -0.2% |
| Electricity | 23.97 | 23.92 | 23.68 | 23.67 | 23.74 | 23.79 | 23.72 | 23.75 | 23.79 | 23.81 | 23.77 | 23.85 | 23.93 | 23.97 | -0.9% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 21.02 | 20.78 | 20.61 | 20.77 | 20.75 | 20.89 | 21.06 | 21.11 | 21.14 | 21.17 | 21.26 | 21.40 | 21.53 | 21.60 | 0.9% |
| Distillate Fuel Oil | 12.91 | 13.09 | 13.58 | 13.34 | 13.44 | 13.89 | 13.84 | 13.92 | 14.30 | 14.24 | 14.41 | 14.91 | 14.70 | 15.19 | 0.4% |
| Residual Fuel Oil | 11.61 | 11.57 | 11.61 | 11.80 | 11.84 | 12.00 | 12.23 | 12.32 | 12.32 | 12.55 | 12.87 | 12.64 | 13.14 | 12.77 | 1.9% |
| Natural Gas 2/ | 6.23 | 5.99 | 5.82 | 5.98 | 5.96 | 6.10 | 6.25 | 6.30 | 6.34 | 6.37 | 6.45 | 6.59 | 6.71 | 6.78 | -0.4% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Industrial Coal | 2.41 | 2.43 | 2.46 | 2.51 | 2.59 | 2.63 | 2.66 | 2.68 | 2.70 | 2.72 | 2.74 | 2.77 | 2.79 | 2.81 | 0.9% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 18.59 | 18.59 | 18.43 | 18.43 | 18.51 | 18.56 | 18.44 | 18.51 | 18.56 | 18.58 | 18.58 | 18.66 | 18.76 | 18.83 | -0.6% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ | 22.82 | 22.57 | 22.40 | 22.56 | 22.53 | 22.67 | 22.83 | 22.88 | 22.91 | 22.93 | 23.02 | 23.16 | 23.27 | 23.35 | 0.3% |
| E85 4/ | 21.58 | 21.58 | 21.85 | 21.85 | 21.85 | 22.36 | 22.25 | 22.21 | 22.62 | 22.44 | 22.65 | 22.87 | 22.73 | 22.95 | 0.0% |
| Motor Gasoline 5/ | 17.47 | 17.58 | 17.98 | 17.94 | 18.03 | 18.46 | 18.31 | 18.39 | 18.90 | 18.67 | 18.76 | 19.21 | 18.95 | 19.43 | 0.0% |
| Jet Fuel 6/ | 10.97 | 11.15 | 11.63 | 11.40 | 11.46 | 11.95 | 11.90 | 12.03 | 12.36 | 12.27 | 12.39 | 12.86 | 12.65 | 13.25 | 0.0% |
| Distillate Fuel Oil 7/ | 16.66 | 16.81 | 17.30 | 16.98 | 17.05 | 17.49 | 17.42 | 17.48 | 17.80 | 17.70 | 17.86 | 18.40 | 18.11 | 18.65 | 0.0% |
| Residual Fuel Oil | 8.11 | 8.07 | 7.78 | 8.19 | 8.35 | 8.50 | 8.75 | 8.85 | 8.82 | 9.12 | 9.45 | 9.21 | 9.72 | 9.34 | 2.0% |
| Natural Gas 8/ | 12.08 | 11.94 | 11.92 | 12.00 | 12.01 | 12.20 | 12.25 | 12.30 | 12.45 | 12.39 | 12.46 | 12.66 | 12.65 | 12.82 | 0.0% |
| Electricity | 22.22 | 22.15 | 21.90 | 21.88 | 21.93 | 21.97 | 21.79 | 21.82 | 21.84 | 21.84 | 21.79 | 21.84 | 21.91 | 21.94 | -0.7% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.10 | 10.27 | 10.61 | 10.74 | 10.89 | 11.22 | 11.18 | 11.24 | 11.61 | 11.71 | 11.89 | 12.07 | 12.26 | 12.33 | 0.1% |
| Residual Fuel Oil | 10.90 | 10.86 | 10.74 | 11.02 | 11.12 | 11.26 | 11.48 | 11.57 | 11.55 | 11.80 | 12.10 | 11.88 | 12.34 | 12.00 | 1.5% |
| Natural Gas | 5.92 | 5.67 | 5.47 | 5.59 | 5.57 | 5.68 | 5.82 | 5.83 | 5.85 | 5.86 | 5.93 | 6.05 | 6.15 | 6.22 | -0.6% |
| Steam Coal | 1.81 | 1.79 | 1.81 | 1.80 | 1.81 | 1.82 | 1.83 | 1.84 | 1.86 | 1.88 | 1.90 | 1.92 | 1.93 | 1.93 | 0.8% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 23.17 | 22.93 | 22.76 | 22.93 | 22.92 | 23.06 | 23.23 | 23.29 | 23.32 | 23.35 | 23.44 | 23.59 | 23.71 | 23.78 | 0.8% |
| E85 4/ | 21.58 | 21.58 | 21.85 | 21.85 | 21.85 | 22.36 | 22.25 | 22.21 | 22.62 | 22.44 | 22.65 | 22.87 | 22.73 | 22.95 | 0.0% |
| Motor Gasoline 5/ | 17.47 | 17.58 | 17.98 | 17.94 | 18.03 | 18.46 | 18.31 | 18.39 | 18.90 | 18.67 | 18.76 | 19.21 | 18.95 | 19.43 | 0.0% |
| Jet Fuel | 10.97 | 11.15 | 11.63 | 11.40 | 11.46 | 11.95 | 11.90 | 12.03 | 12.36 | 12.27 | 12.39 | 12.86 | 12.65 | 13.25 | 0.0% |
| Distillate Fuel Oil | 16.10 | 16.27 | 16.75 | 16.45 | 16.53 | 16.98 | 16.92 | 16.98 | 17.34 | 17.25 | 17.41 | 17.94 | 17.66 | 18.19 | 0.1% |
| Residual Fuel Oil | 9.02 | 8.99 | 8.77 | 9.14 | 9.28 | 9.43 | 9.69 | 9.78 | 9.77 | 10.06 | 10.38 | 10.16 | 10.66 | 10.30 | 2.2% |
| Natural Gas | 7.48 | 7.26 | 7.14 | 7.30 | 7.26 | 7.42 | 7.58 | 7.64 | 7.70 | 7.75 | 7.86 | 8.01 | 8.12 | 8.25 | -0.2% |
| Metallurgical Coal | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other Coal | 1.95 | 1.91 | 1.93 | 1.94 | 1.96 | 1.98 | 1.99 | 2.00 | 2.03 | 2.05 | 2.06 | 2.09 | 2.09 | 2.10 | 0.8% |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Electricity | 23.90 | 23.88 | 23.68 | 23.68 | 23.75 | 23.81 | 23.75 | 23.80 | 23.84 | 23.86 | 23.84 | 23.91 | 24.01 | 24.06 | -0.6% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 24.85 | 24.93 | 24.98 | 25.45 | 25.70 | 26.13 | 26.53 | 26.95 | 27.25 | 27.58 | 27.93 | 28.43 | 28.80 | 29.17 | 0.8% |

Table 19. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 Pacific - 09

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Commercial | 21.29 | 21.50 | 21.64 | 22.05 | 22.46 | 22.93 | 23.32 | 23.75 | 24.21 | 24.65 | 25.09 | 25.65 | 26.20 | 26.83 | 0.9% |
| Industrial | 17.21 | 17.18 | 17.22 | 17.52 | 17.83 | 18.35 | 18.74 | 19.08 | 19.72 | 19.99 | 20.59 | 21.20 | 21.67 | 22.24 | 1.0% |
| Transportation | 87.14 | 89.09 | 92.62 | 93.25 | 95.06 | 98.98 | 99.85 | 101.89 | 106.01 | 106.75 | 109.23 | 113.75 | 114.13 | 119.10 | 1.5% |
| Total Non-Renewable Expenditures | 150.48 | 152.69 | 156.46 | 158.26 | 161.05 | 166.39 | 168.44 | 171.68 | 177.20 | 178.97 | 182.83 | 189.03 | 190.80 | 197.34 | 1.3% |
| Transportation Renewable Expenditures | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.07 | 0.08 | 0.09 | 0.10 | 11.8% |
| Total Expenditures | 150.50 | 152.72 | 156.49 | 158.29 | 161.08 | 166.43 | 168.49 | 171.73 | 177.26 | 179.03 | 182.91 | 189.12 | 190.89 | 197.44 | 1.3% |

Table 19. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
Pacific - 09

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 2/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 20. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
United States

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Residential | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 18.21 | 19.29 | 21.16 | 24.54 | 24.49 | 23.96 | 23.67 | 23.26 | 23.11 | 22.91 | 22.94 | 22.88 | 22.98 |
| Distillate Fuel Oil | 12.89 | 14.73 | 16.91 | 17.45 | 16.91 | 15.84 | 14.87 | 14.03 | 13.36 | 12.60 | 12.52 | 12.60 | 12.63 |
| Natural Gas | 10.72 | 12.43 | 13.04 | 11.83 | 11.74 | 11.25 | 10.98 | 10.59 | 10.44 | 10.25 | 10.29 | 10.24 | 10.33 |
| Electricity | 27.10 | 27.59 | 27.64 | 27.49 | 27.37 | 27.15 | 26.91 | 26.51 | 26.28 | 26.17 | 26.04 | 25.99 | 26.09 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.48 | 12.68 | 14.63 | 15.32 | 14.44 | 13.45 | 12.72 | 11.98 | 11.34 | 10.85 | 10.67 | 10.73 | 10.87 |
| Residual Fuel Oil | 6.25 | 8.41 | 10.10 | 7.88 | 7.80 | 7.68 | 7.54 | 7.06 | 6.92 | 5.99 | 6.31 | 6.49 | 6.45 |
| Natural Gas | 9.40 | 11.20 | 11.38 | 10.27 | 10.16 | 9.63 | 9.34 | 8.92 | 8.75 | 8.54 | 8.55 | 8.48 | 8.55 |
| Electricity | 24.59 | 25.25 | 25.74 | 25.34 | 25.27 | 24.92 | 24.50 | 23.86 | 23.59 | 23.44 | 23.31 | 23.33 | 23.48 |
| Industrial 1/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 11.18 | 16.96 | 18.96 | 17.51 | 17.39 | 16.75 | 16.42 | 15.94 | 15.77 | 15.62 | 15.63 | 15.57 | 15.68 |
| Distillate Fuel Oil | 10.99 | 13.08 | 15.14 | 15.44 | 14.29 | 13.42 | 12.95 | 12.48 | 11.88 | 11.64 | 11.35 | 11.40 | 11.63 |
| Residual Fuel Oil | 5.77 | 7.77 | 9.34 | 9.88 | 10.08 | 9.79 | 9.50 | 8.78 | 8.47 | 8.04 | 7.98 | 8.21 | 8.41 |
| Natural Gas 2/ | 6.47 | 8.16 | 7.45 | 7.36 | 7.29 | 6.74 | 6.43 | 6.02 | 5.87 | 5.68 | 5.69 | 5.65 | 5.74 |
| Metallurgical Coal | 2.31 | 3.06 | 3.25 | 3.30 | 3.29 | 3.19 | 3.09 | 2.99 | 2.89 | 2.79 | 2.74 | 2.72 | 2.71 |
| Other Industrial Coal | 1.80 | 2.15 | 2.20 | 2.24 | 2.25 | 2.24 | 2.26 | 2.25 | 2.23 | 2.21 | 2.21 | 2.20 | 2.19 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.89 | 0.88 | 0.88 | 0.89 | 0.89 |
| Electricity | 15.88 | 16.69 | 18.26 | 18.77 | 18.85 | 18.52 | 18.01 | 17.25 | 16.79 | 16.59 | 16.47 | 16.46 | 16.61 |
| Transportation | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 19.68 | 23.92 | 26.81 | 22.71 | 22.76 | 22.27 | 24.34 | 23.93 | 23.76 | 23.54 | 23.56 | 23.49 | 23.56 |
| Motor Gasoline 5/ | 20.91 | 23.10 | 24.81 | 27.77 | 26.00 | 24.27 | 21.29 | 20.53 | 20.34 | 20.20 | 20.01 | 20.09 | 20.20 |
| Jet Fuel 6/ | 15.72 | 18.64 | 21.15 | 20.96 | 19.72 | 18.69 | 17.90 | 17.23 | 16.86 | 16.57 | 16.09 | 16.06 | 16.11 |
| Distillate Fuel Oil 7/ | 9.22 | 13.14 | 14.96 | 12.99 | 11.72 | 11.26 | 10.91 | 10.37 | 10.06 | 10.03 | 9.84 | 9.89 | 10.03 |
| Residual Fuel Oil | 13.58 | 17.52 | 19.79 | 19.71 | 18.21 | 17.31 | 16.81 | 16.00 | 15.39 | 15.21 | 14.82 | 14.86 | 15.12 |
| Natural Gas 8/ | 4.85 | 5.51 | 7.16 | 8.82 | 9.05 | 8.60 | 8.05 | 7.69 | 7.34 | 7.10 | 6.97 | 7.04 | 7.03 |
| Electricity | 11.91 | 14.76 | 11.98 | 12.28 | 12.14 | 12.32 | 13.97 | 13.51 | 13.29 | 13.04 | 12.94 | 12.86 | 12.89 |
| Electric Power 9/ | 26.10 | 25.22 | 26.12 | 25.63 | 25.75 | 25.39 | 24.86 | 24.32 | 24.13 | 23.98 | 23.79 | 23.81 | 23.88 |
| Distillate Fuel Oil | 9.52 | 11.38 | 13.24 | 14.26 | 13.77 | 12.70 | 11.71 | 10.78 | 10.03 | 9.29 | 9.20 | 9.26 | 9.28 |
| Residual Fuel Oil | 4.99 | 6.96 | 7.85 | 7.19 | 7.29 | 6.99 | 6.58 | 6.21 | 5.90 | 5.46 | 5.45 | 5.60 | 5.63 |
| Natural Gas | 6.11 | 8.18 | 6.97 | 7.12 | 7.07 | 6.53 | 6.22 | 5.83 | 5.69 | 5.50 | 5.54 | 5.50 | 5.60 |
| Steam Coal | 1.40 | 1.53 | 1.67 | 1.69 | 1.70 | 1.70 | 1.71 | 1.67 | 1.64 | 1.62 | 1.61 | 1.60 | 1.59 |
| Average Price to All Users 10/ | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 12.69 | 17.48 | 19.46 | 19.00 | 18.88 | 18.29 | 18.02 | 17.57 | 17.42 | 17.27 | 17.29 | 17.24 | 17.36 |
| E85 4/ | 20.91 | 23.10 | 24.81 | 27.77 | 26.00 | 24.27 | 21.29 | 20.53 | 20.34 | 20.20 | 20.01 | 20.09 | 20.20 |
| Motor Gasoline 5/ | 15.71 | 18.60 | 21.11 | 20.96 | 19.72 | 18.69 | 17.90 | 17.23 | 16.86 | 16.56 | 16.08 | 16.06 | 16.11 |
| Jet Fuel | 9.22 | 13.14 | 14.96 | 12.99 | 11.72 | 11.26 | 10.91 | 10.37 | 10.06 | 10.03 | 9.84 | 9.89 | 10.03 |
| Distillate Fuel Oil | 12.91 | 16.22 | 18.42 | 18.44 | 17.20 | 16.30 | 15.70 | 14.92 | 14.36 | 14.18 | 13.86 | 13.92 | 14.15 |
| Residual Fuel Oil | 5.10 | 6.59 | 7.92 | 8.25 | 8.41 | 8.06 | 7.61 | 7.19 | 6.87 | 6.45 | 6.41 | 6.55 | 6.57 |
| Natural Gas | 7.83 | 9.65 | 9.14 | 8.76 | 8.66 | 8.13 | 7.83 | 7.44 | 7.29 | 7.09 | 7.12 | 7.06 | 7.15 |
| Metallurgical Coal | 2.31 | 3.06 | 3.25 | 3.30 | 3.29 | 3.19 | 3.09 | 2.99 | 2.89 | 2.79 | 2.74 | 2.72 | 2.71 |
| Other Coal | 1.43 | 1.57 | 1.71 | 1.73 | 1.74 | 1.73 | 1.74 | 1.70 | 1.67 | 1.66 | 1.65 | 1.63 | 1.63 |
| Coal to Liquids | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.89 | 0.88 | 0.88 | 0.89 | 0.89 |
| Electricity | 23.01 | 23.73 | 24.38 | 24.32 | 24.30 | 24.02 | 23.66 | 23.09 | 22.80 | 22.66 | 22.55 | 22.55 | 22.69 |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | |
| Residential | 195.99 | 215.13 | 218.81 | 221.30 | 223.50 | 221.10 | 220.44 | 218.08 | 218.46 | 217.85 | 219.40 | 221.00 | 224.59 |
| Commercial | 141.78 | 154.38 | 157.85 | 156.07 | 159.31 | 158.54 | 157.97 | 156.35 | 157.31 | 158.59 | 160.74 | 163.37 | 167.21 |
| Industrial | 184.23 | 196.07 | 205.40 | 217.88 | 214.15 | 207.11 | 200.48 | 191.81 | 187.29 | 184.92 | 184.25 | 184.11 | 186.81 |

Table 20. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 United States

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Transportation | 385.00 | 474.66 | 545.72 | 538.79 | 508.11 | 488.45 | 476.38 | 463.41 | 458.16 | 458.57 | 452.79 | 459.42 | 469.74 |
| Total Non-Renewable Expenditures | 907.00 | 1040.25 | 1127.78 | 1134.03 | 1105.07 | 1075.20 | 1055.27 | 1029.66 | 1021.22 | 1019.93 | 1017.18 | 1027.91 | 1048.35 |
| Transportation Renewable Expenditures | 0.02 | 0.03 | 0.05 | 0.04 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.08 | 0.08 | 0.09 | 0.10 |
| Total Expenditures | 907.02 | 1040.29 | 1127.82 | 1134.07 | 1105.12 | 1075.25 | 1055.33 | 1029.74 | 1021.30 | 1020.01 | 1017.26 | 1028.00 | 1048.45 |

Table 20. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
United States

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Residential | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 23.19 | 23.13 | 23.09 | 23.18 | 23.15 | 23.29 | 23.42 | 23.54 | 23.53 | 23.56 | 23.65 | 23.78 | 23.87 | 23.91 | 0.9% |
| Distillate Fuel Oil | 12.74 | 12.83 | 13.05 | 13.15 | 13.26 | 13.42 | 13.36 | 13.51 | 13.56 | 13.63 | 13.80 | 13.90 | 14.06 | 14.13 | -0.2% |
| Natural Gas | 10.56 | 10.49 | 10.44 | 10.54 | 10.54 | 10.67 | 10.83 | 10.95 | 10.97 | 11.02 | 11.12 | 11.26 | 11.37 | 11.43 | -0.3% |
| Electricity | 26.30 | 26.45 | 26.36 | 26.37 | 26.42 | 26.42 | 26.46 | 26.56 | 26.61 | 26.56 | 26.57 | 26.61 | 26.74 | 26.76 | -0.1% |
| Commercial | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 10.93 | 11.02 | 11.29 | 11.35 | 11.46 | 11.69 | 11.51 | 11.68 | 11.85 | 11.86 | 12.05 | 12.25 | 12.33 | 12.45 | -0.1% |
| Residual Fuel Oil | 6.59 | 6.70 | 6.99 | 7.07 | 7.24 | 7.40 | 7.24 | 7.38 | 7.17 | 7.30 | 7.40 | 7.46 | 7.24 | 7.31 | -0.6% |
| Natural Gas | 8.74 | 8.66 | 8.60 | 8.67 | 8.64 | 8.75 | 8.87 | 8.97 | 8.96 | 8.98 | 9.05 | 9.17 | 9.25 | 9.30 | -0.7% |
| Electricity | 23.75 | 23.94 | 23.89 | 23.95 | 24.00 | 24.01 | 24.08 | 24.20 | 24.23 | 24.18 | 24.16 | 24.21 | 24.29 | 24.27 | -0.2% |
| Industrial 1/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 15.87 | 15.87 | 15.86 | 15.91 | 15.88 | 15.99 | 16.11 | 16.25 | 16.22 | 16.23 | 16.32 | 16.42 | 16.51 | 16.55 | -0.1% |
| Distillate Fuel Oil | 11.63 | 11.74 | 12.06 | 12.04 | 12.14 | 12.42 | 12.17 | 12.36 | 12.62 | 12.58 | 12.79 | 13.07 | 13.06 | 13.25 | 0.1% |
| Residual Fuel Oil | 8.56 | 8.61 | 8.81 | 8.91 | 9.07 | 9.21 | 9.15 | 9.29 | 9.26 | 9.38 | 9.50 | 9.50 | 9.61 | 9.58 | 0.8% |
| Natural Gas 2/ | 5.92 | 5.88 | 5.84 | 5.90 | 5.89 | 6.00 | 6.12 | 6.24 | 6.21 | 6.25 | 6.33 | 6.43 | 6.51 | 6.56 | -0.9% |
| Metallurgical Coal | 2.71 | 2.70 | 2.69 | 2.71 | 2.72 | 2.72 | 2.71 | 2.69 | 2.70 | 2.70 | 2.72 | 2.73 | 2.74 | 2.75 | -0.4% |
| Other Industrial Coal | 2.19 | 2.18 | 2.18 | 2.18 | 2.20 | 2.21 | 2.21 | 2.22 | 2.23 | 2.24 | 2.25 | 2.27 | 2.27 | 2.29 | 0.2% |
| Coal to Liquids | 0.90 | 0.91 | 0.95 | 0.97 | 1.01 | 1.03 | 1.03 | 1.12 | 1.23 | 1.27 | 1.28 | 1.33 | 1.33 | 1.33 | N/A |
| Electricity | 16.85 | 17.02 | 17.00 | 17.07 | 17.13 | 17.14 | 17.21 | 17.33 | 17.35 | 17.31 | 17.30 | 17.33 | 17.43 | 17.43 | 0.2% |
| Transportation | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases 3/ E85 4/ | 23.75 | 23.65 | 23.58 | 23.66 | 23.63 | 23.74 | 23.87 | 23.97 | 23.95 | 23.98 | 24.06 | 24.17 | 24.26 | 24.29 | 0.1% |
| Motor Gasoline 5/ Jet Fuel 6/ | 20.43 | 20.41 | 20.62 | 20.61 | 20.62 | 21.07 | 20.97 | 20.96 | 21.26 | 21.10 | 21.32 | 21.44 | 21.40 | 21.50 | -0.3% |
| Distillate Fuel Oil 7/ Residual Fuel Oil | 16.24 | 16.32 | 16.67 | 16.63 | 16.75 | 17.05 | 16.92 | 17.10 | 17.32 | 17.14 | 17.29 | 17.53 | 17.53 | 17.76 | -0.2% |
| Natural Gas 8/ Electricity | 10.09 | 10.21 | 10.52 | 10.51 | 10.59 | 10.89 | 10.79 | 10.91 | 11.10 | 11.05 | 11.23 | 11.52 | 11.51 | 11.75 | -0.4% |
| | 15.08 | 15.16 | 15.48 | 15.42 | 15.49 | 15.77 | 15.47 | 15.64 | 15.91 | 15.83 | 16.03 | 16.33 | 16.26 | 16.47 | -0.2% |
| | 7.12 | 7.14 | 7.17 | 7.36 | 7.49 | 7.65 | 7.68 | 7.85 | 7.90 | 8.04 | 8.18 | 8.12 | 8.38 | 8.27 | 1.6% |
| | 13.03 | 12.95 | 12.95 | 12.98 | 12.95 | 13.08 | 13.11 | 13.20 | 13.22 | 13.18 | 13.24 | 13.36 | 13.40 | 13.45 | -0.4% |
| | 24.07 | 24.26 | 24.18 | 24.22 | 24.25 | 24.22 | 24.31 | 24.43 | 24.47 | 24.39 | 24.35 | 24.40 | 24.48 | 24.46 | -0.1% |
| Electric Power 9/ | | | | | | | | | | | | | | | |
| Distillate Fuel Oil | 9.44 | 9.54 | 9.75 | 9.84 | 9.96 | 10.11 | 10.08 | 10.22 | 10.25 | 10.32 | 10.49 | 10.57 | 10.74 | 10.79 | -0.2% |
| Residual Fuel Oil | 5.74 | 5.81 | 6.01 | 6.08 | 6.23 | 6.42 | 6.32 | 6.53 | 6.58 | 6.64 | 6.73 | 6.75 | 6.85 | 6.85 | -0.1% |
| Natural Gas | 5.79 | 5.72 | 5.67 | 5.76 | 5.73 | 5.84 | 5.95 | 6.06 | 6.05 | 6.07 | 6.15 | 6.25 | 6.31 | 6.33 | -1.0% |
| Steam Coal | 1.59 | 1.58 | 1.58 | 1.58 | 1.59 | 1.60 | 1.60 | 1.61 | 1.63 | 1.64 | 1.65 | 1.67 | 1.67 | 1.69 | 0.4% |
| Average Price to All Users 10/ | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gases | 17.56 | 17.56 | 17.56 | 17.62 | 17.60 | 17.72 | 17.84 | 17.99 | 17.96 | 17.99 | 18.08 | 18.18 | 18.26 | 18.30 | 0.2% |
| E85 4/ | 20.43 | 20.41 | 20.62 | 20.61 | 20.62 | 21.07 | 20.97 | 20.96 | 21.26 | 21.10 | 21.32 | 21.44 | 21.40 | 21.50 | -0.3% |
| Motor Gasoline 5/ Jet Fuel | 16.24 | 16.32 | 16.67 | 16.63 | 16.75 | 17.05 | 16.92 | 17.10 | 17.32 | 17.14 | 17.29 | 17.53 | 17.53 | 17.75 | -0.2% |
| Distillate Fuel Oil | 10.09 | 10.21 | 10.52 | 10.51 | 10.59 | 10.89 | 10.79 | 10.91 | 11.10 | 11.05 | 11.23 | 11.52 | 11.51 | 11.75 | -0.4% |
| Residual Fuel Oil | 14.14 | 14.24 | 14.56 | 14.53 | 14.62 | 14.90 | 14.65 | 14.83 | 15.08 | 15.03 | 15.24 | 15.53 | 15.50 | 15.70 | -0.1% |
| Natural Gas | 6.68 | 6.74 | 6.87 | 7.00 | 7.14 | 7.31 | 7.27 | 7.45 | 7.47 | 7.58 | 7.70 | 7.68 | 7.83 | 7.79 | 0.7% |
| Metallurgical Coal | 7.35 | 7.29 | 7.24 | 7.32 | 7.31 | 7.44 | 7.57 | 7.69 | 7.68 | 7.73 | 7.82 | 7.94 | 8.03 | 8.09 | -0.7% |
| Other Coal | 2.71 | 2.70 | 2.69 | 2.71 | 2.72 | 2.72 | 2.71 | 2.69 | 2.70 | 2.70 | 2.72 | 2.73 | 2.74 | 2.75 | -0.4% |
| Coal to Liquids | 1.62 | 1.61 | 1.61 | 1.61 | 1.62 | 1.63 | 1.63 | 1.65 | 1.66 | 1.67 | 1.68 | 1.69 | 1.70 | 1.72 | 0.4% |
| Electricity | 0.90 | 0.91 | 0.95 | 0.97 | 1.01 | 1.03 | 1.03 | 1.12 | 1.23 | 1.27 | 1.28 | 1.33 | 1.33 | 1.33 | N/A |
| | 22.95 | 23.14 | 23.09 | 23.15 | 23.21 | 23.23 | 23.30 | 23.43 | 23.47 | 23.43 | 23.43 | 23.48 | 23.59 | 23.60 | 0.0% |
| Non-Renewable Energy Expenditures by Sector (billion 2005 dollars) | | | | | | | | | | | | | | | |
| Residential | 228.53 | 230.97 | 232.57 | 236.03 | 237.58 | 240.44 | 243.39 | 247.24 | 248.99 | 251.03 | 253.73 | 257.29 | 259.96 | 262.21 | 0.8% |
| Commercial | 172.04 | 175.58 | 178.09 | 181.74 | 185.01 | 188.79 | 192.87 | 197.36 | 201.11 | 204.49 | 208.50 | 213.25 | 217.97 | 222.08 | 1.5% |
| Industrial | 189.66 | 190.50 | 192.03 | 194.88 | 196.87 | 200.07 | 202.13 | 205.49 | 206.98 | 209.31 | 212.90 | 216.30 | 219.27 | 222.08 | 0.5% |

Table 20. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)
 United States

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2005-2030 |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Transportation | 478.67 | 487.87 | 505.29 | 511.07 | 521.65 | 538.78 | 540.64 | 554.21 | 570.28 | 574.30 | 588.98 | 607.12 | 615.46 | 632.79 | 1.2% |
| Total Non-Renewable Expenditures | 1068.91 | 1084.92 | 1107.99 | 1123.73 | 1141.11 | 1168.07 | 1179.04 | 1204.30 | 1227.35 | 1239.13 | 1264.11 | 1293.96 | 1312.66 | 1339.16 | 1.0% |
| Transportation Renewable Expenditures | 0.10 | 0.11 | 0.13 | 0.15 | 0.19 | 0.22 | 0.24 | 0.29 | 0.32 | 0.35 | 0.39 | 0.44 | 0.47 | 0.51 | 11.5% |
| Total Expenditures | 1069.01 | 1085.04 | 1108.12 | 1123.89 | 1141.30 | 1168.29 | 1179.28 | 1204.59 | 1227.67 | 1239.48 | 1264.49 | 1294.40 | 1313.13 | 1339.68 | 1.0% |

Table 20. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)
United States

- 1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 2/ Excludes use for lease and plant fuel.
 - 3/ Includes Federal and State taxes while excluding county and local taxes.
 - 4/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.
 - 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
 - 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 10/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.
N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.