

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

|   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Residential</b>                        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Liquefied Petroleum Gases                 | 0.037  | 0.035  | 0.036  | 0.036  | 0.036  | 0.036  | 0.036  | 0.036  | 0.037  | 0.037  | 0.037  | 0.038  | 0.038  |
| Kerosene                                  | 0.033  | 0.026  | 0.031  | 0.034  | 0.032  | 0.029  | 0.030  | 0.030  | 0.031  | 0.032  | 0.033  | 0.034  | 0.034  |
| Distillate Fuel Oil                       | 0.362  | 0.292  | 0.333  | 0.336  | 0.331  | 0.319  | 0.321  | 0.322  | 0.321  | 0.321  | 0.321  | 0.321  | 0.319  |
| Liquid Fuels and Other Petroleum Subtotal | 0.432  | 0.353  | 0.400  | 0.406  | 0.398  | 0.384  | 0.386  | 0.389  | 0.389  | 0.390  | 0.391  | 0.393  | 0.392  |
| Natural Gas                               | 0.910  | 0.783  | 0.866  | 0.893  | 0.892  | 0.863  | 0.868  | 0.876  | 0.879  | 0.885  | 0.890  | 0.897  | 0.897  |
| 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/                       | 0.086  | 0.074  | 0.088  | 0.092  | 0.089  | 0.084  | 0.083  | 0.083  | 0.082  | 0.081  | 0.080  | 0.080  | 0.079  |
| Electricity                               | 0.458  | 0.440  | 0.461  | 0.462  | 0.467  | 0.470  | 0.471  | 0.473  | 0.458  | 0.456  | 0.454  | 0.455  | 0.455  |
| Delivered Energy                          | 1.888  | 1.650  | 1.816  | 1.854  | 1.848  | 1.804  | 1.811  | 1.822  | 1.810  | 1.813  | 1.817  | 1.826  | 1.824  |
| Electricity Related Losses                | 1.076  | 1.041  | 1.038  | 1.047  | 1.066  | 1.042  | 1.040  | 1.040  | 1.005  | 0.991  | 0.999  | 1.005  | 1.010  |
| Total                                     | 2.964  | 2.692  | 2.854  | 2.902  | 2.913  | 2.845  | 2.851  | 2.862  | 2.815  | 2.804  | 2.816  | 2.832  | 2.835  |
| <b>Commercial</b>                         |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 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/                         | 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                                  | 0.009  | 0.007  | 0.006  | 0.006  | 0.005  | 0.007  | 0.007  | 0.007  | 0.006  | 0.006  | 0.007  | 0.007  | 0.007  |
| Distillate Fuel Oil                       | 0.158  | 0.142  | 0.146  | 0.146  | 0.132  | 0.132  | 0.133  | 0.135  | 0.136  | 0.137  | 0.138  | 0.139  | 0.140  |
| Residual Fuel Oil                         | 0.073  | 0.074  | 0.065  | 0.066  | 0.067  | 0.064  | 0.065  | 0.067  | 0.066  | 0.066  | 0.068  | 0.068  | 0.067  |
| Liquid Fuels and Other Petroleum Subtotal | 0.250  | 0.232  | 0.227  | 0.226  | 0.214  | 0.212  | 0.214  | 0.218  | 0.218  | 0.220  | 0.222  | 0.224  | 0.224  |
| Natural Gas                               | 0.608  | 0.559  | 0.614  | 0.612  | 0.594  | 0.591  | 0.599  | 0.606  | 0.613  | 0.620  | 0.628  | 0.634  | 0.640  |
| Coal                                      | 0.016  | 0.016  | 0.013  | 0.015  | 0.015  | 0.015  | 0.015  | 0.015  | 0.015  | 0.015  | 0.015  | 0.015  | 0.015  |
| Renewable Energy 3/                       | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  |
| Electricity                               | 0.554  | 0.550  | 0.573  | 0.582  | 0.574  | 0.580  | 0.589  | 0.596  | 0.604  | 0.614  | 0.622  | 0.630  | 0.637  |
| Delivered Energy                          | 1.450  | 1.379  | 1.450  | 1.458  | 1.420  | 1.421  | 1.439  | 1.458  | 1.473  | 1.491  | 1.509  | 1.526  | 1.538  |
| Electricity Related Losses                | 1.302  | 1.302  | 1.292  | 1.320  | 1.310  | 1.286  | 1.300  | 1.312  | 1.324  | 1.335  | 1.368  | 1.391  | 1.415  |
| Total                                     | 2.752  | 2.682  | 2.742  | 2.778  | 2.730  | 2.707  | 2.739  | 2.769  | 2.797  | 2.825  | 2.877  | 2.917  | 2.953  |
| <b>Industrial 4/</b>                      |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Liquefied Petroleum Gases                 | 0.024  | 0.024  | 0.024  | 0.023  | 0.024  | 0.024  | 0.026  | 0.025  | 0.024  | 0.025  | 0.025  | 0.032  | 0.031  |
| Motor Gasoline 2/                         | 0.027  | 0.027  | 0.027  | 0.027  | 0.026  | 0.026  | 0.026  | 0.026  | 0.025  | 0.025  | 0.025  | 0.025  | 0.024  |
| Distillate Fuel Oil                       | 0.073  | 0.070  | 0.069  | 0.067  | 0.065  | 0.066  | 0.066  | 0.065  | 0.064  | 0.063  | 0.063  | 0.063  | 0.062  |
| Residual Fuel Oil                         | 0.029  | 0.027  | 0.027  | 0.028  | 0.023  | 0.022  | 0.021  | 0.029  | 0.028  | 0.028  | 0.028  | 0.028  | 0.028  |
| Petrochemical Feedstocks                  | 0.123  | 0.128  | 0.115  | 0.113  | 0.113  | 0.118  | 0.122  | 0.124  | 0.127  | 0.126  | 0.125  | 0.123  | 0.121  |
| Other Petroleum 5/                        | 0.430  | 0.424  | 0.409  | 0.403  | 0.376  | 0.372  | 0.368  | 0.375  | 0.365  | 0.364  | 0.365  | 0.368  | 0.364  |
| Liquid Fuels and Other Petroleum Subtotal | 0.706  | 0.700  | 0.671  | 0.661  | 0.627  | 0.627  | 0.629  | 0.644  | 0.633  | 0.631  | 0.631  | 0.638  | 0.629  |
| Natural Gas                               | 0.337  | 0.342  | 0.344  | 0.350  | 0.407  | 0.416  | 0.418  | 0.403  | 0.403  | 0.399  | 0.396  | 0.382  | 0.378  |
| 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/                   | 0.006  | 0.007  | 0.008  | 0.008  | 0.008  | 0.009  | 0.009  | 0.009  | 0.010  | 0.010  | 0.010  | 0.010  | 0.010  |
| Natural Gas Subtotal                      | 0.343  | 0.348  | 0.352  | 0.358  | 0.415  | 0.425  | 0.427  | 0.413  | 0.413  | 0.409  | 0.406  | 0.392  | 0.388  |
| Metallurgical Coal                        | 0.188  | 0.183  | 0.183  | 0.186  | 0.182  | 0.179  | 0.177  | 0.172  | 0.167  | 0.166  | 0.166  | 0.167  | 0.166  |
| Other Industrial Coal                     | 0.106  | 0.100  | 0.102  | 0.106  | 0.103  | 0.102  | 0.100  | 0.098  | 0.095  | 0.094  | 0.093  | 0.092  | 0.092  |
| Coal-to-Liquids Heat and Power            | 0.001  | 0.001  | 0.001  | 0.001  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| Net Coal Coke Imports                     | -0.149 | -0.204 | -0.091 | -0.218 | -0.098 | -0.099 | -0.101 | -0.101 | -0.101 | -0.101 | -0.101 | -0.102 | -0.102 |
| Coal Subtotal                             | 0.147  | 0.079  | 0.194  | 0.075  | 0.187  | 0.181  | 0.176  | 0.169  | 0.161  | 0.159  | 0.159  | 0.157  | 0.155  |
| Biofuels Heat and Coproducts              | 0.000  | 0.000  | 0.000  | 0.012  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  |
| Renewable Energy 7/                       | 0.051  | 0.052  | 0.053  | 0.054  | 0.049  | 0.050  | 0.051  | 0.051  | 0.051  | 0.051  | 0.051  | 0.051  | 0.051  |
| Electricity                               | 0.273  | 0.267  | 0.252  | 0.250  | 0.247  | 0.254  | 0.258  | 0.260  | 0.260  | 0.259  | 0.258  | 0.258  | 0.256  |
| Delivered Energy                          | 1.519  | 1.446  | 1.522  | 1.409  | 1.530  | 1.542  | 1.545  | 1.542  | 1.523  | 1.514  | 1.510  | 1.501  | 1.485  |
| Electricity Related Losses                | 0.641  | 0.632  | 0.567  | 0.566  | 0.564  | 0.562  | 0.570  | 0.572  | 0.571  | 0.564  | 0.568  | 0.569  | 0.567  |
| Total                                     | 2.160  | 2.077  | 2.089  | 1.975  | 2.094  | 2.105  | 2.115  | 2.113  | 2.094  | 2.078  | 2.078  | 2.069  | 2.052  |
| <b>Transportation</b>                     |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Liquefied Petroleum Gases                 | 0.001  | 0.002  | 0.002  | 0.002  | 0.002  | 0.001  | 0.001  | 0.001  | 0.001  | 0.001  | 0.001  | 0.001  | 0.001  |
| 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/                         | 1.885  | 1.904  | 1.917  | 1.894  | 1.880  | 1.873  | 1.864  | 1.867  | 1.868  | 1.866  | 1.862  | 1.857  | 1.848  |
| Jet Fuel 9/                               | 0.364  | 0.282  | 0.282  | 0.287  | 0.294  | 0.303  | 0.313  | 0.321  | 0.325  | 0.329  | 0.334  | 0.339  | 0.344  |
| Distillate Fuel Oil 10/                   | 0.568  | 0.586  | 0.594  | 0.592  | 0.597  | 0.612  | 0.627  | 0.638  | 0.645  | 0.651  | 0.658  | 0.666  | 0.672  |
| Residual Fuel Oil                         | 0.156  | 0.157  | 0.167  | 0.164  | 0.161  | 0.158  | 0.155  | 0.155  | 0.154  | 0.154  | 0.154  | 0.154  | 0.153  |

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|   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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/                       | 0.019  | 0.018  | 0.017  | 0.016  | 0.017  | 0.017  | 0.017  | 0.017  | 0.017  | 0.017  | 0.017  | 0.017  | 0.017  |
| Liquid Fuels and Other Petroleum Subtotal | 2.994  | 2.948  | 2.979  | 2.956  | 2.951  | 2.965  | 2.978  | 2.999  | 3.010  | 3.018  | 3.026  | 3.034  | 3.036  |
| Pipeline Fuel Natural Gas                 | 0.043  | 0.043  | 0.044  | 0.043  | 0.044  | 0.043  | 0.044  | 0.044  | 0.044  | 0.044  | 0.044  | 0.045  | 0.045  |
| Compressed Natural Gas                    | 0.002  | 0.003  | 0.003  | 0.003  | 0.004  | 0.004  | 0.005  | 0.005  | 0.006  | 0.006  | 0.006  | 0.007  | 0.007  |
| Electricity                               | 0.012  | 0.012  | 0.012  | 0.012  | 0.013  | 0.013  | 0.013  | 0.013  | 0.014  | 0.014  | 0.014  | 0.014  | 0.014  |
| Delivered Energy                          | 3.051  | 3.005  | 3.038  | 3.014  | 3.012  | 3.025  | 3.040  | 3.062  | 3.073  | 3.082  | 3.091  | 3.100  | 3.102  |
| Electricity Related Losses                | 0.028  | 0.028  | 0.027  | 0.028  | 0.029  | 0.029  | 0.029  | 0.030  | 0.030  | 0.030  | 0.031  | 0.032  | 0.032  |
| Total                                     | 3.079  | 3.034  | 3.066  | 3.042  | 3.040  | 3.054  | 3.069  | 3.091  | 3.103  | 3.112  | 3.122  | 3.131  | 3.134  |
| Delivered Energy Consumption, All Sectors |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Liquefied Petroleum Gases                 | 0.071  | 0.068  | 0.069  | 0.069  | 0.068  | 0.068  | 0.070  | 0.070  | 0.069  | 0.070  | 0.071  | 0.077  | 0.077  |
| 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/                         | 1.914  | 1.933  | 1.947  | 1.924  | 1.908  | 1.901  | 1.892  | 1.895  | 1.895  | 1.893  | 1.889  | 1.883  | 1.875  |
| Jet Fuel 9/                               | 0.364  | 0.282  | 0.282  | 0.287  | 0.294  | 0.303  | 0.313  | 0.321  | 0.325  | 0.329  | 0.334  | 0.339  | 0.344  |
| Kerosene                                  | 0.049  | 0.038  | 0.042  | 0.044  | 0.042  | 0.041  | 0.041  | 0.042  | 0.043  | 0.044  | 0.045  | 0.046  | 0.046  |
| Distillate Fuel Oil                       | 1.160  | 1.091  | 1.142  | 1.141  | 1.126  | 1.129  | 1.148  | 1.160  | 1.166  | 1.172  | 1.180  | 1.190  | 1.194  |
| Residual Fuel Oil                         | 0.258  | 0.258  | 0.259  | 0.257  | 0.251  | 0.244  | 0.240  | 0.251  | 0.249  | 0.248  | 0.250  | 0.250  | 0.248  |
| Petrochemical Feedstocks                  | 0.123  | 0.128  | 0.115  | 0.113  | 0.113  | 0.118  | 0.122  | 0.124  | 0.127  | 0.126  | 0.125  | 0.123  | 0.121  |
| 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/                       | 0.443  | 0.437  | 0.422  | 0.415  | 0.388  | 0.384  | 0.380  | 0.386  | 0.377  | 0.376  | 0.377  | 0.379  | 0.375  |
| Liquid Fuels and Other Petroleum Subtotal | 4.382  | 4.233  | 4.277  | 4.249  | 4.190  | 4.189  | 4.207  | 4.250  | 4.251  | 4.259  | 4.271  | 4.288  | 4.280  |
| Natural Gas                               | 1.857  | 1.686  | 1.827  | 1.857  | 1.897  | 1.875  | 1.889  | 1.891  | 1.901  | 1.910  | 1.920  | 1.919  | 1.921  |
| 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/                   | 0.006  | 0.007  | 0.008  | 0.008  | 0.008  | 0.009  | 0.009  | 0.009  | 0.010  | 0.010  | 0.010  | 0.010  | 0.010  |
| Pipeline Natural Gas                      | 0.043  | 0.043  | 0.044  | 0.043  | 0.044  | 0.043  | 0.044  | 0.044  | 0.044  | 0.044  | 0.044  | 0.045  | 0.045  |
| Natural Gas Subtotal                      | 1.907  | 1.735  | 1.879  | 1.908  | 1.949  | 1.927  | 1.942  | 1.944  | 1.954  | 1.964  | 1.975  | 1.974  | 1.977  |
| Metallurgical Coal                        | 0.188  | 0.183  | 0.183  | 0.186  | 0.182  | 0.179  | 0.177  | 0.172  | 0.167  | 0.166  | 0.166  | 0.167  | 0.166  |
| Other Coal                                | 0.124  | 0.117  | 0.116  | 0.123  | 0.120  | 0.119  | 0.117  | 0.115  | 0.112  | 0.111  | 0.110  | 0.109  | 0.109  |
| Coal-to-Liquids Heat and Power            | 0.001  | 0.001  | 0.001  | 0.001  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| Net Coal Coke Imports                     | -0.149 | -0.204 | -0.091 | -0.218 | -0.098 | -0.099 | -0.101 | -0.101 | -0.101 | -0.101 | -0.101 | -0.102 | -0.102 |
| Coal Subtotal                             | 0.164  | 0.096  | 0.209  | 0.092  | 0.204  | 0.198  | 0.193  | 0.186  | 0.178  | 0.176  | 0.175  | 0.174  | 0.172  |
| Biofuels Heat and Coproducts              | 0.000  | 0.000  | 0.000  | 0.012  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  |
| Renewable Energy 13/                      | 0.159  | 0.148  | 0.164  | 0.168  | 0.161  | 0.157  | 0.157  | 0.156  | 0.155  | 0.154  | 0.154  | 0.153  | 0.152  |
| Electricity                               | 1.296  | 1.268  | 1.298  | 1.306  | 1.301  | 1.316  | 1.331  | 1.342  | 1.337  | 1.342  | 1.349  | 1.357  | 1.362  |
| Delivered Energy                          | 7.908  | 7.481  | 7.826  | 7.735  | 7.809  | 7.793  | 7.835  | 7.883  | 7.880  | 7.900  | 7.927  | 7.952  | 7.949  |
| Electricity Related Losses                | 3.047  | 3.004  | 2.925  | 2.961  | 2.969  | 2.919  | 2.939  | 2.953  | 2.930  | 2.920  | 2.966  | 2.997  | 3.025  |
| Total                                     | 10.955 | 10.484 | 10.751 | 10.696 | 10.778 | 10.711 | 10.774 | 10.836 | 10.809 | 10.820 | 10.893 | 10.949 | 10.974 |
| Electric Power 14/                        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Distillate Fuel Oil                       | 0.026  | 0.011  | 0.021  | 0.023  | 0.023  | 0.025  | 0.025  | 0.025  | 0.025  | 0.025  | 0.027  | 0.028  | 0.028  |
| Residual Fuel Oil                         | 0.287  | 0.079  | 0.099  | 0.099  | 0.099  | 0.099  | 0.099  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  |
| Liquid Fuels and Other Petroleum Subtotal | 0.312  | 0.090  | 0.120  | 0.121  | 0.121  | 0.124  | 0.124  | 0.128  | 0.128  | 0.128  | 0.130  | 0.131  | 0.131  |
| Natural Gas                               | 0.524  | 0.645  | 0.640  | 0.687  | 0.685  | 0.632  | 0.652  | 0.651  | 0.601  | 0.583  | 0.628  | 0.644  | 0.637  |
| Steam Coal                                | 1.563  | 1.568  | 1.491  | 1.483  | 1.489  | 1.441  | 1.465  | 1.450  | 1.449  | 1.455  | 1.476  | 1.493  | 1.521  |
| Nuclear Power                             | 1.525  | 1.541  | 1.552  | 1.547  | 1.544  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  |
| Renewable Energy 15/                      | 0.361  | 0.359  | 0.336  | 0.344  | 0.354  | 0.417  | 0.410  | 0.441  | 0.459  | 0.470  | 0.468  | 0.469  | 0.477  |
| Electricity Imports                       | 0.024  | 0.034  | 0.049  | 0.049  | 0.042  | 0.028  | 0.026  | 0.032  | 0.037  | 0.033  | 0.021  | 0.024  | 0.029  |
| Total 16/                                 | 4.344  | 4.272  | 4.223  | 4.267  | 4.269  | 4.235  | 4.271  | 4.295  | 4.266  | 4.262  | 4.315  | 4.354  | 4.387  |

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|  | 2005          | 2006          | 2007          | 2008          | 2009          | 2010          | 2011          | 2012          | 2013          | 2014          | 2015          | 2016          | 2017          |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total Energy Consumption</b>                |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Liquefied Petroleum Gases                      | 0.071         | 0.068         | 0.069         | 0.069         | 0.068         | 0.068         | 0.070         | 0.070         | 0.069         | 0.070         | 0.071         | 0.077         | 0.077         |
| 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/                              | 1.914         | 1.933         | 1.947         | 1.924         | 1.908         | 1.901         | 1.892         | 1.895         | 1.895         | 1.893         | 1.889         | 1.883         | 1.875         |
| Jet Fuel 9/                                    | 0.364         | 0.282         | 0.282         | 0.287         | 0.294         | 0.303         | 0.313         | 0.321         | 0.325         | 0.329         | 0.334         | 0.339         | 0.344         |
| Kerosene                                       | 0.049         | 0.038         | 0.042         | 0.044         | 0.042         | 0.041         | 0.041         | 0.042         | 0.043         | 0.044         | 0.045         | 0.046         | 0.046         |
| Distillate Fuel Oil                            | 1.186         | 1.102         | 1.163         | 1.164         | 1.149         | 1.154         | 1.173         | 1.185         | 1.190         | 1.197         | 1.207         | 1.217         | 1.221         |
| Residual Fuel Oil                              | 0.545         | 0.337         | 0.358         | 0.356         | 0.349         | 0.343         | 0.339         | 0.354         | 0.351         | 0.351         | 0.353         | 0.353         | 0.351         |
| Petrochemical Feedstocks                       | 0.123         | 0.128         | 0.115         | 0.113         | 0.113         | 0.118         | 0.122         | 0.124         | 0.127         | 0.126         | 0.125         | 0.123         | 0.121         |
| 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/                            | 0.443         | 0.437         | 0.422         | 0.415         | 0.388         | 0.384         | 0.380         | 0.386         | 0.377         | 0.376         | 0.377         | 0.379         | 0.375         |
| Liquid Fuels and Other Petroleum Subtotal      | 4.694         | 4.323         | 4.397         | 4.370         | 4.311         | 4.313         | 4.331         | 4.378         | 4.378         | 4.386         | 4.401         | 4.419         | 4.411         |
| Natural Gas                                    | 2.381         | 2.331         | 2.467         | 2.544         | 2.582         | 2.507         | 2.541         | 2.542         | 2.502         | 2.493         | 2.548         | 2.564         | 2.558         |
| 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/                        | 0.006         | 0.007         | 0.008         | 0.008         | 0.008         | 0.009         | 0.009         | 0.009         | 0.010         | 0.010         | 0.010         | 0.010         | 0.010         |
| Pipeline Natural Gas                           | 0.043         | 0.043         | 0.044         | 0.043         | 0.044         | 0.043         | 0.044         | 0.044         | 0.044         | 0.044         | 0.044         | 0.045         | 0.045         |
| Natural Gas Subtotal                           | 2.430         | 2.380         | 2.519         | 2.595         | 2.634         | 2.559         | 2.594         | 2.595         | 2.555         | 2.546         | 2.602         | 2.619         | 2.614         |
| Metallurgical Coal                             | 0.188         | 0.183         | 0.183         | 0.186         | 0.182         | 0.179         | 0.177         | 0.172         | 0.167         | 0.166         | 0.166         | 0.167         | 0.166         |
| Other Coal                                     | 1.687         | 1.685         | 1.607         | 1.606         | 1.609         | 1.560         | 1.583         | 1.565         | 1.561         | 1.566         | 1.586         | 1.602         | 1.629         |
| Coal-to-Liquids Heat and Power                 | 0.001         | 0.001         | 0.001         | 0.001         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         |
| Net Coal Coke Imports                          | -0.149        | -0.204        | -0.091        | -0.218        | -0.098        | -0.099        | -0.101        | -0.101        | -0.101        | -0.101        | -0.101        | -0.102        | -0.102        |
| Coal Subtotal                                  | 1.727         | 1.664         | 1.700         | 1.575         | 1.693         | 1.640         | 1.658         | 1.636         | 1.627         | 1.631         | 1.650         | 1.666         | 1.693         |
| Nuclear Power                                  | 1.525         | 1.541         | 1.552         | 1.547         | 1.544         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         |
| Biofuels Heat and Coproducts                   | 0.000         | 0.000         | 0.000         | 0.012         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         |
| Renewable Energy 17/                           | 0.520         | 0.507         | 0.500         | 0.513         | 0.514         | 0.574         | 0.567         | 0.597         | 0.613         | 0.624         | 0.621         | 0.623         | 0.629         |
| Electricity Imports                            | 0.024         | 0.034         | 0.049         | 0.049         | 0.042         | 0.028         | 0.026         | 0.032         | 0.037         | 0.033         | 0.021         | 0.024         | 0.029         |
| <b>Total</b>                                   | <b>10.955</b> | <b>10.484</b> | <b>10.751</b> | <b>10.696</b> | <b>10.778</b> | <b>10.711</b> | <b>10.774</b> | <b>10.836</b> | <b>10.809</b> | <b>10.820</b> | <b>10.893</b> | <b>10.949</b> | <b>10.974</b> |
| <b>Energy Use &amp; Related Statistics</b>     |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Delivered Energy Use                           | 7.908         | 7.481         | 7.826         | 7.735         | 7.809         | 7.793         | 7.835         | 7.883         | 7.880         | 7.900         | 7.927         | 7.952         | 7.949         |
| Total Energy Use                               | 10.955        | 10.484        | 10.751        | 10.696        | 10.778        | 10.711        | 10.774        | 10.836        | 10.809        | 10.820        | 10.893        | 10.949        | 10.974        |
| Population (millions)                          | 40.680        | 40.830        | 40.961        | 41.082        | 41.195        | 41.301        | 41.402        | 41.499        | 41.591        | 41.679        | 41.761        | 41.836        | 41.905        |
| Carbon Dioxide Emissions (million metric tons) | 617.54        | 583.35        | 593.32        | 582.45        | 590.73        | 580.22        | 584.44        | 585.88        | 583.18        | 583.48        | 589.32        | 593.26        | 595.32        |

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

|   | 2018   | 2019   | 2020   | 2021   | 2022   | 2023   | 2024   | 2025   | 2026   | 2027   | 2028   | 2029   | 2030   | 2006-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| <b>Residential</b>                        |        |        |        |        |        |        |        |        |        |        |        |        |        |           |
| Liquefied Petroleum Gases                 | 0.038  | 0.039  | 0.039  | 0.039  | 0.040  | 0.040  | 0.040  | 0.041  | 0.041  | 0.041  | 0.042  | 0.042  | 0.042  | 0.8%      |
| Kerosene                                  | 0.035  | 0.036  | 0.036  | 0.037  | 0.037  | 0.038  | 0.038  | 0.039  | 0.039  | 0.040  | 0.040  | 0.040  | 0.041  | 2.0%      |
| Distillate Fuel Oil                       | 0.317  | 0.315  | 0.313  | 0.310  | 0.307  | 0.304  | 0.302  | 0.299  | 0.296  | 0.293  | 0.291  | 0.287  | 0.284  | -0.1%     |
| Liquid Fuels and Other Petroleum Subtotal | 0.391  | 0.389  | 0.388  | 0.386  | 0.384  | 0.382  | 0.381  | 0.378  | 0.375  | 0.373  | 0.372  | 0.369  | 0.367  | 0.2%      |
| Natural Gas                               | 0.900  | 0.902  | 0.907  | 0.908  | 0.909  | 0.910  | 0.913  | 0.911  | 0.912  | 0.914  | 0.910  | 0.909  | 0.909  | 0.6%      |
| 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  | 0.0%      |
| Renewable Energy 1/                       | 0.078  | 0.077  | 0.077  | 0.076  | 0.075  | 0.075  | 0.074  | 0.073  | 0.072  | 0.072  | 0.071  | 0.070  | 0.070  | -0.2%     |
| Electricity                               | 0.456  | 0.457  | 0.458  | 0.458  | 0.460  | 0.463  | 0.467  | 0.469  | 0.472  | 0.476  | 0.481  | 0.483  | 0.486  | 0.4%      |
| Delivered Energy                          | 1.826  | 1.827  | 1.832  | 1.829  | 1.831  | 1.831  | 1.837  | 1.833  | 1.833  | 1.835  | 1.839  | 1.834  | 1.833  | 0.4%      |
| Electricity Related Losses                | 1.014  | 1.012  | 1.008  | 1.003  | 1.001  | 1.006  | 1.014  | 1.017  | 1.029  | 1.042  | 1.060  | 1.080  | 1.075  | 0.1%      |
| Total                                     | 2.840  | 2.840  | 2.840  | 2.832  | 2.832  | 2.838  | 2.851  | 2.849  | 2.862  | 2.877  | 2.899  | 2.914  | 2.908  | 0.3%      |
| <b>Commercial</b>                         |        |        |        |        |        |        |        |        |        |        |        |        |        |           |
| Liquefied Petroleum Gases                 | 0.007  | 0.007  | 0.007  | 0.007  | 0.007  | 0.007  | 0.007  | 0.008  | 0.008  | 0.008  | 0.008  | 0.008  | 0.008  | 0.4%      |
| Motor Gasoline 2/                         | 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%      |
| Kerosene                                  | 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  | 0.1%      |
| Distillate Fuel Oil                       | 0.140  | 0.139  | 0.139  | 0.138  | 0.138  | 0.138  | 0.137  | 0.137  | 0.136  | 0.136  | 0.136  | 0.135  | 0.135  | -0.2%     |
| Residual Fuel Oil                         | 0.067  | 0.067  | 0.067  | 0.068  | 0.068  | 0.067  | 0.067  | 0.067  | 0.068  | 0.068  | 0.067  | 0.067  | 0.068  | -0.4%     |
| Liquid Fuels and Other Petroleum Subtotal | 0.223  | 0.223  | 0.222  | 0.222  | 0.222  | 0.222  | 0.221  | 0.221  | 0.221  | 0.221  | 0.220  | 0.219  | 0.219  | -0.2%     |
| Natural Gas                               | 0.645  | 0.650  | 0.655  | 0.662  | 0.668  | 0.673  | 0.678  | 0.683  | 0.689  | 0.695  | 0.701  | 0.708  | 0.715  | 1.0%      |
| 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  | -0.2%     |
| Renewable Energy 3/                       | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.022  | 0.0%      |
| Electricity                               | 0.644  | 0.652  | 0.659  | 0.666  | 0.674  | 0.680  | 0.686  | 0.692  | 0.698  | 0.704  | 0.710  | 0.715  | 0.721  | 1.1%      |
| Delivered Energy                          | 1.550  | 1.561  | 1.574  | 1.588  | 1.601  | 1.612  | 1.623  | 1.634  | 1.646  | 1.658  | 1.668  | 1.680  | 1.692  | 0.9%      |
| Electricity Related Losses                | 1.433  | 1.442  | 1.450  | 1.460  | 1.465  | 1.479  | 1.491  | 1.502  | 1.521  | 1.542  | 1.565  | 1.601  | 1.594  | 0.8%      |
| Total                                     | 2.983  | 3.004  | 3.023  | 3.048  | 3.066  | 3.091  | 3.114  | 3.136  | 3.167  | 3.200  | 3.233  | 3.281  | 3.286  | 0.8%      |
| <b>Industrial 4/</b>                      |        |        |        |        |        |        |        |        |        |        |        |        |        |           |
| Liquefied Petroleum Gases                 | 0.030  | 0.029  | 0.028  | 0.020  | 0.017  | 0.017  | 0.017  | 0.016  | 0.016  | 0.016  | 0.016  | 0.015  | 0.015  | -1.8%     |
| Motor Gasoline 2/                         | 0.024  | 0.024  | 0.024  | 0.023  | 0.023  | 0.023  | 0.023  | 0.023  | 0.023  | 0.023  | 0.023  | 0.023  | 0.023  | -0.7%     |
| Distillate Fuel Oil                       | 0.061  | 0.060  | 0.059  | 0.058  | 0.058  | 0.057  | 0.056  | 0.056  | 0.055  | 0.055  | 0.054  | 0.053  | 0.053  | -1.2%     |
| Residual Fuel Oil                         | 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%      |
| Petrochemical Feedstocks                  | 0.118  | 0.114  | 0.112  | 0.110  | 0.107  | 0.105  | 0.102  | 0.100  | 0.098  | 0.096  | 0.093  | 0.091  | 0.088  | -1.5%     |
| Other Petroleum 5/                        | 0.358  | 0.354  | 0.350  | 0.354  | 0.353  | 0.351  | 0.359  | 0.360  | 0.359  | 0.368  | 0.367  | 0.365  | 0.375  | -0.5%     |
| Liquid Fuels and Other Petroleum Subtotal | 0.619  | 0.608  | 0.600  | 0.593  | 0.586  | 0.580  | 0.584  | 0.582  | 0.578  | 0.585  | 0.580  | 0.574  | 0.581  | -0.8%     |
| Natural Gas                               | 0.375  | 0.373  | 0.372  | 0.373  | 0.372  | 0.370  | 0.362  | 0.361  | 0.359  | 0.354  | 0.352  | 0.347  | 0.339  | 0.0%      |
| 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/                   | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 0.011  | 2.2%      |
| Natural Gas Subtotal                      | 0.386  | 0.383  | 0.383  | 0.384  | 0.382  | 0.381  | 0.372  | 0.372  | 0.370  | 0.365  | 0.363  | 0.358  | 0.351  | 0.0%      |
| Metallurgical Coal                        | 0.165  | 0.163  | 0.162  | 0.162  | 0.160  | 0.159  | 0.157  | 0.155  | 0.152  | 0.150  | 0.147  | 0.143  | 0.139  | -1.1%     |
| Other Industrial Coal                     | 0.091  | 0.090  | 0.090  | 0.089  | 0.089  | 0.088  | 0.088  | 0.088  | 0.087  | 0.087  | 0.086  | 0.086  | 0.085  | -0.7%     |
| 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  | -34.8%    |
| Net Coal Coke Imports                     | -0.102 | -0.101 | -0.100 | -0.100 | -0.099 | -0.099 | -0.097 | -0.096 | -0.095 | -0.093 | -0.091 | -0.089 | -0.087 | -3.5%     |
| Coal Subtotal                             | 0.154  | 0.152  | 0.151  | 0.151  | 0.150  | 0.149  | 0.147  | 0.146  | 0.145  | 0.143  | 0.142  | 0.140  | 0.138  | 2.3%      |
| Biofuels Heat and Coproducts              | 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  | --        |
| Renewable Energy 7/                       | 0.051  | 0.051  | 0.051  | 0.052  | 0.052  | 0.052  | 0.052  | 0.052  | 0.052  | 0.052  | 0.052  | 0.052  | 0.052  | 0.0%      |
| Electricity                               | 0.253  | 0.250  | 0.248  | 0.245  | 0.242  | 0.239  | 0.235  | 0.232  | 0.229  | 0.227  | 0.224  | 0.221  | 0.218  | -0.8%     |
| Delivered Energy                          | 1.468  | 1.451  | 1.438  | 1.430  | 1.417  | 1.405  | 1.396  | 1.389  | 1.378  | 1.377  | 1.365  | 1.344  | 1.343  | -0.3%     |
| Electricity Related Losses                | 0.563  | 0.554  | 0.545  | 0.538  | 0.526  | 0.519  | 0.511  | 0.504  | 0.499  | 0.498  | 0.494  | 0.494  | 0.482  | -1.1%     |
| Total                                     | 2.030  | 2.005  | 1.983  | 1.967  | 1.943  | 1.924  | 1.907  | 1.893  | 1.877  | 1.874  | 1.859  | 1.838  | 1.826  | -0.5%     |
| <b>Transportation</b>                     |        |        |        |        |        |        |        |        |        |        |        |        |        |           |
| Liquefied Petroleum Gases                 | 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  | -4.3%     |
| E85 8/                                    | 0.001  | 0.001  | 0.023  | 0.140  | 0.206  | 0.239  | 0.210  | 0.002  | 0.002  | 0.002  | 0.001  | 0.001  | 0.001  | 12.7%     |
| Motor Gasoline 2/                         | 1.835  | 1.816  | 1.776  | 1.669  | 1.600  | 1.558  | 1.565  | 1.712  | 1.699  | 1.689  | 1.679  | 1.671  | 1.665  | -0.6%     |
| Jet Fuel 9/                               | 0.349  | 0.353  | 0.358  | 0.363  | 0.367  | 0.371  | 0.375  | 0.379  | 0.383  | 0.387  | 0.391  | 0.395  | 0.399  | 1.5%      |
| Distillate Fuel Oil 10/                   | 0.680  | 0.688  | 0.698  | 0.707  | 0.717  | 0.727  | 0.738  | 0.748  | 0.760  | 0.772  | 0.784  | 0.796  | 0.808  | 1.4%      |
| Residual Fuel Oil                         | 0.153  | 0.152  | 0.152  | 0.151  | 0.151  | 0.151  | 0.150  | 0.150  | 0.149  | 0.149  | 0.148  | 0.148  | 0.147  | -0.3%     |

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

|   | 2018   | 2019   | 2020   | 2021   | 2022   | 2023   | 2024   | 2025   | 2026   | 2027   | 2028   | 2029   | 2030   | 2006-2030 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| 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  | 44.0%     |
| Other Petroleum 11/                       | 0.017  | 0.017  | 0.017  | 0.017  | 0.016  | 0.016  | 0.016  | 0.016  | 0.016  | 0.016  | 0.016  | 0.016  | 0.016  | -0.4%     |
| Liquid Fuels and Other Petroleum Subtotal | 3.035  | 3.028  | 3.025  | 3.047  | 3.058  | 3.063  | 3.055  | 3.008  | 3.011  | 3.016  | 3.021  | 3.028  | 3.038  | 0.1%      |
| Pipeline Fuel Natural Gas                 | 0.045  | 0.045  | 0.045  | 0.046  | 0.046  | 0.046  | 0.046  | 0.046  | 0.046  | 0.045  | 0.045  | 0.045  | 0.045  | 0.2%      |
| Compressed Natural Gas                    | 0.007  | 0.007  | 0.007  | 0.008  | 0.008  | 0.008  | 0.008  | 0.008  | 0.008  | 0.008  | 0.008  | 0.008  | 0.009  | 5.1%      |
| Electricity                               | 0.015  | 0.015  | 0.015  | 0.015  | 0.015  | 0.016  | 0.016  | 0.016  | 0.016  | 0.016  | 0.016  | 0.017  | 0.017  | 1.4%      |
| Delivered Energy                          | 3.102  | 3.095  | 3.092  | 3.116  | 3.127  | 3.132  | 3.125  | 3.078  | 3.081  | 3.086  | 3.092  | 3.098  | 3.108  | 0.1%      |
| Electricity Related Losses                | 0.033  | 0.033  | 0.033  | 0.033  | 0.033  | 0.034  | 0.034  | 0.035  | 0.035  | 0.036  | 0.036  | 0.037  | 0.037  | 1.1%      |
| Total                                     | 3.134  | 3.128  | 3.126  | 3.149  | 3.161  | 3.166  | 3.159  | 3.113  | 3.116  | 3.121  | 3.128  | 3.136  | 3.145  | 0.2%      |
| Delivered Energy Consumption, All Sectors |        |        |        |        |        |        |        |        |        |        |        |        |        |           |
| Liquefied Petroleum Gases                 | 0.076  | 0.076  | 0.076  | 0.068  | 0.065  | 0.065  | 0.065  | 0.066  | 0.066  | 0.066  | 0.066  | 0.066  | 0.066  | -0.1%     |
| E85 8/                                    | 0.001  | 0.001  | 0.023  | 0.140  | 0.206  | 0.239  | 0.210  | 0.002  | 0.002  | 0.002  | 0.001  | 0.001  | 0.001  | 12.7%     |
| Motor Gasoline 2/                         | 1.862  | 1.842  | 1.802  | 1.694  | 1.625  | 1.583  | 1.590  | 1.737  | 1.725  | 1.714  | 1.704  | 1.696  | 1.690  | -0.6%     |
| Jet Fuel 9/                               | 0.349  | 0.353  | 0.358  | 0.363  | 0.367  | 0.371  | 0.375  | 0.379  | 0.383  | 0.387  | 0.391  | 0.395  | 0.399  | 1.5%      |
| Kerosene                                  | 0.047  | 0.047  | 0.048  | 0.049  | 0.049  | 0.050  | 0.050  | 0.051  | 0.051  | 0.052  | 0.052  | 0.052  | 0.053  | 1.4%      |
| Distillate Fuel Oil                       | 1.198  | 1.202  | 1.209  | 1.214  | 1.219  | 1.226  | 1.233  | 1.239  | 1.247  | 1.255  | 1.264  | 1.271  | 1.280  | 0.7%      |
| Residual Fuel Oil                         | 0.248  | 0.247  | 0.247  | 0.246  | 0.246  | 0.245  | 0.244  | 0.244  | 0.244  | 0.244  | 0.243  | 0.242  | 0.242  | -0.3%     |
| Petrochemical Feedstocks                  | 0.118  | 0.114  | 0.112  | 0.110  | 0.107  | 0.105  | 0.102  | 0.100  | 0.098  | 0.096  | 0.093  | 0.091  | 0.088  | -1.5%     |
| 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  | 44.0%     |
| Other Petroleum 12/                       | 0.370  | 0.365  | 0.361  | 0.365  | 0.365  | 0.363  | 0.370  | 0.371  | 0.370  | 0.379  | 0.378  | 0.376  | 0.386  | -0.5%     |
| Liquid Fuels and Other Petroleum Subtotal | 4.268  | 4.249  | 4.235  | 4.248  | 4.250  | 4.246  | 4.242  | 4.189  | 4.185  | 4.194  | 4.193  | 4.191  | 4.204  | 0.0%      |
| Natural Gas                               | 1.927  | 1.931  | 1.942  | 1.950  | 1.957  | 1.962  | 1.961  | 1.964  | 1.968  | 1.970  | 1.976  | 1.973  | 1.971  | 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  | --        |
| Lease and Plant Fuel 6/                   | 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  | 2.2%      |
| Pipeline Natural Gas                      | 0.045  | 0.045  | 0.045  | 0.046  | 0.046  | 0.046  | 0.046  | 0.046  | 0.046  | 0.045  | 0.045  | 0.045  | 0.045  | 0.2%      |
| Natural Gas Subtotal                      | 1.982  | 1.987  | 1.998  | 2.007  | 2.013  | 2.018  | 2.018  | 2.020  | 2.025  | 2.026  | 2.032  | 2.029  | 2.027  | 0.7%      |
| Metallurgical Coal                        | 0.165  | 0.163  | 0.162  | 0.162  | 0.160  | 0.159  | 0.157  | 0.155  | 0.152  | 0.150  | 0.147  | 0.143  | 0.139  | -1.1%     |
| Other Coal                                | 0.108  | 0.107  | 0.107  | 0.106  | 0.106  | 0.105  | 0.105  | 0.104  | 0.104  | 0.103  | 0.103  | 0.102  | 0.102  | -0.6%     |
| 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  | -34.8%    |
| Net Coal Coke Imports                     | -0.102 | -0.101 | -0.101 | -0.100 | -0.100 | -0.099 | -0.097 | -0.096 | -0.095 | -0.093 | -0.091 | -0.089 | -0.087 | -3.5%     |
| Coal Subtotal                             | 0.171  | 0.169  | 0.168  | 0.168  | 0.167  | 0.165  | 0.164  | 0.163  | 0.161  | 0.160  | 0.158  | 0.156  | 0.154  | 2.0%      |
| Biofuels Heat and Coproducts              | 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  | --        |
| Renewable Energy 13/                      | 0.152  | 0.151  | 0.151  | 0.150  | 0.149  | 0.149  | 0.148  | 0.147  | 0.147  | 0.146  | 0.145  | 0.144  | 0.144  | -0.1%     |
| Electricity                               | 1.368  | 1.374  | 1.379  | 1.385  | 1.391  | 1.397  | 1.404  | 1.409  | 1.416  | 1.423  | 1.430  | 1.436  | 1.442  | 0.5%      |
| Delivered Energy                          | 7.945  | 7.935  | 7.936  | 7.962  | 7.975  | 7.981  | 7.981  | 7.933  | 7.938  | 7.955  | 7.964  | 7.957  | 7.976  | 0.3%      |
| Electricity Related Losses                | 3.042  | 3.041  | 3.036  | 3.033  | 3.026  | 3.037  | 3.050  | 3.058  | 3.085  | 3.118  | 3.155  | 3.211  | 3.188  | 0.2%      |
| Total                                     | 10.988 | 10.977 | 10.972 | 10.996 | 11.002 | 11.018 | 11.031 | 10.991 | 11.023 | 11.073 | 11.119 | 11.168 | 11.164 | 0.3%      |
| Electric Power 14/                        |        |        |        |        |        |        |        |        |        |        |        |        |        |           |
| Distillate Fuel Oil                       | 0.028  | 0.027  | 0.027  | 0.027  | 0.027  | 0.027  | 0.026  | 0.026  | 0.026  | 0.025  | 0.024  | 0.023  | 0.023  | 3.1%      |
| Residual Fuel Oil                         | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 0.103  | 1.1%      |
| Liquid Fuels and Other Petroleum Subtotal | 0.130  | 0.130  | 0.130  | 0.130  | 0.130  | 0.130  | 0.129  | 0.129  | 0.129  | 0.128  | 0.128  | 0.127  | 0.126  | 1.4%      |
| Natural Gas                               | 0.608  | 0.589  | 0.577  | 0.571  | 0.566  | 0.561  | 0.561  | 0.553  | 0.540  | 0.523  | 0.509  | 0.498  | 0.493  | -1.1%     |
| Steam Coal                                | 1.565  | 1.599  | 1.611  | 1.624  | 1.627  | 1.639  | 1.650  | 1.668  | 1.715  | 1.777  | 1.832  | 1.906  | 2.028  | 1.1%      |
| Nuclear Power                             | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.558  | 1.541  | 1.409  | -0.4%  |           |
| Renewable Energy 15/                      | 0.487  | 0.472  | 0.477  | 0.475  | 0.476  | 0.485  | 0.490  | 0.494  | 0.494  | 0.490  | 0.494  | 0.501  | 0.497  | 1.4%      |
| Electricity Imports                       | 0.027  | 0.032  | 0.025  | 0.026  | 0.026  | 0.028  | 0.031  | 0.030  | 0.030  | 0.030  | 0.030  | 0.040  | 0.043  | 1.0%      |
| Total 16/                                 | 4.410  | 4.415  | 4.415  | 4.418  | 4.417  | 4.434  | 4.454  | 4.467  | 4.500  | 4.542  | 4.586  | 4.647  | 4.630  | 0.3%      |

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

|  | 2018          | 2019          | 2020          | 2021          | 2022          | 2023          | 2024          | 2025          | 2026          | 2027          | 2028          | 2029          | 2030          | 2006-2030   |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| Total Energy Consumption                       |               |               |               |               |               |               |               |               |               |               |               |               |               |             |
| Liquefied Petroleum Gases                      | 0.076         | 0.076         | 0.076         | 0.068         | 0.065         | 0.065         | 0.065         | 0.066         | 0.066         | 0.066         | 0.066         | 0.066         | 0.066         | -0.1%       |
| E85 8/   | 0.001         | 0.001         | 0.023         | 0.140         | 0.206         | 0.239         | 0.210         | 0.002         | 0.002         | 0.002         | 0.001         | 0.001         | 0.001         | 12.7%       |
| Motor Gasoline 2/                              | 1.862         | 1.842         | 1.802         | 1.694         | 1.625         | 1.583         | 1.590         | 1.737         | 1.725         | 1.714         | 1.704         | 1.696         | 1.690         | -0.6%       |
| Jet Fuel 9/                                    | 0.349         | 0.353         | 0.358         | 0.363         | 0.367         | 0.371         | 0.375         | 0.379         | 0.383         | 0.387         | 0.391         | 0.395         | 0.399         | 1.5%        |
| Kerosene                                       | 0.047         | 0.047         | 0.048         | 0.049         | 0.049         | 0.050         | 0.050         | 0.051         | 0.051         | 0.052         | 0.052         | 0.052         | 0.053         | 1.4%        |
| Distillate Fuel Oil                            | 1.226         | 1.230         | 1.236         | 1.241         | 1.246         | 1.252         | 1.260         | 1.266         | 1.273         | 1.281         | 1.289         | 1.295         | 1.303         | 0.7%        |
| Residual Fuel Oil                              | 0.351         | 0.350         | 0.349         | 0.349         | 0.348         | 0.348         | 0.347         | 0.347         | 0.347         | 0.347         | 0.346         | 0.345         | 0.345         | 0.1%        |
| Petrochemical Feedstocks                       | 0.118         | 0.114         | 0.112         | 0.110         | 0.107         | 0.105         | 0.102         | 0.100         | 0.098         | 0.096         | 0.093         | 0.091         | 0.088         | -1.5%       |
| 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         | 44.0%       |
| Other Petroleum 12/                            | 0.370         | 0.365         | 0.361         | 0.365         | 0.365         | 0.363         | 0.370         | 0.371         | 0.370         | 0.379         | 0.378         | 0.376         | 0.386         | -0.5%       |
| Liquid Fuels and Other Petroleum Subtotal      | 4.398         | 4.379         | 4.366         | 4.378         | 4.379         | 4.376         | 4.371         | 4.317         | 4.314         | 4.323         | 4.321         | 4.317         | 4.330         | 0.0%        |
| Natural Gas                                    | 2.534         | 2.520         | 2.520         | 2.522         | 2.522         | 2.522         | 2.522         | 2.517         | 2.509         | 2.493         | 2.484         | 2.471         | 2.464         | 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         | --          |
| Lease and Plant Fuel 6/                        | 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         | 2.2%        |
| Pipeline Natural Gas                           | 0.045         | 0.045         | 0.045         | 0.046         | 0.046         | 0.046         | 0.046         | 0.046         | 0.046         | 0.045         | 0.045         | 0.045         | 0.045         | 0.2%        |
| Natural Gas Subtotal                           | 2.590         | 2.576         | 2.576         | 2.578         | 2.579         | 2.579         | 2.579         | 2.574         | 2.565         | 2.549         | 2.541         | 2.527         | 2.520         | 0.2%        |
| Metallurgical Coal                             | 0.165         | 0.163         | 0.162         | 0.162         | 0.160         | 0.159         | 0.157         | 0.155         | 0.152         | 0.150         | 0.147         | 0.143         | 0.139         | -1.1%       |
| Other Coal                                     | 1.673         | 1.707         | 1.718         | 1.730         | 1.732         | 1.744         | 1.755         | 1.773         | 1.819         | 1.881         | 1.935         | 2.008         | 2.130         | 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         | -34.8%      |
| Net Coal Coke Imports                          | -0.102        | -0.101        | -0.101        | -0.100        | -0.100        | -0.099        | -0.097        | -0.096        | -0.095        | -0.093        | -0.091        | -0.089        | -0.087        | -3.5%       |
| Coal Subtotal                                  | 1.735         | 1.769         | 1.780         | 1.791         | 1.793         | 1.804         | 1.814         | 1.831         | 1.876         | 1.937         | 1.991         | 2.062         | 2.182         | 1.1%        |
| Nuclear Power                                  | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.558         | 1.541         | 1.409         | -0.4%       |
| Biofuels Heat and Coproducts                   | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005         | 0.000         | 0.005         | --          |
| Renewable Energy 17/                           | 0.639         | 0.623         | 0.628         | 0.625         | 0.626         | 0.634         | 0.638         | 0.641         | 0.640         | 0.636         | 0.639         | 0.645         | 0.641         | 1.0%        |
| Electricity Imports                            | 0.027         | 0.032         | 0.025         | 0.026         | 0.026         | 0.028         | 0.031         | 0.030         | 0.030         | 0.030         | 0.030         | 0.040         | 0.043         | 1.0%        |
| <b>Total</b>                                   | <b>10.988</b> | <b>10.977</b> | <b>10.972</b> | <b>10.996</b> | <b>11.002</b> | <b>11.018</b> | <b>11.031</b> | <b>10.991</b> | <b>11.023</b> | <b>11.073</b> | <b>11.119</b> | <b>11.168</b> | <b>11.164</b> | <b>0.3%</b> |
| <b>Energy Use &amp; Related Statistics</b>     |               |               |               |               |               |               |               |               |               |               |               |               |               |             |
| Delivered Energy Use                           | 7.945         | 7.935         | 7.936         | 7.962         | 7.975         | 7.981         | 7.981         | 7.933         | 7.938         | 7.955         | 7.964         | 7.957         | 7.976         | 0.3%        |
| Total Energy Use                               | 10.988        | 10.977        | 10.972        | 10.996        | 11.002        | 11.018        | 11.031        | 10.991        | 11.023        | 11.073        | 11.119        | 11.168        | 11.164        | 0.3%        |
| Population (millions)                          | 41.966        | 42.020        | 42.066        | 42.106        | 42.142        | 42.172        | 42.196        | 42.215        | 42.232        | 42.247        | 42.260        | 42.271        | 42.280        | 0.1%        |
| Carbon Dioxide Emissions (million metric tons) | 597.51        | 599.18        | 598.57        | 595.58        | 593.59        | 593.32        | 595.54        | 602.21        | 606.01        | 611.83        | 616.52        | 622.42        | 634.57        | 0.4%        |

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

1/ Includes wood used for residential heating. See Table 4 and/or Table 17 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 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 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, 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, biogenic municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.  
16/ Includes non-biogenic municipal waste not included above.  
17/ Includes hydroelectric, geothermal, wood and wood waste, biogenic 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.

-- = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2005 and 2006 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: 2005 and 2006 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2006, DOE/EIA-0384(2006) (Washington, DC, June 2007).  
2005 and 2006 population and gross domestic product: Global Insight, Global Insight Industry and Employment models, July 2007. 2005 and 2006 carbon dioxide emissions:  
EIA, Emissions of Greenhouse Gases in the United States 2006, DOE/EIA-0573(2006) (Washington, DC, December 2007). Projections: EIA, AEO2008 National Energy Modeling System run aeo2008.d030208f.