

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) East North Central

| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Energy Consumption | | | | | | | | | | | | | |
| Residential | | | | | | | | | | | | | |
| Distillate Fuel | 0.058 | 0.059 | 0.055 | 0.054 | 0.054 | 0.054 | 0.054 | 0.054 | 0.054 | 0.054 | 0.053 | 0.053 | 0.052 |
| Kerosene | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Liquefied Petroleum Gas | 0.134 | 0.131 | 0.134 | 0.123 | 0.125 | 0.129 | 0.132 | 0.134 | 0.136 | 0.138 | 0.140 | 0.141 | 0.143 |
| Petroleum Subtotal | 0.195 | 0.193 | 0.194 | 0.182 | 0.184 | 0.188 | 0.191 | 0.193 | 0.195 | 0.197 | 0.198 | 0.199 | 0.200 |
| Natural Gas | 1.452 | 1.521 | 1.439 | 1.443 | 1.449 | 1.472 | 1.502 | 1.524 | 1.546 | 1.563 | 1.577 | 1.577 | 1.578 |
| Coal | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Renewable Energy 1/ | 0.073 | 0.077 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 |
| Electricity | 0.630 | 0.623 | 0.625 | 0.656 | 0.665 | 0.676 | 0.690 | 0.699 | 0.708 | 0.715 | 0.724 | 0.729 | 0.736 |
| Delivered Energy | 2.352 | 2.417 | 2.334 | 2.358 | 2.374 | 2.412 | 2.459 | 2.492 | 2.525 | 2.552 | 2.577 | 2.582 | 2.590 |
| Electricity Related Losses | 1.437 | 1.471 | 1.625 | 1.655 | 1.650 | 1.687 | 1.719 | 1.738 | 1.742 | 1.756 | 1.766 | 1.775 | 1.778 |
| Total | 3.788 | 3.888 | 3.960 | 4.013 | 4.024 | 4.099 | 4.178 | 4.230 | 4.267 | 4.307 | 4.343 | 4.357 | 4.369 |
| Commercial | | | | | | | | | | | | | |
| Distillate Fuel | 0.050 | 0.054 | 0.057 | 0.060 | 0.064 | 0.068 | 0.073 | 0.077 | 0.080 | 0.082 | 0.084 | 0.087 | 0.090 |
| Residual Fuel | 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 |
| 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 |
| Liquefied Petroleum Gas | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 |
| Motor Gasoline 2/ | 0.007 | 0.007 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 |
| Petroleum Subtotal | 0.082 | 0.086 | 0.088 | 0.091 | 0.096 | 0.101 | 0.105 | 0.110 | 0.112 | 0.115 | 0.117 | 0.120 | 0.123 |
| Natural Gas | 0.727 | 0.739 | 0.723 | 0.716 | 0.726 | 0.742 | 0.759 | 0.773 | 0.786 | 0.796 | 0.804 | 0.810 | 0.815 |
| Coal | 0.020 | 0.021 | 0.021 | 0.021 | 0.021 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 |
| Renewable Energy 3/ | 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 |
| Electricity | 0.625 | 0.610 | 0.617 | 0.642 | 0.658 | 0.676 | 0.695 | 0.712 | 0.727 | 0.742 | 0.756 | 0.770 | 0.783 |
| Delivered Energy | 1.471 | 1.474 | 1.467 | 1.488 | 1.518 | 1.558 | 1.598 | 1.633 | 1.664 | 1.691 | 1.715 | 1.738 | 1.759 |
| Electricity Related Losses | 1.426 | 1.442 | 1.603 | 1.619 | 1.633 | 1.687 | 1.731 | 1.769 | 1.789 | 1.821 | 1.844 | 1.874 | 1.892 |
| Total | 2.897 | 2.917 | 3.070 | 3.107 | 3.151 | 3.244 | 3.329 | 3.402 | 3.453 | 3.513 | 3.560 | 3.612 | 3.651 |
| Industrial 4/ | | | | | | | | | | | | | |
| Distillate Fuel | 0.146 | 0.148 | 0.147 | 0.149 | 0.149 | 0.149 | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.151 |
| Liquefied Petroleum Gas | 0.093 | 0.089 | 0.091 | 0.092 | 0.089 | 0.089 | 0.090 | 0.091 | 0.091 | 0.092 | 0.092 | 0.093 | 0.094 |
| Petrochemical Feedstocks | 0.187 | 0.201 | 0.196 | 0.206 | 0.206 | 0.207 | 0.213 | 0.217 | 0.220 | 0.221 | 0.222 | 0.221 | 0.222 |
| Residual Fuel | 0.014 | 0.015 | 0.015 | 0.015 | 0.028 | 0.028 | 0.028 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 |
| Motor Gasoline 2/ | 0.043 | 0.043 | 0.044 | 0.043 | 0.043 | 0.043 | 0.043 | 0.044 | 0.043 | 0.044 | 0.044 | 0.044 | 0.045 |
| Other Petroleum 5/ | 0.652 | 0.628 | 0.650 | 0.646 | 0.703 | 0.697 | 0.697 | 0.703 | 0.696 | 0.694 | 0.686 | 0.680 | 0.679 |
| Petroleum Subtotal | 1.135 | 1.124 | 1.143 | 1.151 | 1.218 | 1.213 | 1.221 | 1.233 | 1.229 | 1.230 | 1.223 | 1.218 | 1.219 |
| Natural Gas | 1.252 | 1.180 | 1.198 | 1.223 | 1.228 | 1.242 | 1.268 | 1.288 | 1.315 | 1.333 | 1.345 | 1.352 | 1.364 |
| Lease and Plant Fuel 6/ | 0.018 | 0.018 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 |
| Natural Gas Subtotal | 1.270 | 1.198 | 1.209 | 1.234 | 1.238 | 1.252 | 1.278 | 1.298 | 1.325 | 1.344 | 1.356 | 1.363 | 1.374 |
| Metallurgical Coal | 0.323 | 0.331 | 0.346 | 0.327 | 0.315 | 0.304 | 0.294 | 0.283 | 0.271 | 0.264 | 0.256 | 0.249 | 0.242 |
| Steam Coal | 0.332 | 0.338 | 0.339 | 0.343 | 0.336 | 0.337 | 0.339 | 0.339 | 0.340 | 0.340 | 0.339 | 0.339 | 0.338 |
| Net Coal Coke Imports | 0.045 | 0.038 | 0.081 | 0.061 | 0.050 | 0.044 | 0.042 | 0.039 | 0.032 | 0.031 | 0.030 | 0.027 | 0.025 |
| Coal Subtotal | 0.701 | 0.707 | 0.766 | 0.731 | 0.701 | 0.685 | 0.674 | 0.661 | 0.643 | 0.635 | 0.625 | 0.615 | 0.606 |
| Renewable Energy 7/ | 0.214 | 0.213 | 0.231 | 0.238 | 0.241 | 0.245 | 0.250 | 0.255 | 0.258 | 0.261 | 0.265 | 0.268 | 0.272 |
| Electricity | 0.699 | 0.689 | 0.719 | 0.738 | 0.743 | 0.750 | 0.764 | 0.779 | 0.786 | 0.793 | 0.800 | 0.804 | 0.813 |
| Delivered Energy | 4.019 | 3.931 | 4.068 | 4.092 | 4.140 | 4.144 | 4.187 | 4.225 | 4.241 | 4.263 | 4.269 | 4.267 | 4.284 |
| Electricity Related Losses | 1.593 | 1.628 | 1.869 | 1.862 | 1.843 | 1.871 | 1.904 | 1.935 | 1.933 | 1.947 | 1.950 | 1.956 | 1.962 |
| Total | 5.612 | 5.559 | 5.937 | 5.954 | 5.983 | 6.015 | 6.091 | 6.160 | 6.174 | 6.210 | 6.218 | 6.223 | 6.247 |
| Transportation | | | | | | | | | | | | | |
| Distillate Fuel 8/ | 0.795 | 0.812 | 0.853 | 0.883 | 0.897 | 0.916 | 0.942 | 0.966 | 0.982 | 0.998 | 1.012 | 1.024 | 1.040 |
| Jet Fuel 9/ | 0.320 | 0.312 | 0.328 | 0.335 | 0.343 | 0.352 | 0.357 | 0.364 | 0.374 | 0.383 | 0.389 | 0.393 | 0.398 |
| Motor Gasoline 2/ | 2.605 | 2.631 | 2.682 | 2.707 | 2.735 | 2.777 | 2.821 | 2.865 | 2.903 | 2.935 | 2.968 | 3.000 | 3.033 |
| Residual Fuel | 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 |
| Liquefied Petroleum Gas | 0.003 | 0.004 | 0.004 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.010 | 0.010 |

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) East North Central

| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Other Petroleum 10/ | 0.030 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | 0.035 | 0.035 | 0.035 |
| Petroleum Subtotal | 3.756 | 3.795 | 3.903 | 3.968 | 4.019 | 4.088 | 4.165 | 4.240 | 4.305 | 4.362 | 4.415 | 4.464 | 4.518 |
| Pipeline Fuel Natural Gas | 0.068 | 0.064 | 0.068 | 0.067 | 0.065 | 0.065 | 0.065 | 0.066 | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 |
| Compressed Natural Gas | 0.002 | 0.003 | 0.004 | 0.005 | 0.005 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 | 0.009 | 0.010 | 0.010 |
| Renewable Energy (E85) 11/ | 0.000 | 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 |
| Electricity | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 |
| Delivered Energy | 3.838 | 3.875 | 3.987 | 4.052 | 4.103 | 4.172 | 4.250 | 4.327 | 4.392 | 4.451 | 4.505 | 4.555 | 4.610 |
| Electricity Related Losses | 0.027 | 0.029 | 0.032 | 0.032 | 0.032 | 0.032 | 0.033 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.035 |
| Total | 3.866 | 3.904 | 4.019 | 4.084 | 4.135 | 4.205 | 4.283 | 4.360 | 4.426 | 4.485 | 4.539 | 4.590 | 4.645 |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | | |
| Distillate Fuel | 1.048 | 1.073 | 1.113 | 1.146 | 1.164 | 1.188 | 1.219 | 1.247 | 1.265 | 1.283 | 1.299 | 1.314 | 1.333 |
| Kerosene | 0.005 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Jet Fuel 9/ | 0.320 | 0.312 | 0.328 | 0.335 | 0.343 | 0.352 | 0.357 | 0.364 | 0.374 | 0.383 | 0.389 | 0.393 | 0.398 |
| Liquefied Petroleum Gas | 0.253 | 0.246 | 0.251 | 0.243 | 0.243 | 0.247 | 0.252 | 0.256 | 0.258 | 0.261 | 0.264 | 0.266 | 0.269 |
| Motor Gasoline 2/ | 2.655 | 2.681 | 2.732 | 2.757 | 2.785 | 2.826 | 2.871 | 2.916 | 2.953 | 2.986 | 3.019 | 3.051 | 3.085 |
| Petrochemical Feedstocks | 0.187 | 0.201 | 0.196 | 0.206 | 0.206 | 0.207 | 0.213 | 0.217 | 0.220 | 0.221 | 0.222 | 0.221 | 0.222 |
| Residual Fuel | 0.020 | 0.020 | 0.019 | 0.019 | 0.032 | 0.033 | 0.033 | 0.033 | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 |
| Other Petroleum 12/ | 0.680 | 0.660 | 0.682 | 0.678 | 0.735 | 0.729 | 0.729 | 0.735 | 0.729 | 0.727 | 0.719 | 0.713 | 0.712 |
| Petroleum Subtotal | 5.168 | 5.198 | 5.328 | 5.392 | 5.516 | 5.590 | 5.682 | 5.775 | 5.841 | 5.904 | 5.954 | 6.001 | 6.060 |
| Natural Gas | 3.433 | 3.443 | 3.364 | 3.386 | 3.408 | 3.461 | 3.536 | 3.592 | 3.654 | 3.701 | 3.735 | 3.749 | 3.766 |
| Lease and Plant Fuel 6/ | 0.018 | 0.018 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 |
| Pipeline Natural Gas | 0.068 | 0.064 | 0.068 | 0.067 | 0.065 | 0.065 | 0.065 | 0.066 | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 |
| Natural Gas Subtotal | 3.518 | 3.526 | 3.442 | 3.464 | 3.483 | 3.535 | 3.611 | 3.667 | 3.730 | 3.778 | 3.812 | 3.827 | 3.844 |
| Metallurgical Coal | 0.323 | 0.331 | 0.346 | 0.327 | 0.315 | 0.304 | 0.294 | 0.283 | 0.271 | 0.264 | 0.256 | 0.249 | 0.242 |
| Steam Coal | 0.354 | 0.362 | 0.362 | 0.367 | 0.359 | 0.360 | 0.361 | 0.362 | 0.363 | 0.363 | 0.362 | 0.361 | 0.361 |
| Net Coal Coke Imports | 0.045 | 0.038 | 0.081 | 0.061 | 0.050 | 0.044 | 0.042 | 0.039 | 0.032 | 0.031 | 0.030 | 0.027 | 0.025 |
| Coal Subtotal | 0.723 | 0.730 | 0.789 | 0.754 | 0.724 | 0.708 | 0.697 | 0.684 | 0.666 | 0.658 | 0.648 | 0.638 | 0.629 |
| Renewable Energy 13/ | 0.305 | 0.308 | 0.323 | 0.331 | 0.333 | 0.337 | 0.342 | 0.347 | 0.350 | 0.354 | 0.357 | 0.360 | 0.365 |
| 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 |
| Electricity | 1.966 | 1.935 | 1.974 | 2.049 | 2.079 | 2.116 | 2.162 | 2.203 | 2.235 | 2.265 | 2.294 | 2.317 | 2.347 |
| Delivered Energy | 11.680 | 11.697 | 11.856 | 11.990 | 12.136 | 12.286 | 12.494 | 12.676 | 12.822 | 12.957 | 13.066 | 13.143 | 13.244 |
| Electricity Related Losses | 4.483 | 4.571 | 5.130 | 5.168 | 5.157 | 5.277 | 5.387 | 5.475 | 5.498 | 5.558 | 5.594 | 5.639 | 5.668 |
| Total | 16.163 | 16.268 | 16.986 | 17.158 | 17.293 | 17.563 | 17.880 | 18.151 | 18.320 | 18.515 | 18.660 | 18.782 | 18.912 |
| Electric Power 14/ | | | | | | | | | | | | | |
| Distillate Fuel | 0.026 | 0.034 | 0.041 | 0.042 | 0.042 | 0.043 | 0.044 | 0.045 | 0.045 | 0.045 | 0.046 | 0.047 | 0.048 |
| Residual Fuel | 0.001 | 0.003 | 0.005 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Petroleum Subtotal | 0.027 | 0.037 | 0.045 | 0.047 | 0.044 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 | 0.050 | 0.050 | 0.050 |
| Natural Gas | 0.313 | 0.204 | 0.386 | 0.391 | 0.386 | 0.384 | 0.397 | 0.437 | 0.469 | 0.519 | 0.523 | 0.550 | 0.583 |
| Steam Coal | 4.488 | 4.691 | 4.940 | 5.077 | 5.098 | 5.246 | 5.380 | 5.465 | 5.491 | 5.545 | 5.609 | 5.641 | 5.666 |
| Nuclear Power | 1.529 | 1.490 | 1.645 | 1.612 | 1.618 | 1.619 | 1.628 | 1.629 | 1.630 | 1.631 | 1.632 | 1.633 | 1.633 |
| Renewable Energy/Other 15/ | 0.094 | 0.096 | 0.098 | 0.103 | 0.109 | 0.112 | 0.114 | 0.119 | 0.120 | 0.122 | 0.124 | 0.128 | 0.130 |
| Electricity Imports | -0.003 | -0.013 | -0.011 | -0.013 | -0.019 | -0.013 | -0.017 | -0.020 | -0.026 | -0.044 | -0.049 | -0.045 | -0.048 |
| Total | 6.449 | 6.505 | 7.104 | 7.217 | 7.236 | 7.393 | 7.549 | 7.678 | 7.733 | 7.822 | 7.888 | 7.957 | 8.014 |
| Total Energy Consumption | | | | | | | | | | | | | |
| Distillate Fuel | 1.075 | 1.107 | 1.153 | 1.188 | 1.206 | 1.231 | 1.263 | 1.292 | 1.310 | 1.329 | 1.346 | 1.361 | 1.381 |
| Kerosene | 0.005 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Jet Fuel 9/ | 0.320 | 0.312 | 0.328 | 0.335 | 0.343 | 0.352 | 0.357 | 0.364 | 0.374 | 0.383 | 0.389 | 0.393 | 0.398 |
| Liquefied Petroleum Gas | 0.253 | 0.246 | 0.251 | 0.243 | 0.243 | 0.247 | 0.252 | 0.256 | 0.258 | 0.261 | 0.264 | 0.266 | 0.269 |
| Motor Gasoline 2/ | 2.655 | 2.681 | 2.732 | 2.757 | 2.785 | 2.826 | 2.871 | 2.916 | 2.953 | 2.986 | 3.019 | 3.051 | 3.085 |
| Petrochemical Feedstocks | 0.187 | 0.201 | 0.196 | 0.206 | 0.206 | 0.207 | 0.213 | 0.217 | 0.220 | 0.221 | 0.222 | 0.221 | 0.222 |
| Residual Fuel | 0.021 | 0.022 | 0.024 | 0.024 | 0.035 | 0.035 | 0.035 | 0.036 | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 |
| Other Petroleum 12/ | 0.680 | 0.660 | 0.682 | 0.678 | 0.735 | 0.729 | 0.729 | 0.735 | 0.729 | 0.727 | 0.719 | 0.713 | 0.712 |
| Petroleum Subtotal | 5.196 | 5.235 | 5.373 | 5.438 | 5.561 | 5.636 | 5.728 | 5.823 | 5.889 | 5.952 | 6.004 | 6.051 | 6.111 |
| Natural Gas | 3.746 | 3.647 | 3.750 | 3.777 | 3.793 | 3.846 | 3.933 | 4.029 | 4.124 | 4.220 | 4.259 | 4.299 | 4.350 |

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| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lease and Plant Fuel 6/ | 0.018 | 0.018 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 |
| Pipeline Natural Gas | 0.068 | 0.064 | 0.068 | 0.067 | 0.065 | 0.065 | 0.065 | 0.066 | 0.066 | 0.066 | 0.067 | 0.067 | 0.067 |
| Natural Gas Subtotal | 3.832 | 3.730 | 3.829 | 3.855 | 3.869 | 3.920 | 4.008 | 4.104 | 4.200 | 4.297 | 4.336 | 4.377 | 4.427 |
| Metallurgical Coal | 0.323 | 0.331 | 0.346 | 0.327 | 0.315 | 0.304 | 0.294 | 0.283 | 0.271 | 0.264 | 0.256 | 0.249 | 0.242 |
| Steam Coal | 4.842 | 5.052 | 5.302 | 5.443 | 5.457 | 5.605 | 5.742 | 5.827 | 5.853 | 5.908 | 5.971 | 6.002 | 6.027 |
| Net Coal Coke Imports | 0.045 | 0.038 | 0.081 | 0.061 | 0.050 | 0.044 | 0.042 | 0.039 | 0.032 | 0.031 | 0.030 | 0.027 | 0.025 |
| Coal Subtotal | 5.210 | 5.421 | 5.729 | 5.831 | 5.823 | 5.953 | 6.077 | 6.149 | 6.157 | 6.203 | 6.257 | 6.278 | 6.295 |
| Nuclear Power | 1.529 | 1.490 | 1.645 | 1.612 | 1.618 | 1.619 | 1.628 | 1.629 | 1.630 | 1.631 | 1.632 | 1.633 | 1.633 |
| Renewable Energy 16/ | 0.399 | 0.405 | 0.421 | 0.434 | 0.442 | 0.448 | 0.456 | 0.466 | 0.470 | 0.476 | 0.481 | 0.488 | 0.494 |
| 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 |
| Electricity Imports | -0.003 | -0.013 | -0.011 | -0.013 | -0.019 | -0.013 | -0.017 | -0.020 | -0.026 | -0.044 | -0.049 | -0.045 | -0.048 |
| Total | 16.163 | 16.268 | 16.986 | 17.158 | 17.293 | 17.563 | 17.880 | 18.151 | 18.320 | 18.515 | 18.660 | 18.782 | 18.912 |
| Energy Use & Related Statistics | | | | | | | | | | | | | |
| Delivered Energy Use | 11.680 | 11.697 | 11.856 | 11.990 | 12.136 | 12.286 | 12.494 | 12.676 | 12.822 | 12.957 | 13.066 | 13.143 | 13.244 |
| Total Energy Use | 16.163 | 16.268 | 16.986 | 17.158 | 17.293 | 17.563 | 17.880 | 18.151 | 18.320 | 18.515 | 18.660 | 18.782 | 18.912 |
| Population (millions) | 45.734 | 45.928 | 46.116 | 46.298 | 46.475 | 46.648 | 46.814 | 46.981 | 47.146 | 47.309 | 47.472 | 47.634 | 47.795 |

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) East North Central

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2003-2025 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Energy Consumption | | | | | | | | | | | | |
| Residential | | | | | | | | | | | | |
| Distillate Fuel | 0.051 | 0.050 | 0.048 | 0.047 | 0.046 | 0.044 | 0.043 | 0.041 | 0.040 | 0.038 | 0.036 | -2.1% |
| Kerosene | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 1.8% |
| Liquefied Petroleum Gas | 0.144 | 0.146 | 0.147 | 0.148 | 0.149 | 0.150 | 0.151 | 0.151 | 0.152 | 0.154 | 0.154 | 0.8% |
| Petroleum Subtotal | 0.200 | 0.201 | 0.200 | 0.200 | 0.200 | 0.200 | 0.199 | 0.198 | 0.197 | 0.197 | 0.196 | 0.1% |
| Natural Gas | 1.576 | 1.578 | 1.574 | 1.571 | 1.566 | 1.564 | 1.554 | 1.551 | 1.550 | 1.553 | 1.547 | 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 | -1.0% |
| Renewable Energy 1/ | 0.074 | 0.074 | 0.074 | 0.074 | 0.073 | 0.073 | 0.073 | 0.072 | 0.072 | 0.072 | 0.072 | -0.3% |
| Electricity | 0.744 | 0.753 | 0.759 | 0.766 | 0.773 | 0.782 | 0.787 | 0.795 | 0.804 | 0.814 | 0.821 | 1.3% |
| Delivered Energy | 2.596 | 2.609 | 2.609 | 2.614 | 2.614 | 2.621 | 2.615 | 2.619 | 2.625 | 2.639 | 2.638 | 0.4% |
| Electricity Related Losses | 1.779 | 1.791 | 1.808 | 1.809 | 1.813 | 1.804 | 1.793 | 1.782 | 1.780 | 1.793 | 1.800 | 0.9% |
| Total | 4.375 | 4.400 | 4.417 | 4.423 | 4.428 | 4.425 | 4.408 | 4.401 | 4.405 | 4.432 | 4.438 | 0.6% |
| Commercial | | | | | | | | | | | | |
| Distillate Fuel | 0.093 | 0.096 | 0.099 | 0.102 | 0.105 | 0.108 | 0.111 | 0.114 | 0.117 | 0.120 | 0.123 | 3.8% |
| Residual Fuel | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | -0.5% |
| Kerosene | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 1.3% |
| Liquefied Petroleum Gas | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.024 | 0.024 | 0.024 | 0.024 | 0.4% |
| Motor Gasoline 2/ | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.0% |
| Petroleum Subtotal | 0.126 | 0.129 | 0.132 | 0.135 | 0.138 | 0.141 | 0.144 | 0.147 | 0.151 | 0.154 | 0.158 | 2.8% |
| Natural Gas | 0.819 | 0.827 | 0.835 | 0.843 | 0.849 | 0.855 | 0.862 | 0.870 | 0.880 | 0.890 | 0.901 | 0.9% |
| Coal | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | -0.1% |
| Renewable Energy 3/ | 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 | 0.798 | 0.813 | 0.830 | 0.845 | 0.860 | 0.876 | 0.893 | 0.911 | 0.929 | 0.948 | 0.967 | 2.1% |
| Delivered Energy | 1.782 | 1.808 | 1.836 | 1.862 | 1.886 | 1.911 | 1.937 | 1.967 | 1.998 | 2.031 | 2.064 | 1.5% |
| Electricity Related Losses | 1.908 | 1.935 | 1.977 | 1.995 | 2.018 | 2.022 | 2.034 | 2.041 | 2.058 | 2.089 | 2.122 | 1.8% |
| Total | 3.690 | 3.743 | 3.813 | 3.857 | 3.905 | 3.932 | 3.972 | 4.008 | 4.056 | 4.120 | 4.186 | 1.7% |
| Industrial 4/ | | | | | | | | | | | | |
| Distillate Fuel | 0.153 | 0.153 | 0.154 | 0.156 | 0.157 | 0.158 | 0.159 | 0.161 | 0.162 | 0.163 | 0.165 | 0.5% |
| Liquefied Petroleum Gas | 0.094 | 0.094 | 0.095 | 0.096 | 0.096 | 0.097 | 0.098 | 0.098 | 0.099 | 0.100 | 0.101 | 0.5% |
| Petrochemical Feedstocks | 0.221 | 0.219 | 0.220 | 0.221 | 0.221 | 0.221 | 0.221 | 0.221 | 0.221 | 0.220 | 0.219 | 0.4% |
| Residual Fuel | 0.030 | 0.030 | 0.030 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.031 | 0.032 | 3.6% |
| Motor Gasoline 2/ | 0.045 | 0.046 | 0.046 | 0.046 | 0.047 | 0.047 | 0.048 | 0.048 | 0.049 | 0.050 | 0.050 | 0.7% |
| Other Petroleum 5/ | 0.687 | 0.697 | 0.701 | 0.716 | 0.726 | 0.732 | 0.738 | 0.740 | 0.745 | 0.758 | 0.777 | 1.0% |
| Petroleum Subtotal | 1.229 | 1.239 | 1.246 | 1.266 | 1.279 | 1.287 | 1.295 | 1.300 | 1.307 | 1.322 | 1.343 | 0.8% |
| Natural Gas | 1.365 | 1.372 | 1.387 | 1.403 | 1.417 | 1.428 | 1.438 | 1.451 | 1.466 | 1.475 | 1.485 | 1.1% |
| Lease and Plant Fuel 6/ | 0.011 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | -2.7% |
| Natural Gas Subtotal | 1.376 | 1.382 | 1.398 | 1.414 | 1.428 | 1.439 | 1.448 | 1.462 | 1.476 | 1.485 | 1.495 | 1.0% |
| Metallurgical Coal | 0.235 | 0.229 | 0.223 | 0.216 | 0.210 | 0.204 | 0.199 | 0.193 | 0.188 | 0.183 | 0.178 | -2.8% |
| Steam Coal | 0.338 | 0.337 | 0.337 | 0.337 | 0.337 | 0.336 | 0.336 | 0.335 | 0.335 | 0.335 | 0.334 | -0.1% |
| Net Coal Coke Imports | 0.024 | 0.022 | 0.021 | 0.020 | 0.018 | 0.017 | 0.014 | 0.013 | 0.012 | 0.010 | 0.009 | -6.4% |
| Coal Subtotal | 0.597 | 0.588 | 0.580 | 0.573 | 0.565 | 0.557 | 0.549 | 0.542 | 0.535 | 0.528 | 0.521 | -1.4% |
| Renewable Energy 7/ | 0.275 | 0.277 | 0.282 | 0.286 | 0.291 | 0.295 | 0.299 | 0.303 | 0.306 | 0.309 | 0.312 | 1.7% |
| Electricity | 0.819 | 0.822 | 0.830 | 0.840 | 0.850 | 0.856 | 0.861 | 0.866 | 0.873 | 0.878 | 0.883 | 1.1% |
| Delivered Energy | 4.295 | 4.308 | 4.336 | 4.379 | 4.413 | 4.435 | 4.453 | 4.472 | 4.496 | 4.522 | 4.554 | 0.7% |
| Electricity Related Losses | 1.957 | 1.954 | 1.976 | 1.985 | 1.994 | 1.976 | 1.962 | 1.941 | 1.933 | 1.934 | 1.938 | 0.8% |
| Total | 6.253 | 6.262 | 6.312 | 6.364 | 6.407 | 6.411 | 6.414 | 6.413 | 6.429 | 6.456 | 6.492 | 0.7% |
| Transportation | | | | | | | | | | | | |
| Distillate Fuel 8/ | 1.051 | 1.060 | 1.074 | 1.088 | 1.100 | 1.112 | 1.121 | 1.132 | 1.146 | 1.159 | 1.171 | 1.7% |
| Jet Fuel 9/ | 0.401 | 0.404 | 0.407 | 0.410 | 0.413 | 0.415 | 0.416 | 0.416 | 0.416 | 0.416 | 0.415 | 1.3% |
| Motor Gasoline 2/ | 3.064 | 3.091 | 3.119 | 3.144 | 3.168 | 3.191 | 3.216 | 3.243 | 3.273 | 3.307 | 3.343 | 1.1% |
| Residual Fuel | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | -1.0% |
| Liquefied Petroleum Gas | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 5.3% |

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) East North Central

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2025 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| Other Petroleum 10/ | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 0.037 | 0.037 | 0.037 | 0.038 | 0.038 | 0.039 | 0.6% |
| Petroleum Subtotal | 4.565 | 4.603 | 4.649 | 4.692 | 4.732 | 4.769 | 4.804 | 4.843 | 4.887 | 4.935 | 4.983 | 1.2% |
| Pipeline Fuel Natural Gas | 0.067 | 0.067 | 0.068 | 0.069 | 0.070 | 0.069 | 0.070 | 0.070 | 0.070 | 0.071 | 0.072 | 0.5% |
| Compressed Natural Gas | 0.010 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 6.4% |
| Renewable Energy (E85) 11/ | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 6.1% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Electricity | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.016 | 0.016 | 0.016 | 0.016 | 0.017 | 0.017 | 1.5% |
| Delivered Energy | 4.657 | 4.697 | 4.744 | 4.788 | 4.829 | 4.866 | 4.902 | 4.942 | 4.987 | 5.036 | 5.085 | 1.2% |
| Electricity Related Losses | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 0.037 | 0.037 | 1.1% |
| Total | 4.692 | 4.732 | 4.780 | 4.824 | 4.866 | 4.903 | 4.939 | 4.978 | 5.023 | 5.073 | 5.122 | 1.2% |
| Delivered Energy Consumption, All Sectors | | | | | | | | | | | | |
| Distillate Fuel | 1.348 | 1.359 | 1.376 | 1.393 | 1.408 | 1.422 | 1.434 | 1.448 | 1.465 | 1.481 | 1.496 | 1.5% |
| Kerosene | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 1.3% |
| Jet Fuel 9/ | 0.401 | 0.404 | 0.407 | 0.410 | 0.413 | 0.415 | 0.416 | 0.416 | 0.416 | 0.416 | 0.415 | 1.3% |
| Liquefied Petroleum Gas | 0.272 | 0.274 | 0.276 | 0.278 | 0.280 | 0.282 | 0.284 | 0.285 | 0.287 | 0.289 | 0.291 | 0.8% |
| Motor Gasoline 2/ | 3.116 | 3.144 | 3.172 | 3.197 | 3.222 | 3.245 | 3.270 | 3.298 | 3.329 | 3.364 | 3.400 | 1.1% |
| Petrochemical Feedstocks | 0.221 | 0.219 | 0.220 | 0.221 | 0.221 | 0.221 | 0.221 | 0.221 | 0.221 | 0.220 | 0.219 | 0.4% |
| Residual Fuel | 0.034 | 0.034 | 0.035 | 0.035 | 0.036 | 0.036 | 0.036 | 0.036 | 0.035 | 0.036 | 0.036 | 2.8% |
| Other Petroleum 12/ | 0.720 | 0.731 | 0.734 | 0.750 | 0.761 | 0.767 | 0.773 | 0.776 | 0.781 | 0.794 | 0.813 | 1.0% |
| Petroleum Subtotal | 6.120 | 6.172 | 6.228 | 6.293 | 6.349 | 6.397 | 6.442 | 6.488 | 6.542 | 6.608 | 6.679 | 1.1% |
| Natural Gas | 3.771 | 3.787 | 3.808 | 3.829 | 3.844 | 3.859 | 3.866 | 3.885 | 3.908 | 3.931 | 3.945 | 0.6% |
| Lease and Plant Fuel 6/ | 0.011 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | -2.7% |
| Pipeline Natural Gas | 0.067 | 0.067 | 0.068 | 0.069 | 0.070 | 0.069 | 0.070 | 0.070 | 0.070 | 0.071 | 0.072 | 0.5% |
| Natural Gas Subtotal | 3.849 | 3.865 | 3.886 | 3.909 | 3.924 | 3.939 | 3.946 | 3.965 | 3.989 | 4.012 | 4.027 | 0.6% |
| Metallurgical Coal | 0.235 | 0.229 | 0.223 | 0.216 | 0.210 | 0.204 | 0.199 | 0.193 | 0.188 | 0.183 | 0.178 | -2.8% |
| Steam Coal | 0.360 | 0.360 | 0.360 | 0.359 | 0.359 | 0.359 | 0.358 | 0.358 | 0.357 | 0.357 | 0.357 | -0.1% |
| Net Coal Coke Imports | 0.024 | 0.022 | 0.021 | 0.020 | 0.018 | 0.017 | 0.014 | 0.013 | 0.012 | 0.010 | 0.009 | -6.4% |
| Coal Subtotal | 0.619 | 0.611 | 0.603 | 0.595 | 0.587 | 0.580 | 0.571 | 0.564 | 0.557 | 0.550 | 0.543 | -1.3% |
| Renewable Energy 13/ | 0.368 | 0.370 | 0.374 | 0.379 | 0.383 | 0.387 | 0.391 | 0.394 | 0.397 | 0.400 | 0.402 | 1.2% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Electricity | 2.375 | 2.403 | 2.433 | 2.466 | 2.498 | 2.530 | 2.557 | 2.589 | 2.622 | 2.658 | 2.688 | 1.5% |
| Delivered Energy | 13.331 | 13.421 | 13.524 | 13.643 | 13.742 | 13.834 | 13.907 | 13.999 | 14.107 | 14.228 | 14.341 | 0.9% |
| Electricity Related Losses | 5.679 | 5.715 | 5.797 | 5.825 | 5.862 | 5.837 | 5.825 | 5.800 | 5.807 | 5.853 | 5.897 | 1.2% |
| Total | 19.010 | 19.136 | 19.321 | 19.468 | 19.605 | 19.671 | 19.732 | 19.800 | 19.914 | 20.081 | 20.238 | 1.0% |
| Electric Power 14/ | | | | | | | | | | | | |
| Distillate Fuel | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 1.5% |
| Residual Fuel | 0.003 | 0.003 | 0.003 | 0.003 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 5.1% |
| Petroleum Subtotal | 0.051 | 0.050 | 0.051 | 0.051 | 0.056 | 0.056 | 0.056 | 0.056 | 0.055 | 0.055 | 0.056 | 1.9% |
| Natural Gas | 0.623 | 0.659 | 0.728 | 0.774 | 0.821 | 0.834 | 0.855 | 0.874 | 0.923 | 0.972 | 1.020 | 7.6% |
| Steam Coal | 5.678 | 5.684 | 5.711 | 5.722 | 5.737 | 5.732 | 5.724 | 5.713 | 5.717 | 5.726 | 5.751 | 0.9% |
| Nuclear Power | 1.633 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 0.5% |
| Renewable Energy/Other 15/ | 0.129 | 0.129 | 0.129 | 0.131 | 0.131 | 0.134 | 0.135 | 0.134 | 0.125 | 0.130 | 0.136 | 1.6% |
| Electricity Imports | -0.059 | -0.058 | -0.043 | -0.040 | -0.039 | -0.043 | -0.043 | -0.043 | -0.046 | -0.027 | -0.031 | 4.1% |
| Total | 8.054 | 8.118 | 8.230 | 8.292 | 8.360 | 8.368 | 8.382 | 8.389 | 8.429 | 8.511 | 8.586 | 1.3% |
| Total Energy Consumption | | | | | | | | | | | | |
| Distillate Fuel | 1.396 | 1.406 | 1.423 | 1.440 | 1.456 | 1.471 | 1.482 | 1.496 | 1.512 | 1.529 | 1.544 | 1.5% |
| Kerosene | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 1.3% |
| Jet Fuel 9/ | 0.401 | 0.404 | 0.407 | 0.410 | 0.413 | 0.415 | 0.416 | 0.416 | 0.416 | 0.416 | 0.415 | 1.3% |
| Liquefied Petroleum Gas | 0.272 | 0.274 | 0.276 | 0.278 | 0.280 | 0.282 | 0.284 | 0.285 | 0.287 | 0.289 | 0.291 | 0.8% |
| Motor Gasoline 2/ | 3.116 | 3.144 | 3.172 | 3.197 | 3.222 | 3.245 | 3.270 | 3.298 | 3.329 | 3.364 | 3.400 | 1.1% |
| Petrochemical Feedstocks | 0.221 | 0.219 | 0.220 | 0.221 | 0.221 | 0.221 | 0.221 | 0.221 | 0.221 | 0.220 | 0.219 | 0.4% |
| Residual Fuel | 0.037 | 0.037 | 0.038 | 0.038 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.044 | 3.1% |
| Other Petroleum 12/ | 0.720 | 0.731 | 0.734 | 0.750 | 0.761 | 0.767 | 0.773 | 0.776 | 0.781 | 0.794 | 0.813 | 1.0% |
| Petroleum Subtotal | 6.170 | 6.222 | 6.278 | 6.344 | 6.405 | 6.453 | 6.498 | 6.543 | 6.597 | 6.664 | 6.735 | 1.2% |
| Natural Gas | 4.394 | 4.446 | 4.536 | 4.603 | 4.665 | 4.693 | 4.721 | 4.759 | 4.832 | 4.903 | 4.966 | 1.4% |

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) East North Central

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2003-2025 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| Lease and Plant Fuel 6/ | 0.011 | 0.010 | 0.010 | 0.011 | 0.011 | 0.011 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | -2.7% |
| Pipeline Natural Gas | 0.067 | 0.067 | 0.068 | 0.069 | 0.070 | 0.069 | 0.070 | 0.070 | 0.070 | 0.071 | 0.072 | 0.5% |
| Natural Gas Subtotal | 4.472 | 4.524 | 4.615 | 4.683 | 4.745 | 4.774 | 4.802 | 4.839 | 4.912 | 4.984 | 5.047 | 1.4% |
| Metallurgical Coal | 0.235 | 0.229 | 0.223 | 0.216 | 0.210 | 0.204 | 0.199 | 0.193 | 0.188 | 0.183 | 0.178 | -2.8% |
| Steam Coal | 6.038 | 6.044 | 6.070 | 6.082 | 6.096 | 6.090 | 6.082 | 6.071 | 6.074 | 6.083 | 6.108 | 0.9% |
| Net Coal Coke Imports | 0.024 | 0.022 | 0.021 | 0.020 | 0.018 | 0.017 | 0.014 | 0.013 | 0.012 | 0.010 | 0.009 | -6.4% |
| Coal Subtotal | 6.297 | 6.295 | 6.313 | 6.318 | 6.324 | 6.312 | 6.295 | 6.277 | 6.274 | 6.276 | 6.294 | 0.7% |
| Nuclear Power | 1.633 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 1.654 | 0.5% |
| Renewable Energy 16/ | 0.497 | 0.499 | 0.503 | 0.509 | 0.514 | 0.522 | 0.526 | 0.528 | 0.522 | 0.530 | 0.538 | 1.3% |
| Liquid Hydrogen | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| Electricity Imports | -0.059 | -0.058 | -0.043 | -0.040 | -0.039 | -0.043 | -0.043 | -0.043 | -0.046 | -0.027 | -0.031 | 4.1% |
| Total | 19.010 | 19.136 | 19.321 | 19.468 | 19.605 | 19.671 | 19.732 | 19.800 | 19.914 | 20.081 | 20.238 | 1.0% |
| Energy Use & Related Statistics | | | | | | | | | | | | |
| Delivered Energy Use | 13.331 | 13.421 | 13.524 | 13.643 | 13.742 | 13.834 | 13.907 | 13.999 | 14.107 | 14.228 | 14.341 | 0.9% |
| Total Energy Use | 19.010 | 19.136 | 19.321 | 19.468 | 19.605 | 19.671 | 19.732 | 19.800 | 19.914 | 20.081 | 20.238 | 1.0% |
| Population (millions) | 47.955 | 48.112 | 48.267 | 48.419 | 48.569 | 48.717 | 48.865 | 49.015 | 49.166 | 49.318 | 49.473 | 0.3% |

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) East North Central

1/ Includes wood used for residential heating. See Table A18 for estimates of nonmarketed renewable energy consumption for geothermal heat pumps, solar thermal hot water heating, and solar photovoltaic electricity generation.

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, and miscellaneous petroleum products.

6/ Represents natural gas used in the field gathering and processing plant machinery.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gasoline and lubricants.

11/ 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.

12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, 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 (CHP) 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 2002 and 2003 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: 2002 and 2003 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2003, DOE/EIA-0384(2003) (Washington, DC, September 2004).

2002 and 2003 population and gross domestic product: Global Insight macroeconomic model T250804. 2002 and 2003 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2003, DOE/EIA-0573(2003) (Washington, DC, December 2004). Projections: EIA, AEO2005 National Energy Modeling System run aeo2005.d102004a.