

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

Middle Atlantic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	1.150	1.169	1.189	1.141	1.140	1.150	1.159	1.169	1.178	1.183	1.185	1.188	1.191	1.194	1.196
Kerosene	0.039	0.046	0.046	0.049	0.047	0.047	0.046	0.046	0.046	0.046	0.045	0.045	0.045	0.044	0.044
Jet Fuel 9/	0.365	0.375	0.375	0.383	0.395	0.403	0.412	0.425	0.438	0.444	0.449	0.453	0.457	0.461	0.466
Liquefied Petroleum Gas	0.079	0.082	0.081	0.081	0.083	0.083	0.084	0.086	0.087	0.087	0.088	0.088	0.089	0.089	0.089
Motor Gasoline 2/	1.882	1.917	1.924	1.927	1.952	1.973	1.994	2.015	2.034	2.048	2.060	2.073	2.086	2.096	2.108
Petrochemical Feedstocks	0.136	0.145	0.131	0.137	0.143	0.143	0.144	0.145	0.146	0.145	0.143	0.142	0.143	0.142	0.140
Residual Fuel	0.418	0.460	0.419	0.405	0.449	0.451	0.441	0.432	0.431	0.447	0.441	0.440	0.403	0.388	0.384
Other Petroleum 12/	0.442	0.439	0.429	0.430	0.432	0.447	0.440	0.451	0.446	0.453	0.450	0.448	0.458	0.455	0.460
Petroleum Subtotal	4.512	4.633	4.595	4.554	4.641	4.696	4.721	4.769	4.805	4.854	4.862	4.878	4.871	4.869	4.887
Natural Gas	2.448	2.367	2.430	2.358	2.381	2.419	2.445	2.470	2.537	2.586	2.622	2.655	2.754	2.824	2.858
Lease and Plant Fuel 6/	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Pipeline Natural Gas	0.080	0.080	0.066	0.062	0.059	0.058	0.057	0.055	0.056	0.057	0.058	0.058	0.060	0.061	0.062
Natural Gas Subtotal	2.534	2.453	2.502	2.426	2.446	2.483	2.509	2.532	2.600	2.650	2.687	2.720	2.821	2.892	2.927
Metallurgical Coal	0.209	0.204	0.202	0.195	0.199	0.198	0.197	0.198	0.198	0.197	0.195	0.194	0.194	0.193	0.192
Other Coal	1.652	1.691	1.780	1.804	1.832	1.886	1.904	1.913	1.819	1.909	1.911	1.907	1.917	1.916	1.921
Coal-to-Liquids Heat and Power	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Coal Coke Imports	-0.279	-0.686	-0.407	-0.107	-0.110	-0.110	-0.110	-0.111	-0.111	-0.111	-0.110	-0.110	-0.110	-0.110	-0.110
Coal Subtotal	1.582	1.210	1.575	1.891	1.920	1.974	1.991	2.000	1.906	1.995	1.996	1.992	2.001	2.000	2.004
Nuclear Power	1.482	1.534	1.497	1.522	1.522	1.529	1.536	1.536	1.537	1.537	1.537	1.544	1.544	1.544	1.544
Renewable Energy 16/	0.558	0.558	0.594	0.609	0.622	0.620	0.621	0.617	0.615	0.615	0.615	0.619	0.617	0.618	0.618
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.018	0.017	0.034	0.025	0.014	0.026	0.032	0.034	0.035	0.035	0.033	0.034	0.036	0.032	0.027
Total	10.685	10.404	10.798	11.027	11.166	11.329	11.410	11.489	11.498	11.687	11.730	11.786	11.889	11.955	12.006
Energy Use and Related Statistics															
Delivered Energy Use	7.797	7.407	7.710	7.913	8.015	8.093	8.155	8.227	8.286	8.348	8.370	8.399	8.447	8.485	8.517
Total Energy Use	10.685	10.404	10.798	11.027	11.166	11.329	11.410	11.489	11.498	11.687	11.730	11.786	11.889	11.955	12.006
Population (millions)	40.308	40.393	40.537	40.672	40.797	40.912	41.024	41.130	41.231	41.328	41.420	41.507	41.589	41.664	41.732
US GDP (billion 2000 dollars)	10321	10756	11147	11513	11875	12288	12671	13043	13417	13793	14191	14622	15082	15575	16092
Carbon Dioxide Emissions (million metric tons)	5795	5900	5967	5978	6080	6182	6281	6365	6440	6536	6595	6654	6718	6794	6869

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Middle Atlantic	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	1.199	1.201	1.204	1.207	1.211	1.215	1.221	1.226	1.233	1.241	1.249	1.257	1.266	0.3%
Kerosene	0.044	0.043	0.043	0.042	0.042	0.042	0.041	0.041	0.041	0.040	0.040	0.040	0.039	-0.6%
Jet Fuel 9/	0.470	0.473	0.471	0.470	0.468	0.467	0.465	0.464	0.463	0.462	0.463	0.464	0.466	0.8%
Liquefied Petroleum Gas	0.089	0.089	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.4%
Motor Gasoline 2/	2.121	2.131	2.139	2.146	2.152	2.159	2.165	2.171	2.178	2.185	2.192	2.199	2.205	0.5%
Petrochemical Feedstocks	0.138	0.135	0.133	0.132	0.130	0.128	0.127	0.125	0.124	0.123	0.121	0.120	0.118	-0.8%
Residual Fuel	0.380	0.400	0.400	0.406	0.394	0.381	0.384	0.389	0.418	0.435	0.435	0.432	0.432	-0.2%
Other Petroleum 12/	0.459	0.453	0.462	0.458	0.463	0.466	0.463	0.460	0.462	0.460	0.459	0.458	0.457	0.2%
Petroleum Subtotal	4.899	4.925	4.942	4.950	4.950	4.948	4.956	4.966	5.008	5.037	5.050	5.060	5.074	0.4%
Natural Gas	2.879	2.889	2.929	2.939	2.955	2.965	2.955	2.924	2.878	2.848	2.831	2.812	2.819	0.7%
Lease and Plant Fuel 6/	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	2.3%
Pipeline Natural Gas	0.062	0.062	0.062	0.062	0.062	0.062	0.061	0.060	0.059	0.058	0.058	0.057	0.057	-1.3%
Natural Gas Subtotal	2.948	2.958	2.999	3.009	3.025	3.035	3.025	2.993	2.946	2.916	2.898	2.879	2.887	0.6%
Metallurgical Coal	0.191	0.189	0.187	0.185	0.183	0.181	0.180	0.179	0.178	0.177	0.176	0.175	0.174	-0.6%
Other Coal	1.923	1.927	1.930	1.929	1.945	1.990	2.055	2.104	2.174	2.241	2.315	2.387	2.456	1.4%
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Net Coal Coke Imports	-0.109	-0.108	-0.107	-0.106	-0.105	-0.105	-0.104	-0.103	-0.103	-0.102	-0.101	-0.101	-0.100	-7.1%
Coal Subtotal	2.005	2.008	2.010	2.008	2.023	2.067	2.132	2.179	2.249	2.316	2.390	2.461	2.529	2.9%
Nuclear Power	1.544	1.568	1.568	1.568	1.568	1.568	1.568	1.568	1.568	1.568	1.568	1.568	1.567	0.1%
Renewable Energy 16/	0.621	0.621	0.621	0.622	0.623	0.623	0.623	0.621	0.622	0.623	0.623	0.622	0.622	0.4%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	N/A
Electricity Imports	0.027	0.021	0.022	0.022	0.022	0.025	0.021	0.023	0.022	0.021	0.022	0.021	0.022	0.9%
Total	12.044	12.101	12.162	12.179	12.211	12.265	12.324	12.350	12.415	12.480	12.550	12.611	12.700	0.8%

Energy Use and Related Statistics

Delivered Energy Use	8.544	8.570	8.600	8.600	8.615	8.637	8.654	8.667	8.693	8.716	8.746	8.765	8.794	0.7%
Total Energy Use	12.044	12.101	12.162	12.179	12.211	12.265	12.324	12.350	12.415	12.480	12.550	12.611	12.700	0.8%
Population (millions)	41.793	41.846	41.892	41.931	41.965	41.995	42.018	42.037	42.053	42.067	42.079	42.089	42.097	0.2%
US GDP (billion 2000 dollars)	16599	17064	17541	18021	18515	19026	19562	20123	20701	21286	21871	22482	23112	3.0%
Carbon Dioxide Emissions (million metric tons)	6952	7030	7119	7206	7296	7387	7494	7587	7690	7799	7912	8019	8114	1.2%

Table 2. Energy Consumption by Sector and Source

(quadrillion Btu, unless otherwise noted)

Middle Atlantic

1/ Includes wood used for residential heating. See Annual Energy Outlook 2006 Appendix A 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. See Annual Energy Outlook 2006 Appendix A Table 17 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.

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 for on- and off-road use.

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 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 2003 and 2004 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: 2003 and 2004 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 population and gross domestic product: Global Insight macroeconomic model CTL0805. 2003 and 2004 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2004, DOE/EIA-0573(2004) (Washington, DC, December 2005). Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.