

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

New England	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	0.618	0.610	0.623	0.585	0.581	0.586	0.591	0.596	0.599	0.603	0.604	0.606	0.607	0.608	0.609
Kerosene	0.015	0.018	0.019	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.018	0.018	0.018
Jet Fuel 9/	0.067	0.069	0.069	0.071	0.073	0.075	0.077	0.079	0.081	0.083	0.084	0.085	0.086	0.087	0.088
Liquefied Petroleum Gas	0.044	0.046	0.045	0.045	0.046	0.046	0.047	0.048	0.048	0.049	0.049	0.050	0.050	0.050	0.050
Motor Gasoline 2/	0.805	0.820	0.822	0.827	0.841	0.853	0.866	0.879	0.890	0.899	0.908	0.917	0.925	0.933	0.941
Petrochemical Feedstocks	0.047	0.050	0.045	0.048	0.050	0.050	0.050	0.050	0.051	0.051	0.050	0.049	0.050	0.049	0.049
Residual Fuel	0.162	0.184	0.175	0.163	0.171	0.168	0.168	0.174	0.170	0.170	0.173	0.175	0.170	0.174	0.171
Other Petroleum 12/	0.048	0.044	0.041	0.042	0.043	0.043	0.043	0.043	0.042	0.042	0.041	0.041	0.041	0.040	0.040
Petroleum Subtotal	1.806	1.842	1.840	1.799	1.824	1.841	1.860	1.887	1.901	1.915	1.928	1.940	1.947	1.960	1.966
Natural Gas	0.833	0.843	0.838	0.809	0.795	0.808	0.823	0.833	0.852	0.873	0.896	0.910	0.924	0.940	0.939
Lease and Plant Fuel 6/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipeline Natural Gas	0.007	0.007	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009
Natural Gas Subtotal	0.840	0.850	0.847	0.817	0.803	0.816	0.831	0.841	0.860	0.881	0.904	0.918	0.933	0.948	0.948
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other Coal	0.199	0.201	0.194	0.198	0.205	0.212	0.219	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.231
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Coal Subtotal	0.199	0.201	0.194	0.198	0.205	0.212	0.219	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.231
Nuclear Power	0.345	0.357	0.354	0.361	0.361	0.362	0.363	0.364	0.373	0.373	0.374	0.374	0.374	0.374	0.374
Renewable Energy 16/	0.297	0.303	0.336	0.340	0.348	0.344	0.343	0.343	0.344	0.345	0.345	0.346	0.347	0.351	0.374
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	0.027	0.055	0.039	0.023	0.041	0.050	0.053	0.056	0.056	0.052	0.053	0.057	0.051	0.043
Total	3.505	3.580	3.625	3.554	3.565	3.617	3.666	3.713	3.758	3.795	3.828	3.856	3.883	3.909	3.936
Energy Use and Related Statistics															
Delivered Energy Use	2.743	2.786	2.800	2.761	2.800	2.835	2.867	2.900	2.929	2.955	2.972	2.991	3.014	3.034	3.052
Total Energy Use	3.505	3.580	3.625	3.554	3.565	3.617	3.666	3.713	3.758	3.795	3.828	3.856	3.883	3.909	3.936
Population (millions)	14.230	14.260	14.340	14.417	14.490	14.560	14.629	14.696	14.762	14.825	14.887	14.948	15.006	15.062	15.115
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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(quadrillion Btu, unless otherwise noted)

New England	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	0.609	0.609	0.610	0.610	0.611	0.612	0.614	0.616	0.618	0.621	0.624	0.627	0.630	0.1%
Kerosene	0.018	0.017	0.017	0.017	0.016	0.016	0.016	0.015	0.015	0.014	0.014	0.013	0.013	-1.3%
Jet Fuel 9/	0.089	0.090	0.090	0.090	0.091	0.091	0.091	0.091	0.091	0.091	0.092	0.092	0.093	1.2%
Liquefied Petroleum Gas	0.051	0.051	0.051	0.051	0.051	0.052	0.052	0.052	0.052	0.053	0.053	0.053	0.053	0.6%
Motor Gasoline 2/	0.950	0.957	0.963	0.969	0.975	0.980	0.985	0.991	0.996	1.002	1.008	1.013	1.019	0.8%
Petrochemical Feedstocks	0.048	0.047	0.046	0.046	0.045	0.045	0.044	0.043	0.043	0.043	0.042	0.042	0.041	-0.8%
Residual Fuel	0.173	0.173	0.167	0.167	0.167	0.165	0.165	0.165	0.165	0.165	0.167	0.168	0.166	-0.4%
Other Petroleum 12/	0.039	0.039	0.039	0.038	0.038	0.038	0.038	0.037	0.037	0.037	0.037	0.037	0.037	-0.7%
Petroleum Subtotal	1.977	1.983	1.983	1.989	1.994	1.998	2.005	2.011	2.018	2.027	2.037	2.045	2.053	0.4%
Natural Gas	0.958	0.974	0.972	0.991	0.992	0.985	0.979	0.975	0.973	0.968	0.967	0.955	0.958	0.5%
Lease and Plant Fuel 6/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Pipeline Natural Gas	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.9%
Natural Gas Subtotal	0.967	0.983	0.981	1.000	1.001	0.994	0.988	0.984	0.982	0.977	0.975	0.964	0.967	0.5%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Other Coal	0.231	0.231	0.232	0.232	0.251	0.273	0.295	0.315	0.332	0.349	0.366	0.388	0.407	2.7%
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	N/A
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.231	0.231	0.232	0.232	0.251	0.273	0.295	0.315	0.332	0.349	0.366	0.388	0.407	2.7%
Nuclear Power	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.2%
Renewable Energy 16/	0.377	0.378	0.378	0.379	0.380	0.380	0.381	0.382	0.383	0.384	0.385	0.386	0.386	0.9%
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	N/A
Electricity Imports	0.043	0.032	0.035	0.035	0.035	0.040	0.034	0.036	0.035	0.034	0.034	0.034	0.034	0.9%
Total	3.970	3.982	3.984	4.009	4.035	4.060	4.077	4.101	4.125	4.144	4.171	4.191	4.221	0.6%

Energy Use and Related Statistics

Delivered Energy Use	3.071	3.087	3.104	3.118	3.133	3.149	3.166	3.180	3.197	3.216	3.236	3.253	3.273	0.6%
Total Energy Use	3.970	3.982	3.984	4.009	4.035	4.060	4.077	4.101	4.125	4.144	4.171	4.191	4.221	0.6%
Population (millions)	15.166	15.214	15.259	15.300	15.339	15.375	15.407	15.437	15.465	15.491	15.517	15.541	15.564	0.3%
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 1. Energy Consumption by Sector and Source

(quadrillion Btu, unless otherwise noted)

New England

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.