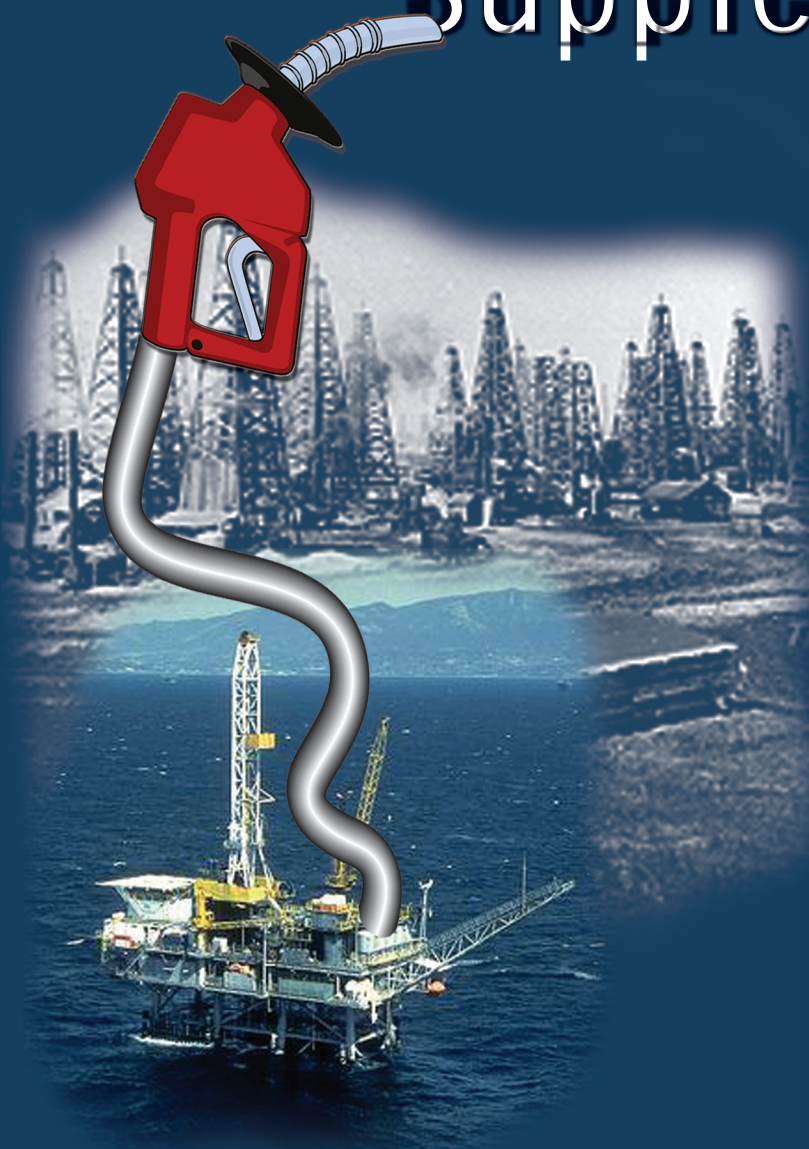


Supplemental Tables to the Annual Energy Outlook 2006



Part I:
Consumption and Prices
by
Sector and Census Division/
Residential, Commercial,
and Industrial Demand
Sector Data



Energy Information Administration

Supplemental Tables to the Annual Energy Outlook 2006

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
Energy Consumption															
Residential															
Distillate Fuel	0.313	0.330	0.337	0.301	0.294	0.294	0.293	0.293	0.292	0.291	0.288	0.286	0.284	0.282	0.278
Kerosene	0.012	0.014	0.014	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.014	0.014	0.014	0.014
Liquefied Petroleum Gas	0.029	0.030	0.030	0.029	0.029	0.030	0.030	0.031	0.031	0.031	0.032	0.032	0.032	0.033	0.033
Petroleum Subtotal	0.354	0.375	0.381	0.346	0.338	0.339	0.338	0.338	0.337	0.337	0.334	0.332	0.330	0.328	0.325
Natural Gas	0.200	0.191	0.193	0.191	0.191	0.193	0.193	0.195	0.196	0.197	0.197	0.198	0.199	0.201	0.201
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
Renewable Energy 1/ Electricity	0.027	0.027	0.028	0.028	0.028	0.028	0.027	0.027	0.026	0.026	0.026	0.026	0.026	0.026	0.025
Delivered Energy	0.154	0.153	0.159	0.159	0.162	0.166	0.168	0.170	0.172	0.174	0.175	0.177	0.179	0.181	0.182
Electricity Related Losses	0.735	0.747	0.761	0.725	0.720	0.725	0.727	0.730	0.732	0.734	0.733	0.733	0.734	0.736	0.733
Total	0.281	0.292	0.304	0.294	0.282	0.288	0.294	0.299	0.304	0.308	0.312	0.316	0.317	0.319	0.321
Total	1.015	1.039	1.065	1.018	1.002	1.014	1.021	1.029	1.036	1.042	1.045	1.049	1.051	1.055	1.055
Commercial															
Distillate Fuel	0.075	0.075	0.075	0.071	0.070	0.070	0.071	0.071	0.072	0.072	0.072	0.072	0.072	0.072	0.072
Residual Fuel	0.011	0.011	0.010	0.016	0.018	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.016
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Liquefied Petroleum Gas	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Motor Gasoline 2/ Petroleum Subtotal	0.097	0.098	0.097	0.098	0.100	0.097	0.098	0.098	0.099	0.099	0.099	0.099	0.099	0.099	0.099
Natural Gas	0.145	0.136	0.137	0.130	0.130	0.133	0.135	0.137	0.139	0.141	0.143	0.145	0.148	0.150	0.152
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Renewable Energy 3/ Electricity	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Delivered Energy	0.178	0.179	0.189	0.187	0.193	0.199	0.204	0.208	0.212	0.216	0.220	0.223	0.227	0.230	0.233
Electricity Related Losses	0.428	0.420	0.431	0.422	0.430	0.436	0.443	0.450	0.457	0.463	0.469	0.474	0.481	0.486	0.492
Total	0.327	0.342	0.362	0.345	0.336	0.346	0.357	0.365	0.375	0.382	0.392	0.398	0.401	0.405	0.412
Total	0.755	0.762	0.792	0.767	0.766	0.783	0.800	0.815	0.831	0.845	0.861	0.872	0.882	0.892	0.905
Industrial 4/															
Distillate Fuel	0.022	0.022	0.024	0.023	0.023	0.022	0.022	0.022	0.021	0.021	0.021	0.021	0.020	0.020	0.020
Liquefied Petroleum Gas	0.009	0.009	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
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	0.053	0.059	0.059	0.043	0.048	0.048	0.048	0.048	0.048	0.047	0.047	0.047	0.046	0.046	0.046
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012
Natural Gas	0.043	0.039	0.036	0.036	0.038	0.038	0.038	0.038	0.037	0.037	0.036	0.036	0.035	0.035	0.035
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.186	0.192	0.186	0.171	0.180	0.180	0.180	0.179	0.178	0.177	0.175	0.173	0.172	0.171	0.170
Metallurgical Coal	0.133	0.133	0.125	0.131	0.134	0.136	0.139	0.140	0.141	0.142	0.142	0.143	0.145	0.146	0.147
Other Industrial Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Coal-to-Liquids Heat and Power Net Coal Coke Imports	0.133	0.133	0.125	0.131	0.134	0.136	0.139	0.140	0.141	0.142	0.142	0.143	0.145	0.146	0.147
Coal Subtotal	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Renewable Energy 7/ Electricity	0.128	0.136	0.133	0.136	0.138	0.139	0.141	0.142	0.143	0.144	0.145	0.145	0.146	0.147	0.148
Delivered Energy	0.081	0.080	0.079	0.080	0.080	0.081	0.080	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081
Electricity Related Losses	0.533	0.546	0.528	0.522	0.536	0.540	0.544	0.546	0.548	0.548	0.547	0.547	0.548	0.549	0.550
Total	0.147	0.153	0.152	0.147	0.140	0.140	0.140	0.141	0.143	0.143	0.144	0.144	0.143	0.142	0.142
Total	0.680	0.698	0.679	0.668	0.676	0.680	0.684	0.687	0.691	0.691	0.691	0.691	0.691	0.691	0.692

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
Transportation															
Distillate Fuel 8/	0.167	0.174	0.177	0.181	0.187	0.191	0.196	0.201	0.205	0.209	0.213	0.216	0.220	0.223	0.227
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
Motor Gasoline 2/	0.789	0.804	0.806	0.811	0.825	0.837	0.850	0.863	0.874	0.884	0.892	0.901	0.910	0.917	0.925
Residual Fuel	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Liquefied Petroleum Gas	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
Other Petroleum 10/	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Petroleum Subtotal	1.035	1.060	1.066	1.078	1.099	1.117	1.137	1.158	1.176	1.191	1.205	1.218	1.231	1.243	1.257
Pipeline Fuel 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
Compressed Natural Gas	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007
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	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	0.000	0.000
Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Delivered Energy	1.047	1.073	1.081	1.093	1.114	1.133	1.153	1.174	1.193	1.209	1.223	1.237	1.250	1.263	1.277
Electricity Related Losses	0.007	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Total	1.055	1.081	1.089	1.100	1.121	1.140	1.161	1.181	1.201	1.216	1.230	1.244	1.258	1.271	1.285
Delivered Energy Consumption, All Sectors															
Distillate Fuel	0.576	0.602	0.613	0.576	0.573	0.578	0.582	0.587	0.590	0.593	0.593	0.595	0.596	0.597	0.597
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	0.051	0.051	0.051	0.050	0.049	0.050	0.049	0.049
Residual Fuel	0.070	0.076	0.075	0.065	0.072	0.069	0.069	0.069	0.068	0.069	0.069	0.068	0.067	0.067	0.067
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	1.673	1.725	1.730	1.693	1.717	1.733	1.753	1.773	1.790	1.804	1.813	1.823	1.833	1.842	1.851
Natural Gas	0.480	0.461	0.457	0.454	0.457	0.465	0.470	0.475	0.480	0.486	0.488	0.492	0.498	0.503	0.507
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	0.487	0.468	0.466	0.462	0.466	0.473	0.478	0.483	0.488	0.494	0.496	0.500	0.507	0.512	0.516
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	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
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	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Renewable Energy 13/	0.161	0.170	0.168	0.171	0.173	0.174	0.175	0.175	0.176	0.177	0.177	0.178	0.179	0.179	0.180
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	0.417	0.417	0.432	0.430	0.440	0.450	0.457	0.463	0.470	0.476	0.480	0.485	0.490	0.496	0.501
Delivered Energy	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
Electricity Related Losses	0.762	0.794	0.825	0.793	0.765	0.782	0.799	0.812	0.829	0.840	0.856	0.866	0.869	0.874	0.884
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
Electric Power 14/															
Distillate Fuel	0.042	0.008	0.010	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.011	0.011	0.011	0.012	0.011
Residual Fuel	0.092	0.109	0.100	0.098	0.099	0.099	0.099	0.105	0.102	0.101	0.104	0.107	0.103	0.106	0.104
Petroleum Subtotal	0.133	0.117	0.110	0.106	0.107	0.108	0.108	0.114	0.111	0.111	0.115	0.118	0.114	0.118	0.115
Natural Gas	0.353	0.381	0.381	0.355	0.338	0.344	0.353	0.358	0.372	0.387	0.407	0.417	0.426	0.436	0.432
Steam Coal	0.194	0.196	0.189	0.193	0.200	0.207	0.214	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.226
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/Other 15/	0.136	0.134	0.168	0.169	0.176	0.171	0.168	0.168	0.168	0.168	0.168	0.168	0.169	0.171	0.194
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	1.179	1.211	1.257	1.223	1.205	1.232	1.256	1.276	1.298	1.315	1.336	1.350	1.360	1.370	1.385

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

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

New England	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.275	0.272	0.270	0.266	0.263	0.259	0.257	0.253	0.250	0.247	0.245	0.242	0.239	-1.2%
Kerosene	0.013	0.013	0.013	0.012	0.012	0.012	0.011	0.011	0.010	0.010	0.010	0.009	0.009	-1.8%
Liquefied Petroleum Gas	0.033	0.033	0.033	0.033	0.034	0.034	0.034	0.034	0.034	0.035	0.035	0.035	0.035	0.6%
Petroleum Subtotal	0.321	0.318	0.316	0.312	0.308	0.305	0.302	0.298	0.295	0.292	0.290	0.286	0.283	-1.1%
Natural Gas	0.202	0.202	0.204	0.204	0.204	0.204	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.3%
Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.6%
Renewable Energy 1/ Electricity	0.025	0.025	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.024	0.023	-0.6%
Delivered Energy	0.184	0.185	0.187	0.188	0.189	0.191	0.192	0.193	0.194	0.196	0.197	0.198	0.200	1.0%
Electricity Related Losses	0.732	0.731	0.732	0.728	0.727	0.725	0.724	0.720	0.718	0.716	0.716	0.712	0.711	-0.2%
Total	0.326	0.325	0.319	0.321	0.325	0.327	0.326	0.328	0.329	0.329	0.330	0.330	0.332	0.5%
Total	1.058	1.056	1.051	1.050	1.051	1.051	1.051	1.049	1.047	1.045	1.047	1.042	1.043	0.0%
Commercial														
Distillate Fuel	0.072	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	-0.2%
Residual Fuel	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	1.6%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.0%
Liquefied Petroleum Gas	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.3%
Motor Gasoline 2/ Petroleum Subtotal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.5%
Natural Gas	0.099	0.099	0.099	0.099	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.1%
Coal	0.154	0.156	0.158	0.160	0.162	0.164	0.166	0.168	0.169	0.172	0.174	0.176	0.179	1.1%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	N/A
Renewable Energy 3/ Electricity	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.0%
Delivered Energy	0.237	0.241	0.245	0.249	0.253	0.257	0.262	0.266	0.270	0.274	0.279	0.283	0.289	1.8%
Electricity Related Losses	0.498	0.503	0.509	0.516	0.522	0.528	0.534	0.540	0.547	0.553	0.560	0.566	0.574	1.2%
Total	0.421	0.422	0.417	0.426	0.434	0.441	0.444	0.452	0.457	0.461	0.467	0.471	0.480	1.3%
Total	0.919	0.926	0.926	0.941	0.956	0.969	0.978	0.992	1.004	1.014	1.026	1.038	1.054	1.3%
Industrial 4/														
Distillate Fuel	0.020	0.020	0.020	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	-0.7%
Liquefied Petroleum Gas	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	-0.7%
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	0.046	0.046	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.044	-1.1%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	-0.3%
Natural Gas	0.034	0.034	0.033	0.033	0.033	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	-0.8%
Coal	0.169	0.167	0.165	0.163	0.162	0.161	0.160	0.159	0.158	0.158	0.157	0.156	0.155	-0.8%
Natural Gas	0.147	0.148	0.148	0.149	0.150	0.152	0.153	0.154	0.156	0.157	0.159	0.160	0.161	0.8%
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Metallurgical Coal	0.147	0.148	0.148	0.149	0.150	0.152	0.153	0.154	0.156	0.157	0.159	0.160	0.161	0.8%
Other Industrial Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal-to-Liquids Heat and Power	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.0%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Renewable Energy 7/ Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.0%
Delivered Energy	0.149	0.150	0.151	0.152	0.153	0.153	0.154	0.155	0.156	0.157	0.158	0.159	0.159	0.6%
Electricity Related Losses	0.081	0.080	0.080	0.080	0.079	0.079	0.079	0.079	0.079	0.078	0.078	0.078	0.078	-0.1%
Total	0.550	0.549	0.548	0.548	0.549	0.549	0.550	0.551	0.553	0.555	0.556	0.557	0.558	0.1%
Electricity Related Losses	0.143	0.141	0.136	0.136	0.136	0.135	0.134	0.134	0.133	0.132	0.131	0.130	0.130	-0.6%
Total	0.693	0.690	0.684	0.684	0.684	0.685	0.683	0.684	0.686	0.686	0.687	0.687	0.688	-0.1%

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

New England	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	0.231	0.235	0.239	0.243	0.248	0.252	0.257	0.263	0.268	0.274	0.280	0.286	0.292	2.0%
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%
Motor Gasoline 2/	0.934	0.941	0.948	0.954	0.959	0.965	0.970	0.975	0.981	0.987	0.993	0.998	1.004	0.9%
Residual Fuel	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.3%
Liquefied Petroleum Gas	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	4.9%
Other Petroleum 10/	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.0%
Petroleum Subtotal	1.271	1.282	1.293	1.304	1.314	1.325	1.335	1.346	1.357	1.369	1.381	1.393	1.406	1.1%
Pipeline Fuel 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%
Compressed Natural Gas	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	7.1%
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	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	0.000	0.000	N/A
Electricity	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.4%
Delivered Energy	1.291	1.303	1.315	1.326	1.336	1.347	1.357	1.368	1.380	1.392	1.404	1.416	1.429	1.1%
Electricity Related Losses	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	-0.1%
Total	1.299	1.311	1.322	1.333	1.344	1.355	1.365	1.376	1.387	1.400	1.412	1.424	1.437	1.1%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.598	0.598	0.599	0.600	0.601	0.602	0.605	0.606	0.608	0.611	0.615	0.617	0.621	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	0.067	0.068	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	-0.5%
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	1.860	1.867	1.873	1.879	1.884	1.890	1.897	1.903	1.910	1.919	1.927	1.936	1.944	0.5%
Natural Gas	0.510	0.513	0.517	0.520	0.524	0.528	0.532	0.535	0.538	0.542	0.547	0.550	0.554	0.7%
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	0.519	0.522	0.526	0.529	0.533	0.537	0.541	0.544	0.547	0.551	0.555	0.558	0.563	0.7%
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	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.0%
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	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.0%
Renewable Energy 13/	0.181	0.182	0.183	0.183	0.184	0.185	0.185	0.186	0.187	0.188	0.188	0.189	0.190	0.4%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.506	0.511	0.517	0.521	0.527	0.532	0.538	0.542	0.548	0.553	0.559	0.564	0.571	1.2%
Delivered Energy	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%
Electricity Related Losses	0.898	0.896	0.880	0.891	0.902	0.911	0.912	0.922	0.927	0.928	0.936	0.939	0.949	0.7%
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%
Electric Power 14/														
Distillate Fuel	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.009	0.009	0.7%
Residual Fuel	0.106	0.105	0.100	0.100	0.100	0.098	0.098	0.098	0.098	0.098	0.100	0.100	0.099	-0.3%
Petroleum Subtotal	0.117	0.117	0.110	0.110	0.110	0.108	0.108	0.108	0.108	0.108	0.110	0.110	0.109	-0.3%
Natural Gas	0.447	0.461	0.454	0.470	0.467	0.457	0.447	0.440	0.434	0.426	0.420	0.406	0.404	0.2%
Steam Coal	0.226	0.226	0.226	0.227	0.246	0.267	0.290	0.310	0.327	0.344	0.361	0.383	0.402	2.8%
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/Other 15/	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.197	0.197	1.5%
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	1.404	1.406	1.396	1.412	1.429	1.443	1.449	1.464	1.475	1.482	1.495	1.503	1.519	0.9%

Table 1. Energy Consumption by Sector and Source
(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.

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
Energy Consumption															
Residential															
Distillate Fuel	0.397	0.411	0.421	0.380	0.370	0.370	0.367	0.366	0.363	0.360	0.356	0.352	0.348	0.344	0.338
Kerosene	0.026	0.030	0.030	0.033	0.031	0.031	0.030	0.030	0.030	0.030	0.029	0.029	0.029	0.028	0.028
Liquefied Petroleum Gas	0.039	0.040	0.040	0.039	0.039	0.040	0.040	0.041	0.041	0.042	0.042	0.043	0.043	0.044	0.044
Petroleum Subtotal	0.461	0.481	0.490	0.452	0.440	0.440	0.438	0.437	0.435	0.432	0.427	0.424	0.420	0.416	0.410
Natural Gas	0.950	0.892	0.898	0.893	0.889	0.896	0.897	0.901	0.903	0.907	0.905	0.905	0.906	0.910	0.907
Coal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Renewable Energy 1/ Electricity	0.082	0.081	0.085	0.087	0.086	0.084	0.082	0.080	0.079	0.078	0.077	0.076	0.075	0.075	0.074
Delivered Energy	0.417	0.419	0.435	0.428	0.433	0.441	0.445	0.449	0.452	0.455	0.456	0.458	0.461	0.465	0.466
Electricity Related Losses	1.913	1.876	1.910	1.862	1.851	1.864	1.865	1.870	1.871	1.875	1.868	1.865	1.865	1.868	1.859
Total	0.979	1.014	1.053	1.062	1.075	1.104	1.107	1.107	1.086	1.128	1.131	1.140	1.157	1.166	1.168
Total	2.893	2.890	2.964	2.924	2.925	2.968	2.972	2.977	2.957	3.003	2.999	3.005	3.023	3.034	3.028
Commercial															
Distillate Fuel	0.142	0.146	0.148	0.133	0.130	0.131	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.131	0.131
Residual Fuel	0.081	0.087	0.084	0.084	0.094	0.086	0.086	0.087	0.087	0.089	0.089	0.088	0.089	0.089	0.089
Kerosene	0.010	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Liquefied Petroleum Gas	0.006	0.006	0.006	0.006	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/ Petroleum Subtotal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Natural Gas	0.242	0.254	0.253	0.237	0.246	0.238	0.239	0.241	0.240	0.242	0.242	0.241	0.241	0.241	0.241
Coal	0.693	0.641	0.645	0.593	0.595	0.603	0.611	0.618	0.626	0.633	0.639	0.644	0.651	0.657	0.662
Renewable Energy 3/ Electricity	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Delivered Energy	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Electricity Related Losses	0.504	0.513	0.537	0.522	0.535	0.549	0.560	0.570	0.579	0.587	0.593	0.598	0.605	0.612	0.619
Total	1.477	1.446	1.473	1.390	1.413	1.427	1.447	1.466	1.483	1.500	1.511	1.521	1.536	1.548	1.560
Total	1.185	1.241	1.298	1.295	1.327	1.373	1.392	1.405	1.392	1.454	1.471	1.489	1.519	1.537	1.553
Total	2.661	2.687	2.771	2.685	2.739	2.800	2.839	2.870	2.875	2.953	2.982	3.010	3.054	3.085	3.113
Industrial 4/															
Distillate Fuel	0.059	0.060	0.065	0.061	0.058	0.057	0.057	0.056	0.055	0.054	0.054	0.054	0.053	0.053	0.052
Liquefied Petroleum Gas	0.031	0.032	0.030	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.030	0.030	0.030	0.030	0.030
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	0.018	0.016	0.016	0.013	0.009	0.008	0.009	0.012	0.008	0.011	0.013	0.013	0.011	0.014	0.013
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.023	0.023	0.024	0.024	0.024	0.023	0.023	0.023	0.023	0.023	0.023	0.022	0.022	0.022	0.022
Natural Gas	0.431	0.426	0.416	0.417	0.419	0.434	0.427	0.438	0.433	0.441	0.437	0.436	0.446	0.443	0.447
Coal	0.698	0.702	0.681	0.683	0.684	0.696	0.690	0.705	0.697	0.705	0.701	0.697	0.705	0.704	0.705
Renewable Energy 6/ Natural Gas Subtotal	0.357	0.358	0.339	0.355	0.398	0.398	0.406	0.397	0.400	0.401	0.400	0.401	0.400	0.402	0.402
Coal	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
Metallurgical Coal	0.363	0.364	0.345	0.361	0.404	0.404	0.412	0.404	0.407	0.407	0.407	0.408	0.407	0.409	0.409
Other Industrial 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
Coal-to-Liquids Heat and Power	0.111	0.114	0.113	0.115	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.115	0.115	0.115	0.115
Net Coal Coke Imports	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
Coal Subtotal	-0.279	-0.686	-0.407	-0.107	-0.110	-0.110	-0.110	-0.110	-0.111	-0.111	-0.110	-0.110	-0.110	-0.110	-0.110
Renewable Energy 7/ Electricity	0.041	-0.367	-0.092	0.202	0.205	0.204	0.204	0.203	0.203	0.202	0.201	0.200	0.199	0.199	0.198
Delivered Energy	0.072	0.076	0.074	0.075	0.077	0.078	0.079	0.079	0.080	0.081	0.081	0.081	0.082	0.082	0.083
Electricity Related Losses	0.297	0.295	0.292	0.294	0.291	0.292	0.292	0.292	0.293	0.294	0.293	0.293	0.293	0.293	0.293
Total	1.471	1.070	1.301	1.615	1.661	1.675	1.676	1.683	1.680	1.689	1.682	1.678	1.686	1.687	1.689
Total	0.697	0.714	0.708	0.728	0.721	0.730	0.725	0.720	0.705	0.728	0.728	0.728	0.736	0.736	0.736
Total	2.168	1.784	2.009	2.344	2.382	2.405	2.402	2.404	2.385	2.417	2.410	2.406	2.422	2.423	2.425

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
Transportation															
Distillate Fuel 8/	0.505	0.527	0.534	0.546	0.559	0.569	0.580	0.591	0.602	0.611	0.619	0.626	0.632	0.640	0.648
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
Motor Gasoline 2/	1.857	1.891	1.897	1.901	1.926	1.946	1.968	1.989	2.008	2.022	2.035	2.047	2.061	2.070	2.083
Residual Fuel	0.098	0.105	0.114	0.114	0.111	0.109	0.106	0.104	0.103	0.103	0.103	0.102	0.102	0.102	0.101
Liquefied Petroleum Gas	0.002	0.003	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.009	0.009
Other Petroleum 10/	0.015	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Petroleum Subtotal	2.842	2.919	2.944	2.967	3.015	3.051	3.091	3.134	3.176	3.206	3.230	3.254	3.277	3.299	3.325
Pipeline Fuel 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
Compressed Natural Gas	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.008	0.008	0.009	0.009	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	0.001	0.001	0.001
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	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
Delivered Energy	2.937	3.015	3.026	3.046	3.091	3.126	3.167	3.208	3.252	3.284	3.309	3.334	3.360	3.383	3.409
Electricity Related Losses	0.027	0.028	0.028	0.029	0.029	0.029	0.029	0.029	0.029	0.030	0.030	0.030	0.031	0.031	0.031
Total	2.964	3.043	3.054	3.075	3.120	3.156	3.196	3.238	3.281	3.314	3.339	3.364	3.390	3.413	3.440
Delivered Energy Consumption, All Sectors															
Distillate Fuel	1.102	1.143	1.167	1.120	1.118	1.127	1.136	1.145	1.152	1.158	1.160	1.163	1.165	1.168	1.170
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	0.198	0.209	0.215	0.211	0.215	0.203	0.201	0.203	0.199	0.203	0.205	0.204	0.202	0.204	0.203
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	4.243	4.355	4.368	4.339	4.384	4.425	4.458	4.516	4.548	4.585	4.601	4.616	4.644	4.659	4.680
Natural Gas	2.003	1.896	1.887	1.846	1.887	1.903	1.920	1.923	1.937	1.949	1.951	1.959	1.967	1.978	1.982
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	2.089	1.982	1.959	1.914	1.952	1.967	1.984	1.985	2.000	2.013	2.016	2.024	2.034	2.047	2.051
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	0.133	0.136	0.135	0.137	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.137	0.137	0.137	0.137
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	0.063	-0.345	-0.070	0.224	0.227	0.226	0.226	0.225	0.225	0.224	0.222	0.222	0.221	0.220	0.220
Renewable Energy 13/	0.173	0.176	0.177	0.181	0.181	0.181	0.180	0.179	0.178	0.178	0.177	0.177	0.176	0.176	0.176
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	1.229	1.239	1.276	1.255	1.270	1.293	1.308	1.323	1.336	1.348	1.353	1.361	1.372	1.383	1.391
Delivered Energy	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
Electricity Related Losses	2.888	2.998	3.088	3.114	3.152	3.236	3.254	3.261	3.212	3.339	3.360	3.388	3.442	3.470	3.488
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
Electric Power 14/															
Distillate Fuel	0.048	0.026	0.022	0.021	0.022	0.023	0.023	0.025	0.026	0.025	0.025	0.025	0.026	0.026	0.026
Residual Fuel	0.221	0.251	0.204	0.194	0.234	0.248	0.240	0.229	0.232	0.244	0.236	0.237	0.201	0.184	0.181
Petroleum Subtotal	0.269	0.277	0.227	0.215	0.257	0.271	0.263	0.253	0.258	0.269	0.261	0.262	0.227	0.209	0.207
Natural Gas	0.445	0.471	0.543	0.511	0.494	0.516	0.525	0.547	0.600	0.637	0.671	0.697	0.787	0.845	0.876
Steam Coal	1.519	1.555	1.645	1.667	1.693	1.748	1.765	1.775	1.681	1.771	1.774	1.770	1.779	1.779	1.784
Nuclear Power	1.482	1.534	1.497	1.522	1.522	1.529	1.536	1.537	1.537	1.537	1.537	1.544	1.544	1.544	1.544
Renewable Energy/Other 15/	0.385	0.382	0.417	0.428	0.441	0.440	0.442	0.439	0.437	0.437	0.438	0.442	0.441	0.442	0.442
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	4.117	4.237	4.364	4.368	4.422	4.529	4.563	4.584	4.548	4.687	4.714	4.749	4.814	4.852	4.879

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/ Petroleum Subtotal	0.442 4.512	0.439 4.633	0.429 4.595	0.430 4.554	0.432 4.641	0.447 4.696	0.440 4.721	0.451 4.769	0.446 4.805	0.453 4.854	0.450 4.862	0.448 4.878	0.458 4.871	0.455 4.869	0.460 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/ Pipeline Natural Gas	0.006 0.080	0.006 0.080	0.006 0.066	0.006 0.062	0.006 0.059	0.006 0.058	0.006 0.057	0.006 0.055	0.007 0.056	0.007 0.057	0.007 0.058	0.007 0.058	0.007 0.060	0.007 0.061	0.007 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/ Liquid Hydrogen	0.558 0.000	0.558 0.000	0.594 0.000	0.609 0.000	0.622 0.000	0.620 0.000	0.621 0.000	0.617 0.000	0.615 0.000	0.615 0.000	0.615 0.000	0.619 0.000	0.617 0.000	0.618 0.000	0.618 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

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

Middle Atlantic	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.333	0.328	0.323	0.318	0.312	0.307	0.303	0.297	0.292	0.288	0.284	0.278	0.273	-1.6%
Kerosene	0.028	0.027	0.027	0.026	0.026	0.026	0.025	0.025	0.024	0.024	0.024	0.023	0.023	-1.0%
Liquefied Petroleum Gas	0.044	0.044	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.046	0.046	0.046	0.046	0.5%
Petroleum Subtotal	0.405	0.399	0.395	0.388	0.383	0.378	0.373	0.367	0.362	0.357	0.353	0.348	0.343	-1.3%
Natural Gas	0.906	0.905	0.906	0.902	0.900	0.898	0.898	0.893	0.890	0.888	0.888	0.888	0.881	0.0%
Coal	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.5%
Renewable Energy 1/ Electricity	0.073	0.072	0.072	0.071	0.070	0.069	0.069	0.068	0.067	0.066	0.065	0.064	0.064	-0.9%
Delivered Energy	0.468	0.470	0.473	0.473	0.475	0.476	0.479	0.480	0.481	0.483	0.487	0.487	0.489	0.6%
Electricity Related Losses	1.854	1.848	1.848	1.837	1.830	1.823	1.821	1.809	1.803	1.797	1.796	1.785	1.779	-0.2%
Total	1.170	1.179	1.190	1.192	1.195	1.203	1.217	1.217	1.227	1.238	1.250	1.258	1.274	0.9%
Total	3.024	3.027	3.039	3.029	3.026	3.027	3.039	3.026	3.030	3.035	3.046	3.043	3.053	0.2%
Commercial														
Distillate Fuel	0.131	0.130	0.130	0.130	0.130	0.129	0.129	0.128	0.128	0.128	0.128	0.127	0.127	-0.5%
Residual Fuel	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.1%
Kerosene	0.011	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.0%
Liquefied Petroleum Gas	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.2%
Motor Gasoline 2/ Petroleum Subtotal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.1%
Natural Gas	0.241	0.240	0.240	0.240	0.240	0.239	0.239	0.238	0.238	0.238	0.238	0.238	0.238	-0.3%
Coal	0.665	0.668	0.671	0.675	0.678	0.681	0.684	0.686	0.689	0.692	0.696	0.699	0.704	0.4%
Coal	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	N/A
Renewable Energy 3/ Electricity	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.0%
Delivered Energy	0.626	0.631	0.638	0.644	0.650	0.657	0.664	0.671	0.679	0.686	0.695	0.703	0.712	1.3%
Electricity Related Losses	1.569	1.577	1.587	1.596	1.605	1.615	1.624	1.633	1.644	1.654	1.666	1.678	1.691	0.6%
Total	1.565	1.584	1.604	1.622	1.638	1.661	1.687	1.703	1.730	1.757	1.784	1.815	1.854	1.6%
Total	3.134	3.161	3.191	3.218	3.243	3.275	3.311	3.336	3.373	3.411	3.449	3.493	3.545	1.1%
Industrial 4/														
Distillate Fuel	0.052	0.052	0.051	0.051	0.050	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.048	-0.8%
Liquefied Petroleum Gas	0.029	0.029	0.028	0.028	0.028	0.027	0.027	0.027	0.027	0.026	0.026	0.026	0.026	-0.8%
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	0.015	0.015	0.016	0.014	0.010	0.013	0.012	0.015	0.017	0.017	0.017	0.012	0.011	-1.3%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	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	-0.3%
Natural Gas	0.446	0.441	0.450	0.445	0.451	0.454	0.451	0.448	0.450	0.448	0.448	0.446	0.446	0.2%
Coal	0.702	0.693	0.701	0.691	0.691	0.694	0.688	0.686	0.688	0.685	0.683	0.675	0.671	-0.2%
Natural Gas	0.402	0.414	0.413	0.412	0.412	0.414	0.417	0.420	0.422	0.426	0.428	0.433	0.437	0.8%
Lease and Plant Fuel 6/ Natural Gas Subtotal	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%
Metallurgical Coal	0.409	0.422	0.421	0.420	0.420	0.423	0.426	0.429	0.431	0.435	0.438	0.443	0.447	0.8%
Other Industrial 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%
Coal-to-Liquids Heat and Power	0.115	0.115	0.115	0.115	0.115	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.0%
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	-0.109	-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%
Renewable Energy 7/ Electricity	0.197	0.196	0.195	0.194	0.192	0.191	0.191	0.190	0.190	0.189	0.189	0.189	0.188	N/A
Delivered Energy	0.084	0.084	0.085	0.085	0.086	0.086	0.087	0.087	0.088	0.088	0.088	0.089	0.090	0.7%
Electricity Related Losses	0.294	0.294	0.293	0.292	0.291	0.290	0.289	0.288	0.288	0.288	0.288	0.287	0.286	-0.1%
Total	1.686	1.689	1.694	1.682	1.679	1.685	1.680	1.680	1.685	1.685	1.686	1.683	1.683	1.8%
Electricity Related Losses	0.734	0.737	0.737	0.734	0.732	0.733	0.734	0.732	0.735	0.737	0.739	0.741	0.745	0.2%
Total	2.420	2.427	2.431	2.416	2.411	2.417	2.414	2.412	2.420	2.423	2.425	2.424	2.428	1.2%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	0.656	0.664	0.672	0.681	0.691	0.701	0.712	0.723	0.736	0.749	0.761	0.775	0.789	1.6%
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%
Motor Gasoline 2/	2.096	2.106	2.114	2.121	2.127	2.134	2.140	2.146	2.154	2.161	2.167	2.174	2.180	0.5%
Residual Fuel	0.101	0.101	0.100	0.100	0.099	0.099	0.098	0.097	0.097	0.096	0.096	0.095	0.095	-0.4%
Liquefied Petroleum Gas	0.009	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.012	4.8%
Other Petroleum 10/	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.016	0.016	0.016	0.016	0.016	0.016	-0.4%
Petroleum Subtotal	3.349	3.369	3.384	3.399	3.413	3.428	3.443	3.459	3.477	3.496	3.515	3.536	3.557	0.8%
Pipeline Fuel 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%
Compressed Natural Gas	0.011	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.013	5.0%
Renewable Energy (E85) 11/	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	5.8%
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	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.3%
Delivered Energy	3.435	3.455	3.470	3.485	3.500	3.515	3.529	3.544	3.561	3.580	3.599	3.619	3.641	0.7%
Electricity Related Losses	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.032	0.5%
Total	3.465	3.486	3.501	3.516	3.531	3.546	3.561	3.575	3.593	3.612	3.631	3.651	3.673	0.7%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.172	1.174	1.177	1.179	1.183	1.187	1.193	1.198	1.205	1.213	1.221	1.230	1.238	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	0.205	0.204	0.205	0.202	0.198	0.200	0.199	0.201	0.203	0.202	0.202	0.196	0.195	-0.3%
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	4.697	4.702	4.720	4.718	4.726	4.739	4.743	4.749	4.765	4.776	4.789	4.796	4.809	0.4%
Natural Gas	1.984	1.997	2.001	2.000	2.001	2.005	2.010	2.011	2.013	2.018	2.024	2.028	2.034	0.3%
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	2.053	2.067	2.071	2.070	2.071	2.075	2.080	2.080	2.081	2.086	2.091	2.095	2.102	0.2%
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	0.137	0.137	0.137	0.137	0.136	0.136	0.136	0.136	0.136	0.136	0.136	0.136	0.136	0.0%
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.219	0.218	0.217	0.215	0.214	0.213	0.212	0.212	0.211	0.211	0.211	0.210	0.210	N/A
Renewable Energy 13/	0.176	0.176	0.176	0.175	0.175	0.174	0.174	0.174	0.174	0.174	0.173	0.173	0.173	-0.1%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	N/A
Electricity	1.399	1.407	1.416	1.421	1.428	1.436	1.445	1.451	1.461	1.470	1.481	1.490	1.500	0.7%
Delivered Energy	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%
Electricity Related Losses	3.500	3.531	3.562	3.579	3.596	3.628	3.670	3.683	3.723	3.764	3.804	3.846	3.906	1.0%
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%
Electric Power 14/														
Distillate Fuel	0.027	0.027	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.2%
Residual Fuel	0.175	0.196	0.195	0.204	0.196	0.181	0.185	0.189	0.215	0.233	0.234	0.236	0.237	-0.2%
Petroleum Subtotal	0.202	0.223	0.222	0.232	0.224	0.209	0.213	0.216	0.243	0.261	0.262	0.264	0.265	-0.2%
Natural Gas	0.895	0.892	0.927	0.939	0.954	0.960	0.944	0.913	0.864	0.830	0.806	0.784	0.784	2.0%
Steam Coal	1.786	1.790	1.793	1.793	1.809	1.854	1.919	1.968	2.038	2.105	2.179	2.251	2.320	1.5%
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/Other 15/	0.445	0.445	0.445	0.447	0.448	0.448	0.449	0.448	0.448	0.449	0.449	0.449	0.449	0.6%
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	4.899	4.938	4.978	5.000	5.025	5.063	5.115	5.135	5.183	5.234	5.286	5.336	5.406	0.9%

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

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.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Consumption															
Residential															
Distillate Fuel	0.055	0.056	0.056	0.052	0.050	0.050	0.049	0.048	0.048	0.047	0.046	0.045	0.044	0.043	0.042
Kerosene	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Liquefied Petroleum Gas	0.126	0.129	0.126	0.125	0.125	0.128	0.129	0.131	0.133	0.134	0.135	0.136	0.137	0.138	0.138
Petroleum Subtotal	0.185	0.190	0.187	0.183	0.181	0.183	0.184	0.185	0.186	0.187	0.187	0.187	0.187	0.187	0.186
Natural Gas	1.522	1.432	1.421	1.442	1.434	1.448	1.452	1.459	1.464	1.471	1.467	1.466	1.468	1.473	1.468
Coal	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Renewable Energy 1/ Electricity	0.076	0.076	0.079	0.084	0.084	0.083	0.082	0.081	0.080	0.080	0.080	0.079	0.079	0.079	0.079
Delivered Energy	0.617	0.626	0.663	0.664	0.670	0.681	0.690	0.700	0.707	0.716	0.721	0.729	0.738	0.746	0.752
Electricity Related Losses	2.402	2.326	2.353	2.375	2.371	2.397	2.410	2.427	2.440	2.457	2.457	2.464	2.474	2.488	2.487
Total	1.393	1.423	1.613	1.609	1.648	1.675	1.667	1.707	1.715	1.736	1.754	1.759	1.771	1.778	1.784
Total	3.795	3.750	3.966	3.984	4.018	4.072	4.077	4.134	4.154	4.193	4.210	4.223	4.245	4.266	4.271
Commercial															
Distillate Fuel	0.050	0.052	0.054	0.050	0.050	0.051	0.052	0.052	0.053	0.053	0.053	0.054	0.054	0.054	0.054
Residual Fuel	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.021	0.021	0.021	0.020	0.022	0.022	0.021	0.022	0.021	0.022	0.022	0.022	0.022	0.022	0.022
Motor Gasoline 2/ Petroleum Subtotal	0.008	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Natural Gas	0.083	0.085	0.086	0.082	0.083	0.084	0.085	0.086	0.086	0.086	0.087	0.087	0.088	0.088	0.088
Coal	0.764	0.704	0.698	0.680	0.682	0.693	0.704	0.715	0.728	0.740	0.749	0.758	0.770	0.780	0.788
Renewable Energy 3/ Electricity	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Delivered Energy	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Electricity Related Losses	0.607	0.620	0.657	0.655	0.667	0.682	0.696	0.709	0.722	0.734	0.745	0.756	0.767	0.779	0.791
Total	1.489	1.445	1.477	1.452	1.468	1.496	1.521	1.546	1.572	1.597	1.617	1.637	1.660	1.683	1.704
Electricity Related Losses	1.371	1.410	1.597	1.586	1.641	1.677	1.682	1.729	1.750	1.779	1.810	1.824	1.842	1.855	1.878
Total	2.860	2.855	3.075	3.039	3.109	3.173	3.204	3.275	3.322	3.375	3.427	3.461	3.502	3.537	3.582
Industrial 4/															
Distillate Fuel	0.164	0.168	0.175	0.171	0.170	0.168	0.167	0.167	0.165	0.164	0.163	0.162	0.161	0.161	0.160
Liquefied Petroleum Gas	0.092	0.093	0.091	0.092	0.091	0.090	0.089	0.089	0.089	0.089	0.088	0.088	0.088	0.087	0.087
Petrochemical Feedstocks	0.210	0.228	0.218	0.223	0.226	0.225	0.223	0.223	0.223	0.223	0.222	0.220	0.220	0.219	0.219
Residual Fuel	0.012	0.011	0.012	0.008	0.014	0.020	0.014	0.022	0.021	0.021	0.022	0.019	0.021	0.021	0.021
Motor Gasoline 2/ Petroleum Subtotal	0.044	0.045	0.045	0.045	0.045	0.045	0.045	0.044	0.044	0.044	0.043	0.043	0.043	0.043	0.043
Other Petroleum 5/ Petroleum Subtotal	0.626	0.626	0.606	0.610	0.659	0.666	0.670	0.671	0.676	0.676	0.676	0.680	0.675	0.686	0.680
Natural Gas	1.149	1.171	1.146	1.149	1.204	1.214	1.208	1.215	1.218	1.216	1.213	1.212	1.208	1.217	1.210
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.184	1.242	1.162	1.199	1.230	1.236	1.262	1.271	1.280	1.291	1.294	1.305	1.320	1.322	1.302
Metallurgical Coal	0.010	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Other Industrial Coal	1.195	1.253	1.173	1.210	1.241	1.246	1.272	1.281	1.290	1.301	1.304	1.316	1.330	1.332	1.313
Coal-to-Liquids Heat and Power	0.300	0.287	0.294	0.276	0.274	0.269	0.265	0.261	0.258	0.254	0.250	0.246	0.243	0.240	0.237
Net Coal Coke Imports	0.352	0.335	0.345	0.350	0.349	0.349	0.349	0.349	0.349	0.349	0.349	0.348	0.348	0.348	0.348
Coal Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Renewable Energy 7/ Electricity	0.396	0.978	0.579	0.152	0.154	0.152	0.151	0.151	0.151	0.150	0.148	0.147	0.147	0.146	0.146
Delivered Energy	1.048	1.600	1.218	0.778	0.777	0.770	0.765	0.761	0.758	0.753	0.746	0.742	0.739	0.734	0.731
Electricity Related Losses	0.190	0.202	0.199	0.204	0.209	0.213	0.217	0.220	0.224	0.227	0.229	0.231	0.234	0.237	0.240
Total	0.727	0.733	0.736	0.743	0.745	0.750	0.753	0.760	0.767	0.771	0.773	0.777	0.780	0.784	0.785
Delivered Energy	4.308	4.960	4.472	4.083	4.176	4.193	4.215	4.238	4.257	4.268	4.266	4.278	4.291	4.304	4.278
Electricity Related Losses	1.641	1.667	1.789	1.801	1.833	1.843	1.821	1.855	1.859	1.869	1.879	1.875	1.874	1.867	1.863
Total	5.949	6.627	6.260	5.884	6.009	6.036	6.036	6.093	6.116	6.136	6.145	6.154	6.166	6.171	6.141

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	0.831	0.867	0.879	0.897	0.917	0.931	0.947	0.962	0.978	0.991	1.001	1.010	1.019	1.029	1.039
Jet Fuel 9/	0.312	0.321	0.322	0.328	0.337	0.343	0.350	0.360	0.371	0.375	0.379	0.382	0.384	0.387	0.391
Motor Gasoline 2/	2.629	2.677	2.686	2.690	2.715	2.739	2.767	2.794	2.818	2.837	2.853	2.871	2.889	2.902	2.918
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	0.003	0.003
Liquefied Petroleum Gas	0.004	0.005	0.007	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.011	0.011	0.011	0.011	0.012
Other Petroleum 10/	0.023	0.025	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.023	0.023	0.023	0.023
Petroleum Subtotal	3.801	3.898	3.921	3.950	4.004	4.049	4.099	4.153	4.203	4.240	4.270	4.300	4.329	4.355	4.386
Pipeline Fuel Natural Gas	0.064	0.064	0.074	0.070	0.067	0.065	0.064	0.062	0.062	0.062	0.062	0.063	0.064	0.064	0.064
Compressed Natural Gas	0.003	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.010	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	0.001	0.001	0.001	0.001
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	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Delivered Energy	3.881	3.979	4.013	4.038	4.091	4.134	4.184	4.236	4.287	4.325	4.356	4.386	4.417	4.444	4.475
Electricity Related Losses	0.030	0.030	0.032	0.032	0.033	0.033	0.033	0.033	0.033	0.033	0.034	0.033	0.033	0.033	0.033
Total	3.911	4.009	4.045	4.070	4.123	4.167	4.216	4.269	4.320	4.358	4.390	4.420	4.451	4.477	4.508
Delivered Energy Consumption, All Sectors															
Distillate Fuel	1.099	1.143	1.164	1.171	1.186	1.199	1.215	1.230	1.244	1.255	1.264	1.271	1.278	1.287	1.296
Kerosene	0.006	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Jet Fuel 9/	0.312	0.321	0.322	0.328	0.337	0.343	0.350	0.360	0.371	0.375	0.379	0.382	0.384	0.387	0.391
Liquefied Petroleum Gas	0.243	0.248	0.245	0.245	0.245	0.247	0.249	0.251	0.253	0.255	0.256	0.257	0.258	0.258	0.259
Motor Gasoline 2/	2.681	2.730	2.738	2.742	2.768	2.792	2.819	2.846	2.870	2.889	2.904	2.922	2.940	2.953	2.969
Petrochemical Feedstocks	0.210	0.228	0.218	0.223	0.226	0.225	0.223	0.223	0.223	0.223	0.222	0.220	0.220	0.219	0.219
Residual Fuel	0.018	0.018	0.018	0.014	0.020	0.026	0.020	0.027	0.027	0.027	0.027	0.024	0.027	0.026	0.027
Other Petroleum 12/	0.647	0.649	0.628	0.632	0.681	0.688	0.692	0.693	0.697	0.697	0.697	0.702	0.696	0.707	0.701
Petroleum Subtotal	5.217	5.344	5.341	5.363	5.472	5.529	5.576	5.639	5.693	5.730	5.757	5.786	5.812	5.847	5.870
Natural Gas	3.473	3.381	3.286	3.326	3.351	3.383	3.425	3.453	3.480	3.511	3.518	3.539	3.567	3.585	3.569
Lease and Plant Fuel 6/	0.010	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Pipeline Natural Gas	0.064	0.064	0.074	0.070	0.067	0.065	0.064	0.062	0.062	0.062	0.062	0.063	0.064	0.064	0.064
Natural Gas Subtotal	3.548	3.457	3.370	3.406	3.429	3.458	3.498	3.524	3.552	3.583	3.591	3.612	3.641	3.660	3.644
Metallurgical Coal	0.300	0.287	0.294	0.276	0.274	0.269	0.265	0.261	0.258	0.254	0.250	0.246	0.243	0.240	0.237
Other Coal	0.372	0.356	0.366	0.370	0.369	0.369	0.369	0.369	0.370	0.370	0.369	0.369	0.369	0.369	0.369
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	0.396	0.978	0.579	0.152	0.154	0.152	0.151	0.151	0.151	0.150	0.148	0.147	0.147	0.146	0.146
Coal Subtotal	1.068	1.621	1.239	0.798	0.797	0.791	0.786	0.781	0.779	0.774	0.767	0.762	0.759	0.755	0.751
Renewable Energy 13/	0.284	0.296	0.296	0.307	0.311	0.315	0.317	0.320	0.322	0.325	0.327	0.329	0.332	0.334	0.337
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	1.964	1.993	2.069	2.075	2.096	2.127	2.152	2.182	2.209	2.235	2.253	2.275	2.299	2.323	2.342
Delivered Energy	12.080	12.711	12.315	11.949	12.105	12.219	12.329	12.446	12.555	12.647	12.696	12.766	12.843	12.919	12.944
Electricity Related Losses	4.435	4.530	5.031	5.028	5.154	5.228	5.204	5.325	5.357	5.417	5.477	5.492	5.520	5.533	5.559
Total	16.515	17.241	17.346	16.977	17.259	17.447	17.533	17.771	17.912	18.063	18.172	18.257	18.363	18.452	18.503
Electric Power 14/															
Distillate Fuel	0.036	0.031	0.038	0.038	0.038	0.039	0.039	0.038	0.036	0.034	0.033	0.033	0.033	0.035	0.037
Residual Fuel	0.002	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Subtotal	0.037	0.032	0.040	0.039	0.038	0.039	0.040	0.038	0.037	0.034	0.033	0.033	0.033	0.035	0.037
Natural Gas	0.208	0.207	0.475	0.439	0.429	0.434	0.433	0.442	0.461	0.501	0.539	0.568	0.601	0.626	0.634
Steam Coal	4.584	4.664	5.005	5.006	5.074	5.181	5.170	5.315	5.363	5.400	5.435	5.436	5.415	5.414	5.444
Nuclear Power	1.487	1.536	1.499	1.523	1.593	1.593	1.597	1.597	1.597	1.597	1.597	1.597	1.601	1.601	1.601
Renewable Energy/Other 15/	0.095	0.095	0.103	0.113	0.125	0.124	0.137	0.137	0.132	0.144	0.148	0.156	0.193	0.201	0.202
Electricity Imports	-0.013	-0.011	-0.023	-0.016	-0.009	-0.017	-0.021	-0.022	-0.023	-0.023	-0.022	-0.022	-0.024	-0.021	-0.018
Total	6.399	6.523	7.100	7.104	7.250	7.355	7.356	7.507	7.566	7.652	7.730	7.767	7.819	7.857	7.901

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	1.135	1.174	1.202	1.209	1.224	1.238	1.254	1.268	1.280	1.289	1.297	1.304	1.311	1.322	1.332
Kerosene	0.006	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Jet Fuel 9/	0.312	0.321	0.322	0.328	0.337	0.343	0.350	0.360	0.371	0.375	0.379	0.382	0.384	0.387	0.391
Liquefied Petroleum Gas	0.243	0.248	0.245	0.245	0.245	0.247	0.249	0.251	0.253	0.255	0.256	0.257	0.258	0.258	0.259
Motor Gasoline 2/	2.681	2.730	2.738	2.742	2.768	2.792	2.819	2.846	2.870	2.889	2.904	2.922	2.940	2.953	2.969
Petrochemical Feedstocks	0.210	0.228	0.218	0.223	0.226	0.225	0.223	0.223	0.223	0.223	0.222	0.220	0.220	0.219	0.219
Residual Fuel	0.020	0.019	0.020	0.015	0.020	0.026	0.020	0.028	0.027	0.027	0.027	0.025	0.027	0.026	0.027
Other Petroleum 12/	0.647	0.649	0.628	0.632	0.681	0.688	0.692	0.693	0.697	0.697	0.697	0.702	0.696	0.707	0.701
Petroleum Subtotal	5.254	5.377	5.381	5.402	5.510	5.568	5.615	5.677	5.730	5.763	5.791	5.819	5.845	5.882	5.907
Natural Gas	3.682	3.588	3.761	3.765	3.781	3.817	3.858	3.895	3.941	4.012	4.057	4.107	4.168	4.211	4.203
Lease and Plant Fuel 6/	0.010	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Pipeline Natural Gas	0.064	0.064	0.074	0.070	0.067	0.065	0.064	0.062	0.062	0.062	0.062	0.063	0.064	0.064	0.064
Natural Gas Subtotal	3.756	3.664	3.846	3.845	3.858	3.892	3.932	3.966	4.013	4.084	4.129	4.180	4.242	4.286	4.278
Metallurgical Coal	0.300	0.287	0.294	0.276	0.274	0.269	0.265	0.261	0.258	0.254	0.250	0.246	0.243	0.240	0.237
Other Coal	4.956	5.020	5.371	5.376	5.443	5.550	5.539	5.684	5.733	5.770	5.804	5.805	5.784	5.783	5.813
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	0.396	0.978	0.579	0.152	0.154	0.152	0.151	0.151	0.151	0.150	0.148	0.147	0.147	0.146	0.146
Coal Subtotal	5.652	6.285	6.244	5.804	5.871	5.972	5.955	6.096	6.142	6.174	6.202	6.198	6.174	6.169	6.196
Nuclear Power	1.487	1.536	1.499	1.523	1.593	1.594	1.597	1.597	1.597	1.597	1.597	1.597	1.601	1.601	1.601
Renewable Energy 16/	0.379	0.391	0.399	0.420	0.436	0.439	0.455	0.457	0.454	0.469	0.475	0.485	0.525	0.535	0.539
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	-0.013	-0.011	-0.023	-0.016	-0.009	-0.017	-0.021	-0.022	-0.023	-0.023	-0.022	-0.022	-0.024	-0.021	-0.018
Total	16.515	17.241	17.346	16.977	17.259	17.447	17.533	17.771	17.912	18.063	18.172	18.257	18.363	18.452	18.503
Energy Use and Related Statistics															
Delivered Energy Use	12.080	12.711	12.315	11.949	12.105	12.219	12.329	12.446	12.555	12.647	12.696	12.766	12.843	12.919	12.944
Total Energy Use	16.515	17.241	17.346	16.977	17.259	17.447	17.533	17.771	17.912	18.063	18.172	18.257	18.363	18.452	18.503
Population (millions)	45.937	46.101	46.285	46.462	46.632	46.794	46.955	47.110	47.260	47.404	47.541	47.670	47.791	47.903	48.006
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

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.041	0.039	0.038	0.037	0.035	0.034	0.033	0.031	0.030	0.028	0.027	0.026	0.024	-3.2%
Kerosene	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.9%
Liquefied Petroleum Gas	0.139	0.139	0.140	0.140	0.140	0.141	0.142	0.142	0.142	0.142	0.142	0.142	0.143	0.4%
Petroleum Subtotal	0.185	0.185	0.184	0.183	0.181	0.180	0.180	0.178	0.177	0.176	0.175	0.174	0.173	-0.4%
Natural Gas	1.464	1.458	1.457	1.447	1.441	1.435	1.433	1.421	1.414	1.407	1.405	1.394	1.386	-0.1%
Coal	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.4%
Renewable Energy 1/ Electricity	0.079	0.078	0.078	0.078	0.078	0.077	0.077	0.076	0.076	0.075	0.075	0.074	0.074	-0.1%
Delivered Energy	2.489	2.489	2.486	2.488	2.486	2.484	2.489	2.479	2.477	2.474	2.479	2.470	2.467	0.2%
Electricity Related Losses	1.793	1.799	1.807	1.802	1.795	1.788	1.790	1.800	1.786	1.780	1.782	1.774	1.779	0.9%
Total	4.281	4.287	4.303	4.290	4.281	4.272	4.279	4.279	4.263	4.254	4.261	4.244	4.246	0.5%
Commercial														
Distillate Fuel	0.055	0.055	0.055	0.055	0.056	0.056	0.056	0.056	0.057	0.057	0.057	0.058	0.058	0.4%
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	-1.0%
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	1.1%
Liquefied Petroleum Gas	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	0.3%
Motor Gasoline 2/ Petroleum Subtotal	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.4%
Natural Gas	0.089	0.089	0.089	0.089	0.090	0.090	0.091	0.091	0.091	0.091	0.091	0.092	0.093	0.3%
Coal	0.794	0.799	0.806	0.812	0.818	0.825	0.831	0.836	0.842	0.849	0.855	0.862	0.868	0.8%
Renewable Energy 3/ Electricity	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	-0.1%
Delivered Energy	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.0%
Electricity Related Losses	0.803	0.815	0.828	0.841	0.854	0.867	0.878	0.889	0.902	0.915	0.929	0.943	0.958	1.7%
Total	1.722	1.740	1.759	1.778	1.798	1.818	1.835	1.853	1.872	1.891	1.912	1.934	1.954	1.2%
Electricity Related Losses	1.898	1.915	1.931	1.946	1.955	1.963	1.972	2.000	1.998	2.004	2.016	2.028	2.050	1.4%
Total	3.621	3.655	3.690	3.724	3.753	3.781	3.807	3.853	3.870	3.895	3.928	3.961	4.004	1.3%
Industrial 4/														
Distillate Fuel	0.160	0.159	0.158	0.157	0.157	0.156	0.155	0.155	0.156	0.156	0.156	0.157	0.157	-0.2%
Liquefied Petroleum Gas	0.087	0.087	0.086	0.086	0.086	0.086	0.085	0.085	0.085	0.085	0.085	0.085	0.085	-0.4%
Petrochemical Feedstocks	0.218	0.218	0.217	0.217	0.217	0.216	0.215	0.214	0.213	0.213	0.212	0.211	0.210	-0.3%
Residual Fuel	0.019	0.021	0.018	0.020	0.022	0.022	0.022	0.020	0.018	0.018	0.017	0.021	0.021	2.4%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.043	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.043	0.043	0.043	0.043	0.043	-0.2%
Natural Gas	0.686	0.692	0.697	0.697	0.702	0.693	0.706	0.712	0.721	0.725	0.728	0.739	0.752	0.7%
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.213	1.219	1.219	1.220	1.226	1.215	1.226	1.229	1.236	1.240	1.241	1.256	1.268	0.3%
Metallurgical Coal	1.308	1.310	1.311	1.319	1.323	1.335	1.339	1.351	1.361	1.366	1.371	1.374	1.374	0.4%
Other Industrial Coal	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	-0.2%
Coal-to-Liquids Heat and Power	1.318	1.320	1.321	1.330	1.334	1.346	1.350	1.362	1.372	1.377	1.382	1.385	1.385	0.4%
Net Coal Coke Imports	0.234	0.230	0.226	0.222	0.219	0.216	0.213	0.210	0.208	0.206	0.203	0.201	0.198	-1.4%
Coal Subtotal	0.348	0.348	0.348	0.348	0.348	0.348	0.348	0.348	0.348	0.349	0.349	0.349	0.350	0.2%
Renewable Energy 7/ Electricity	0.000	0.000	0.156	0.312	0.442	0.533	0.634	0.693	0.781	0.837	0.875	0.955	0.955	42.1%
Delivered Energy	0.145	0.143	0.142	0.140	0.138	0.137	0.136	0.135	0.134	0.134	0.133	0.132	0.131	-7.4%
Electricity Related Losses	0.727	0.721	0.872	1.022	1.147	1.233	1.330	1.386	1.472	1.525	1.560	1.637	1.633	0.1%
Total	0.243	0.245	0.247	0.249	0.252	0.254	0.256	0.258	0.261	0.263	0.265	0.268	0.270	1.1%
Delivered Energy	0.789	0.790	0.790	0.791	0.790	0.791	0.793	0.794	0.797	0.800	0.803	0.805	0.807	0.4%
Electricity Related Losses	4.290	4.296	4.450	4.612	4.749	4.839	4.956	5.030	5.139	5.206	5.251	5.350	5.363	0.3%
Total	1.863	1.856	1.844	1.831	1.810	1.792	1.782	1.786	1.766	1.752	1.742	1.731	1.727	0.1%
Total	6.153	6.153	6.294	6.443	6.559	6.631	6.738	6.816	6.904	6.958	6.993	7.081	7.090	0.3%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	1.049	1.058	1.068	1.080	1.091	1.104	1.117	1.131	1.146	1.162	1.178	1.195	1.212	1.3%
Jet Fuel 9/	0.393	0.395	0.393	0.392	0.390	0.388	0.386	0.384	0.383	0.382	0.382	0.382	0.383	0.7%
Motor Gasoline 2/	2.935	2.947	2.957	2.966	2.973	2.981	2.988	2.995	3.004	3.012	3.019	3.027	3.033	0.5%
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	0.002	-0.6%
Liquefied Petroleum Gas	0.012	0.012	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	4.3%
Other Petroleum 10/	0.023	0.023	0.023	0.023	0.023	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	-0.5%
Petroleum Subtotal	4.415	4.438	4.457	4.475	4.493	4.512	4.530	4.549	4.572	4.595	4.618	4.642	4.667	0.7%
Pipeline Fuel Natural Gas	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.063	0.063	0.063	0.063	0.063	0.063	-0.1%
Compressed Natural Gas	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.013	0.013	4.8%
Renewable Energy (E85) 11/	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	5.7%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	N/A
Electricity	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.3%
Delivered Energy	4.505	4.528	4.547	4.566	4.583	4.602	4.621	4.640	4.662	4.686	4.709	4.733	4.758	0.7%
Electricity Related Losses	0.033	0.033	0.033	0.033	0.032	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031	0.1%
Total	4.538	4.561	4.580	4.598	4.616	4.634	4.653	4.672	4.694	4.717	4.740	4.764	4.789	0.7%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.305	1.312	1.320	1.329	1.339	1.349	1.361	1.373	1.388	1.404	1.419	1.435	1.452	0.9%
Kerosene	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.7%
Jet Fuel 9/	0.393	0.395	0.393	0.392	0.390	0.388	0.386	0.384	0.383	0.382	0.382	0.382	0.383	0.7%
Liquefied Petroleum Gas	0.260	0.260	0.261	0.261	0.261	0.262	0.263	0.263	0.264	0.264	0.264	0.264	0.264	0.3%
Motor Gasoline 2/	2.985	2.998	3.007	3.016	3.023	3.031	3.039	3.046	3.054	3.063	3.070	3.078	3.085	0.5%
Petrochemical Feedstocks	0.218	0.218	0.217	0.217	0.217	0.216	0.215	0.214	0.213	0.213	0.212	0.211	0.210	-0.3%
Residual Fuel	0.025	0.027	0.023	0.026	0.028	0.028	0.027	0.025	0.024	0.023	0.023	0.026	0.026	1.5%
Other Petroleum 12/	0.707	0.713	0.718	0.718	0.723	0.713	0.726	0.732	0.741	0.745	0.747	0.759	0.772	0.7%
Petroleum Subtotal	5.902	5.931	5.949	5.967	5.990	5.997	6.026	6.047	6.076	6.103	6.125	6.164	6.201	0.6%
Natural Gas	3.577	3.578	3.584	3.590	3.595	3.607	3.615	3.621	3.630	3.635	3.643	3.642	3.641	0.3%
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	-0.2%
Pipeline Natural Gas	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.063	0.063	0.063	0.063	0.063	0.063	-0.1%
Natural Gas Subtotal	3.651	3.653	3.659	3.664	3.669	3.682	3.689	3.696	3.704	3.709	3.718	3.716	3.715	0.3%
Metallurgical Coal	0.234	0.230	0.226	0.222	0.219	0.216	0.213	0.210	0.208	0.206	0.203	0.201	0.198	-1.4%
Other Coal	0.369	0.369	0.369	0.368	0.368	0.368	0.368	0.368	0.368	0.369	0.369	0.370	0.370	0.1%
Coal-to-Liquids Heat and Power	0.000	0.000	0.156	0.312	0.442	0.533	0.634	0.693	0.781	0.837	0.875	0.955	0.955	42.1%
Net Coal Coke Imports	0.145	0.143	0.142	0.140	0.138	0.137	0.136	0.135	0.134	0.134	0.133	0.132	0.131	-7.4%
Coal Subtotal	0.747	0.742	0.892	1.043	1.167	1.254	1.351	1.406	1.492	1.545	1.581	1.657	1.654	0.1%
Renewable Energy 13/	0.340	0.342	0.344	0.346	0.348	0.350	0.352	0.354	0.356	0.357	0.359	0.361	0.362	0.8%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	N/A
Electricity	2.365	2.385	2.407	2.424	2.442	2.461	2.482	2.498	2.520	2.542	2.568	2.589	2.610	1.0%
Delivered Energy	13.006	13.053	13.252	13.444	13.616	13.744	13.901	14.002	14.149	14.257	14.351	14.487	14.542	0.5%
Electricity Related Losses	5.587	5.603	5.615	5.611	5.592	5.576	5.576	5.619	5.582	5.568	5.572	5.563	5.586	0.8%
Total	18.593	18.656	18.867	19.055	19.209	19.319	19.477	19.621	19.731	19.825	19.922	20.051	20.128	0.6%
Electric Power 14/														
Distillate Fuel	0.037	0.036	0.036	0.036	0.036	0.036	0.036	0.035	0.035	0.035	0.035	0.035	0.035	0.4%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-7.3%
Petroleum Subtotal	0.037	0.036	0.036	0.036	0.036	0.036	0.036	0.035	0.035	0.035	0.035	0.035	0.035	0.3%
Natural Gas	0.658	0.680	0.698	0.712	0.726	0.733	0.747	0.748	0.740	0.750	0.756	0.762	0.761	5.1%
Steam Coal	5.455	5.462	5.476	5.475	5.465	5.466	5.476	5.553	5.547	5.541	5.564	5.570	5.615	0.7%
Nuclear Power	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	0.2%
Renewable Energy/Other 15/	0.219	0.222	0.226	0.225	0.220	0.217	0.212	0.195	0.193	0.197	0.197	0.198	0.198	2.9%
Electricity Imports	-0.018	-0.013	-0.015	-0.014	-0.015	-0.017	-0.014	-0.015	-0.015	-0.014	-0.014	-0.014	-0.014	0.9%
Total	7.952	7.989	8.022	8.035	8.034	8.037	8.058	8.118	8.102	8.110	8.139	8.152	8.196	0.9%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	1.341	1.348	1.356	1.365	1.374	1.385	1.397	1.409	1.424	1.439	1.453	1.470	1.486	0.9%
Kerosene	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.7%
Jet Fuel 9/	0.393	0.395	0.393	0.392	0.390	0.388	0.386	0.384	0.383	0.382	0.382	0.382	0.383	0.7%
Liquefied Petroleum Gas	0.260	0.260	0.261	0.261	0.261	0.262	0.263	0.263	0.264	0.264	0.264	0.264	0.264	0.3%
Motor Gasoline 2/	2.985	2.998	3.007	3.016	3.023	3.031	3.039	3.046	3.054	3.063	3.070	3.078	3.085	0.5%
Petrochemical Feedstocks	0.218	0.218	0.217	0.217	0.217	0.216	0.215	0.214	0.213	0.213	0.212	0.211	0.210	-0.3%
Residual Fuel	0.025	0.027	0.024	0.026	0.028	0.028	0.027	0.025	0.024	0.023	0.023	0.026	0.026	1.2%
Other Petroleum 12/	0.707	0.713	0.718	0.718	0.723	0.713	0.726	0.732	0.741	0.745	0.747	0.759	0.772	0.7%
Petroleum Subtotal	5.939	5.967	5.985	6.003	6.026	6.033	6.062	6.082	6.112	6.138	6.160	6.199	6.235	0.6%
Natural Gas	4.235	4.258	4.282	4.302	4.321	4.341	4.362	4.369	4.371	4.386	4.400	4.405	4.403	0.8%
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	-0.2%
Pipeline Natural Gas	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.063	0.063	0.063	0.063	0.063	0.063	-0.1%
Natural Gas Subtotal	4.310	4.333	4.357	4.377	4.396	4.415	4.437	4.444	4.445	4.460	4.474	4.479	4.476	0.8%
Metallurgical Coal	0.234	0.230	0.226	0.222	0.219	0.216	0.213	0.210	0.208	0.206	0.203	0.201	0.198	-1.4%
Other Coal	5.824	5.831	5.845	5.843	5.834	5.834	5.844	5.921	5.916	5.909	5.933	5.939	5.985	0.7%
Coal-to-Liquids Heat and Power	0.000	0.000	0.156	0.312	0.442	0.533	0.634	0.693	0.781	0.837	0.875	0.955	0.955	42.1%
Net Coal Coke Imports	0.145	0.143	0.142	0.140	0.138	0.137	0.136	0.135	0.134	0.134	0.133	0.132	0.131	-7.4%
Coal Subtotal	6.202	6.204	6.369	6.518	6.633	6.720	6.826	6.959	7.039	7.086	7.144	7.227	7.269	0.6%
Nuclear Power	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	1.601	0.2%
Renewable Energy 16/	0.559	0.564	0.570	0.571	0.568	0.567	0.564	0.549	0.549	0.554	0.557	0.559	0.561	1.4%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	N/A
Electricity Imports	-0.018	-0.013	-0.015	-0.014	-0.015	-0.017	-0.014	-0.015	-0.015	-0.014	-0.014	-0.014	-0.014	0.9%
Total	18.593	18.656	18.867	19.055	19.209	19.319	19.477	19.621	19.731	19.825	19.922	20.051	20.128	0.6%
Energy Use and Related Statistics														
Delivered Energy Use	13.006	13.053	13.252	13.444	13.616	13.744	13.901	14.002	14.149	14.257	14.351	14.487	14.542	0.5%
Total Energy Use	18.593	18.656	18.867	19.055	19.209	19.319	19.477	19.621	19.731	19.825	19.922	20.051	20.128	0.6%
Population (millions)	48.099	48.183	48.257	48.322	48.379	48.429	48.472	48.509	48.543	48.576	48.608	48.638	48.668	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 3. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)
East North Central

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.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Consumption															
Residential															
Distillate Fuel	0.022	0.023	0.023	0.022	0.021	0.021	0.021	0.021	0.021	0.021	0.020	0.020	0.020	0.020	0.020
Kerosene	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Liquefied Petroleum Gas	0.105	0.108	0.104	0.104	0.103	0.104	0.105	0.105	0.106	0.107	0.107	0.107	0.108	0.108	0.108
Petroleum Subtotal	0.128	0.132	0.129	0.128	0.126	0.127	0.127	0.128	0.129	0.129	0.129	0.129	0.130	0.130	0.130
Natural Gas	0.479	0.458	0.456	0.470	0.469	0.474	0.476	0.479	0.481	0.485	0.484	0.485	0.488	0.491	0.491
Coal	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
Renewable Energy 1/ Electricity	0.023	0.024	0.024	0.027	0.027	0.027	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
Delivered Energy	0.320	0.320	0.340	0.343	0.348	0.355	0.360	0.366	0.371	0.377	0.382	0.387	0.393	0.399	0.402
Electricity Related Losses	0.952	0.935	0.951	0.970	0.972	0.984	0.991	1.000	1.008	1.019	1.023	1.029	1.038	1.048	1.051
Total	0.825	0.819	0.862	0.870	0.890	0.904	0.911	0.915	0.910	0.915	0.914	0.913	0.915	0.914	0.906
Total	1.778	1.755	1.813	1.840	1.861	1.888	1.903	1.915	1.919	1.934	1.936	1.942	1.953	1.962	1.957
Commercial															
Distillate Fuel	0.028	0.029	0.030	0.028	0.028	0.028	0.029	0.029	0.029	0.029	0.029	0.030	0.030	0.030	0.030
Residual Fuel	0.004	0.004	0.004	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquefied Petroleum Gas	0.016	0.015	0.015	0.014	0.015	0.016	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.015	0.016
Motor Gasoline 2/ Petroleum Subtotal	0.009	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009
Delivered Energy	0.056	0.057	0.057	0.053	0.054	0.055	0.055	0.056	0.056	0.056	0.057	0.057	0.057	0.057	0.057
Electricity Related Losses	0.312	0.287	0.284	0.283	0.284	0.288	0.292	0.297	0.302	0.307	0.311	0.315	0.321	0.326	0.330
Total	0.012	0.012	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
Renewable Energy 3/ Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Delivered Energy	0.296	0.301	0.320	0.322	0.331	0.340	0.347	0.353	0.360	0.368	0.376	0.382	0.389	0.396	0.404
Electricity Related Losses	0.680	0.662	0.677	0.676	0.685	0.700	0.712	0.723	0.735	0.749	0.760	0.771	0.784	0.796	0.808
Total	0.763	0.770	0.809	0.818	0.846	0.865	0.878	0.884	0.885	0.893	0.899	0.902	0.907	0.909	0.909
Total	1.443	1.431	1.486	1.493	1.532	1.565	1.590	1.608	1.621	1.642	1.659	1.673	1.691	1.705	1.717
Industrial 4/															
Distillate Fuel	0.159	0.163	0.170	0.167	0.165	0.164	0.162	0.162	0.161	0.159	0.158	0.158	0.157	0.157	0.156
Liquefied Petroleum Gas	0.115	0.117	0.115	0.116	0.116	0.116	0.115	0.114	0.114	0.114	0.114	0.113	0.113	0.112	0.112
Petrochemical Feedstocks	0.026	0.028	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.027	0.027	0.027	0.027
Residual Fuel	0.008	0.008	0.008	0.006	0.008	0.010	0.008	0.010	0.010	0.010	0.010	0.009	0.010	0.010	0.010
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.041	0.042	0.042	0.042	0.041	0.041	0.041	0.041	0.041	0.041	0.040	0.040	0.040	0.040	0.040
Delivered Energy	0.242	0.249	0.247	0.247	0.262	0.263	0.263	0.263	0.265	0.265	0.264	0.266	0.265	0.269	0.266
Electricity Related Losses	0.592	0.607	0.608	0.604	0.620	0.621	0.617	0.619	0.618	0.616	0.614	0.613	0.612	0.614	0.611
Total	0.411	0.434	0.411	0.426	0.458	0.480	0.508	0.530	0.552	0.575	0.584	0.585	0.587	0.585	0.589
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.032	0.031	0.038	0.039	0.040	0.041	0.041	0.042	0.042	0.042	0.043	0.044	0.043	0.042	0.044
Delivered Energy	0.443	0.465	0.449	0.465	0.498	0.520	0.549	0.572	0.594	0.618	0.627	0.629	0.630	0.628	0.633
Electricity Related Losses	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.234	0.233	0.245	0.251	0.258	0.258	0.258	0.258	0.257	0.257	0.257	0.257	0.257	0.256	0.256
Coal-to-Liquids Heat and Power Net Coal Coke Imports Coal Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.041	0.062	0.072	0.081	0.091	0.109
Delivered Energy	0.000	0.000	0.000	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 Related Losses	0.234	0.233	0.245	0.251	0.258	0.258	0.258	0.258	0.278	0.299	0.319	0.328	0.338	0.347	0.365
Total	0.077	0.081	0.080	0.082	0.083	0.084	0.085	0.086	0.087	0.087	0.088	0.089	0.089	0.090	0.091
Renewable Energy 7/ Electricity	0.269	0.272	0.273	0.276	0.282	0.286	0.289	0.294	0.298	0.302	0.303	0.304	0.305	0.306	0.308
Delivered Energy	1.615	1.658	1.655	1.678	1.741	1.769	1.798	1.828	1.875	1.922	1.951	1.963	1.974	1.986	2.007
Electricity Related Losses	0.692	0.695	0.691	0.700	0.722	0.728	0.732	0.735	0.732	0.732	0.725	0.718	0.712	0.703	0.693
Total	2.307	2.353	2.346	2.378	2.463	2.498	2.530	2.563	2.607	2.653	2.677	2.681	2.686	2.688	2.701

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	0.489	0.510	0.517	0.530	0.543	0.554	0.565	0.577	0.588	0.598	0.606	0.613	0.620	0.627	0.635
Jet Fuel 9/	0.135	0.139	0.139	0.142	0.146	0.149	0.153	0.157	0.162	0.164	0.166	0.168	0.169	0.171	0.173
Motor Gasoline 2/	1.253	1.277	1.281	1.284	1.311	1.332	1.351	1.369	1.384	1.398	1.409	1.422	1.434	1.445	1.456
Residual Fuel	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
Other Petroleum 10/	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Petroleum Subtotal	1.892	1.942	1.954	1.973	2.019	2.053	2.088	2.122	2.153	2.179	2.200	2.222	2.243	2.263	2.285
Pipeline Fuel Natural Gas	0.095	0.095	0.109	0.105	0.100	0.096	0.093	0.089	0.088	0.087	0.086	0.085	0.087	0.088	0.087
Compressed Natural Gas	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.007
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	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	0.000	0.000
Electricity	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Delivered Energy	1.994	2.045	2.072	2.086	2.128	2.159	2.191	2.221	2.252	2.277	2.299	2.319	2.343	2.363	2.386
Electricity Related Losses	0.015	0.015	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.014	0.014	0.014	0.014	0.014	0.014
Total	2.009	2.059	2.086	2.101	2.143	2.174	2.205	2.236	2.267	2.292	2.313	2.333	2.357	2.377	2.400
Delivered Energy Consumption, All Sectors															
Distillate Fuel	0.697	0.725	0.739	0.746	0.757	0.767	0.778	0.789	0.799	0.807	0.814	0.820	0.826	0.834	0.841
Kerosene	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Jet Fuel 9/	0.135	0.139	0.139	0.142	0.146	0.149	0.153	0.157	0.162	0.164	0.166	0.168	0.169	0.171	0.173
Liquefied Petroleum Gas	0.238	0.243	0.238	0.238	0.239	0.239	0.239	0.240	0.241	0.242	0.241	0.241	0.242	0.241	0.242
Motor Gasoline 2/	1.303	1.327	1.330	1.333	1.361	1.382	1.401	1.419	1.434	1.447	1.458	1.470	1.483	1.493	1.505
Petrochemical Feedstocks	0.026	0.028	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.027	0.027	0.027	0.027
Residual Fuel	0.013	0.013	0.013	0.009	0.011	0.013	0.011	0.014	0.014	0.014	0.014	0.013	0.014	0.013	0.014
Other Petroleum 12/	0.254	0.261	0.259	0.259	0.274	0.275	0.275	0.275	0.277	0.277	0.276	0.278	0.277	0.281	0.279
Petroleum Subtotal	2.668	2.738	2.748	2.758	2.819	2.856	2.887	2.924	2.956	2.980	3.000	3.021	3.041	3.064	3.083
Natural Gas	1.204	1.181	1.153	1.182	1.215	1.245	1.280	1.311	1.341	1.373	1.385	1.392	1.402	1.410	1.418
Lease and Plant Fuel 6/	0.032	0.031	0.038	0.039	0.040	0.041	0.041	0.042	0.042	0.042	0.043	0.044	0.043	0.042	0.044
Pipeline Natural Gas	0.095	0.095	0.109	0.105	0.100	0.096	0.093	0.089	0.088	0.087	0.086	0.085	0.087	0.088	0.087
Natural Gas Subtotal	1.331	1.307	1.301	1.326	1.355	1.382	1.414	1.441	1.470	1.502	1.514	1.521	1.532	1.540	1.549
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	0.248	0.247	0.259	0.266	0.272	0.272	0.272	0.272	0.272	0.271	0.271	0.271	0.271	0.270	0.270
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.041	0.062	0.072	0.081	0.091	0.109
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	0.248	0.247	0.259	0.266	0.272	0.272	0.272	0.272	0.292	0.313	0.333	0.342	0.352	0.361	0.379
Renewable Energy 13/	0.105	0.109	0.109	0.113	0.114	0.115	0.116	0.117	0.117	0.118	0.119	0.119	0.120	0.121	0.122
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	0.891	0.899	0.938	0.947	0.967	0.986	1.002	1.019	1.035	1.053	1.066	1.080	1.094	1.108	1.120
Delivered Energy	5.242	5.300	5.355	5.410	5.527	5.612	5.692	5.773	5.871	5.966	6.033	6.083	6.139	6.193	6.253
Electricity Related Losses	2.295	2.298	2.376	2.402	2.472	2.512	2.536	2.550	2.542	2.555	2.552	2.547	2.548	2.539	2.523
Total	7.537	7.598	7.731	7.812	7.999	8.124	8.228	8.322	8.413	8.521	8.585	8.630	8.687	8.733	8.775
Electric Power 14/															
Distillate Fuel	0.018	0.017	0.017	0.016	0.016	0.016	0.018	0.018	0.018	0.017	0.016	0.016	0.015	0.014	0.014
Residual Fuel	0.006	0.005	0.009	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Subtotal	0.024	0.022	0.027	0.020	0.017	0.016	0.018	0.018	0.018	0.018	0.017	0.016	0.015	0.014	0.014
Natural Gas	0.065	0.061	0.092	0.083	0.085	0.083	0.084	0.085	0.088	0.092	0.099	0.105	0.117	0.124	0.125
Steam Coal	2.480	2.461	2.523	2.544	2.631	2.688	2.724	2.749	2.754	2.780	2.785	2.787	2.790	2.793	2.789
Nuclear Power	0.460	0.474	0.465	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Renewable Energy/Other 15/	0.167	0.170	0.189	0.218	0.229	0.228	0.226	0.228	0.228	0.230	0.230	0.230	0.230	0.228	0.231
Electricity Imports	-0.010	0.009	0.019	0.013	0.008	0.014	0.017	0.018	0.019	0.019	0.018	0.018	0.019	0.017	0.015
Total	3.186	3.197	3.315	3.349	3.439	3.499	3.538	3.568	3.577	3.608	3.619	3.627	3.642	3.647	3.643

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	0.715	0.742	0.757	0.762	0.773	0.783	0.795	0.807	0.817	0.824	0.830	0.836	0.842	0.848	0.855
Kerosene	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Jet Fuel 9/	0.135	0.139	0.139	0.142	0.146	0.149	0.153	0.157	0.162	0.164	0.166	0.168	0.169	0.171	0.173
Liquefied Petroleum Gas	0.238	0.243	0.238	0.238	0.239	0.239	0.239	0.240	0.241	0.242	0.241	0.241	0.242	0.241	0.242
Motor Gasoline 2/	1.303	1.327	1.330	1.333	1.361	1.382	1.401	1.419	1.434	1.447	1.458	1.470	1.483	1.493	1.505
Petrochemical Feedstocks	0.026	0.028	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.027	0.027	0.027	0.027
Residual Fuel	0.019	0.018	0.023	0.014	0.012	0.013	0.011	0.014	0.014	0.014	0.014	0.013	0.014	0.014	0.014
Other Petroleum 12/	0.254	0.261	0.259	0.259	0.274	0.275	0.275	0.275	0.277	0.277	0.276	0.278	0.277	0.281	0.279
Petroleum Subtotal	2.692	2.760	2.775	2.779	2.836	2.873	2.905	2.943	2.974	2.998	3.017	3.037	3.057	3.078	3.097
Natural Gas	1.268	1.242	1.246	1.265	1.299	1.328	1.364	1.396	1.429	1.465	1.484	1.496	1.520	1.533	1.542
Lease and Plant Fuel 6/	0.032	0.031	0.038	0.039	0.040	0.041	0.041	0.042	0.042	0.042	0.043	0.044	0.043	0.042	0.044
Pipeline Natural Gas	0.095	0.095	0.109	0.105	0.100	0.096	0.093	0.089	0.088	0.087	0.086	0.085	0.087	0.088	0.087
Natural Gas Subtotal	1.395	1.368	1.393	1.409	1.439	1.465	1.498	1.527	1.558	1.594	1.613	1.625	1.649	1.663	1.674
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	2.728	2.708	2.782	2.810	2.903	2.960	2.995	3.020	3.025	3.051	3.056	3.058	3.060	3.063	3.059
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.041	0.062	0.072	0.081	0.091	0.109
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	2.728	2.708	2.782	2.810	2.903	2.960	2.995	3.020	3.046	3.092	3.118	3.130	3.142	3.154	3.167
Nuclear Power	0.460	0.474	0.465	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Renewable Energy 16/	0.272	0.279	0.298	0.331	0.343	0.343	0.342	0.345	0.346	0.348	0.349	0.350	0.350	0.349	0.352
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	-0.010	0.009	0.019	0.013	0.008	0.014	0.017	0.018	0.019	0.019	0.018	0.018	0.019	0.017	0.015
Total	7.537	7.598	7.731	7.812	7.999	8.124	8.228	8.322	8.413	8.521	8.585	8.630	8.687	8.733	8.775
Energy Use and Related Statistics															
Delivered Energy Use	5.242	5.300	5.355	5.410	5.527	5.612	5.692	5.773	5.871	5.966	6.033	6.083	6.139	6.193	6.253
Total Energy Use	7.537	7.598	7.731	7.812	7.999	8.124	8.228	8.322	8.413	8.521	8.585	8.630	8.687	8.733	8.775
Population (millions)	19.626	19.728	19.835	19.942	20.047	20.150	20.254	20.356	20.457	20.556	20.653	20.747	20.838	20.927	21.011
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

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

West North Central	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.018	-0.8%
Kerosene	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	2.0%
Liquefied Petroleum Gas	0.108	0.108	0.108	0.107	0.107	0.107	0.108	0.107	0.107	0.107	0.107	0.107	0.107	0.0%
Petroleum Subtotal	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.128	0.129	0.128	0.128	0.128	0.128	-0.1%
Natural Gas	0.491	0.491	0.492	0.491	0.490	0.490	0.490	0.488	0.487	0.486	0.486	0.483	0.482	0.2%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.3%
Renewable Energy 1/ Electricity	0.407	0.412	0.418	0.421	0.426	0.430	0.435	0.438	0.442	0.447	0.452	0.455	0.460	1.4%
Delivered Energy	1.056	1.060	1.068	1.069	1.072	1.076	1.082	1.082	1.085	1.088	1.094	1.094	1.096	0.6%
Electricity Related Losses	0.904	0.903	0.911	0.914	0.921	0.932	0.948	0.947	0.951	0.969	0.988	1.004	1.019	0.8%
Total	1.960	1.963	1.979	1.983	1.993	2.008	2.029	2.028	2.036	2.057	2.082	2.098	2.115	0.7%
Commercial														
Distillate Fuel	0.030	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.3%
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	0.002	-2.1%
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.3%
Liquefied Petroleum Gas	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.015	0.016	0.016	0.1%
Motor Gasoline 2/ Petroleum Subtotal	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	0.2%
Petroleum Subtotal	0.057	0.057	0.057	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.059	0.059	0.1%
Natural Gas	0.334	0.336	0.339	0.342	0.345	0.348	0.351	0.354	0.357	0.359	0.362	0.366	0.368	1.0%
Coal	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	N/A
Renewable Energy 3/ Electricity	0.411	0.419	0.426	0.434	0.442	0.450	0.457	0.465	0.474	0.482	0.491	0.500	0.509	2.0%
Delivered Energy	0.819	0.829	0.839	0.850	0.862	0.873	0.884	0.894	0.906	0.917	0.929	0.941	0.953	1.4%
Electricity Related Losses	0.913	0.916	0.928	0.941	0.956	0.975	0.997	1.006	1.018	1.045	1.073	1.103	1.128	1.5%
Total	1.732	1.745	1.768	1.791	1.817	1.848	1.880	1.900	1.924	1.962	2.001	2.044	2.081	1.4%
Industrial 4/														
Distillate Fuel	0.155	0.155	0.154	0.153	0.152	0.151	0.151	0.151	0.152	0.152	0.152	0.153	0.153	-0.2%
Liquefied Petroleum Gas	0.112	0.111	0.111	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.109	0.109	0.109	-0.3%
Petrochemical Feedstocks	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.026	0.026	0.026	0.026	-0.3%
Residual Fuel	0.009	0.010	0.009	0.010	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.010	0.010	1.0%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.040	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.040	0.040	0.040	0.040	0.040	-0.2%
Petroleum Subtotal	0.268	0.270	0.272	0.271	0.274	0.271	0.275	0.277	0.281	0.283	0.284	0.288	0.293	0.6%
Natural Gas	0.612	0.613	0.612	0.611	0.613	0.609	0.613	0.614	0.618	0.620	0.620	0.626	0.631	0.1%
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.590	0.590	0.590	0.592	0.594	0.598	0.599	0.603	0.606	0.608	0.609	0.610	0.610	1.3%
Natural Gas Subtotal	0.045	0.046	0.047	0.047	0.048	0.048	0.048	0.049	0.049	0.049	0.049	0.050	0.050	1.9%
Metallurgical Coal	0.635	0.636	0.636	0.639	0.641	0.645	0.647	0.652	0.655	0.657	0.659	0.660	0.660	1.4%
Other Industrial Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal-to-Liquids Heat and Power	0.256	0.256	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.256	0.256	0.256	0.256	0.4%
Coal Subtotal	0.126	0.143	0.168	0.191	0.219	0.234	0.246	0.264	0.284	0.297	0.318	0.325	0.326	42.3%
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
Renewable Energy 7/ Electricity	0.382	0.399	0.424	0.447	0.474	0.489	0.501	0.519	0.539	0.552	0.574	0.581	0.582	3.6%
Delivered Energy	0.092	0.092	0.093	0.093	0.094	0.095	0.095	0.096	0.096	0.097	0.098	0.098	0.099	0.8%
Electricity Related Losses	2.030	2.050	2.075	2.100	2.133	2.148	2.167	2.192	2.221	2.240	2.265	2.281	2.289	1.2%
Total	0.687	0.678	0.675	0.672	0.671	0.673	0.677	0.673	0.671	0.680	0.687	0.696	0.700	0.0%
Total	2.717	2.729	2.750	2.773	2.803	2.821	2.845	2.864	2.892	2.919	2.952	2.977	2.989	0.9%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	0.644	0.651	0.659	0.667	0.676	0.686	0.696	0.706	0.717	0.729	0.740	0.752	0.765	1.6%
Jet Fuel 9/	0.175	0.176	0.176	0.176	0.176	0.176	0.176	0.175	0.175	0.176	0.176	0.177	0.178	1.0%
Motor Gasoline 2/	1.468	1.478	1.487	1.496	1.504	1.512	1.519	1.527	1.536	1.544	1.552	1.560	1.568	0.8%
Residual Fuel	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.3%
Liquefied Petroleum Gas	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	4.3%
Other Petroleum 10/	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	-0.1%
Petroleum Subtotal	2.307	2.325	2.342	2.359	2.376	2.394	2.412	2.430	2.449	2.470	2.490	2.511	2.532	1.0%
Pipeline Fuel Natural Gas	0.088	0.087	0.088	0.089	0.090	0.090	0.091	0.092	0.093	0.094	0.094	0.094	0.095	0.0%
Compressed Natural Gas	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.010	6.5%
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	6.0%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.5%
Delivered Energy	2.409	2.427	2.445	2.463	2.481	2.499	2.518	2.537	2.558	2.579	2.600	2.622	2.643	1.0%
Electricity Related Losses	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	-0.1%
Total	2.422	2.441	2.459	2.477	2.495	2.513	2.532	2.551	2.571	2.593	2.614	2.636	2.657	1.0%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.849	0.855	0.862	0.870	0.878	0.886	0.896	0.906	0.918	0.930	0.942	0.955	0.968	1.1%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	1.4%
Jet Fuel 9/	0.175	0.176	0.176	0.176	0.176	0.176	0.176	0.175	0.175	0.176	0.176	0.177	0.178	1.0%
Liquefied Petroleum Gas	0.241	0.241	0.241	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.239	0.239	0.239	-0.1%
Motor Gasoline 2/	1.516	1.526	1.535	1.544	1.551	1.560	1.567	1.575	1.584	1.593	1.601	1.609	1.616	0.8%
Petrochemical Feedstocks	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.026	0.026	0.026	0.026	-0.3%
Residual Fuel	0.013	0.014	0.013	0.013	0.014	0.014	0.014	0.013	0.013	0.013	0.013	0.014	0.014	0.1%
Other Petroleum 12/	0.280	0.282	0.284	0.284	0.287	0.283	0.287	0.290	0.293	0.295	0.296	0.300	0.305	0.6%
Petroleum Subtotal	3.105	3.125	3.141	3.157	3.176	3.189	3.211	3.230	3.254	3.276	3.296	3.323	3.350	0.8%
Natural Gas	1.422	1.424	1.429	1.433	1.438	1.444	1.449	1.453	1.458	1.462	1.467	1.468	1.470	0.8%
Lease and Plant Fuel 6/	0.045	0.046	0.047	0.047	0.048	0.048	0.048	0.049	0.049	0.049	0.049	0.050	0.050	1.9%
Pipeline Natural Gas	0.088	0.087	0.088	0.089	0.090	0.090	0.091	0.092	0.093	0.094	0.094	0.094	0.095	0.0%
Natural Gas Subtotal	1.556	1.558	1.563	1.569	1.575	1.582	1.588	1.594	1.600	1.605	1.610	1.613	1.615	0.8%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Other Coal	0.270	0.270	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.270	0.270	0.270	0.270	0.3%
Coal-to-Liquids Heat and Power	0.126	0.143	0.168	0.191	0.219	0.234	0.246	0.264	0.284	0.297	0.318	0.325	0.326	42.3%
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	0.396	0.413	0.438	0.460	0.488	0.503	0.515	0.533	0.553	0.566	0.588	0.595	0.596	3.4%
Renewable Energy 13/	0.123	0.123	0.124	0.125	0.125	0.126	0.126	0.127	0.127	0.128	0.129	0.129	0.130	0.7%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.134	1.147	1.161	1.172	1.183	1.196	1.210	1.221	1.235	1.249	1.264	1.277	1.291	1.4%
Delivered Energy	6.313	6.366	6.427	6.483	6.547	6.596	6.651	6.705	6.769	6.824	6.888	6.937	6.981	1.1%
Electricity Related Losses	2.518	2.511	2.528	2.541	2.561	2.594	2.635	2.639	2.654	2.707	2.762	2.817	2.861	0.8%
Total	8.831	8.877	8.955	9.023	9.108	9.190	9.286	9.344	9.423	9.531	9.650	9.754	9.841	1.0%
Electric Power 14/														
Distillate Fuel	0.013	0.014	0.011	0.011	0.011	0.014	0.016	0.016	0.016	0.016	0.017	0.017	0.017	-0.1%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-12.3%
Petroleum Subtotal	0.013	0.014	0.011	0.012	0.011	0.014	0.016	0.016	0.016	0.016	0.017	0.017	0.017	-1.0%
Natural Gas	0.128	0.128	0.133	0.133	0.132	0.131	0.132	0.130	0.132	0.131	0.129	0.127	0.124	2.8%
Steam Coal	2.795	2.802	2.830	2.853	2.884	2.929	2.982	2.994	3.023	3.091	3.162	3.235	3.296	1.1%
Nuclear Power	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.0%
Renewable Energy/Other 15/	0.230	0.233	0.233	0.233	0.235	0.232	0.234	0.237	0.236	0.236	0.236	0.233	0.234	1.2%
Electricity Imports	0.015	0.011	0.012	0.012	0.012	0.014	0.011	0.012	0.012	0.012	0.012	0.011	0.012	0.9%
Total	3.652	3.658	3.689	3.712	3.744	3.790	3.845	3.860	3.889	3.956	4.026	4.094	4.152	1.0%

Table 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

West North Central	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	0.862	0.869	0.873	0.881	0.889	0.900	0.912	0.922	0.934	0.947	0.959	0.972	0.984	1.1%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	1.4%
Jet Fuel 9/	0.175	0.176	0.176	0.176	0.176	0.176	0.176	0.175	0.175	0.176	0.176	0.177	0.178	1.0%
Liquefied Petroleum Gas	0.241	0.241	0.241	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.239	0.239	0.239	-0.1%
Motor Gasoline 2/	1.516	1.526	1.535	1.544	1.551	1.560	1.567	1.575	1.584	1.593	1.601	1.609	1.616	0.8%
Petrochemical Feedstocks	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.026	0.026	0.026	-0.3%
Residual Fuel	0.013	0.014	0.013	0.014	0.014	0.014	0.014	0.013	0.013	0.013	0.013	0.014	0.014	-1.0%
Other Petroleum 12/	0.280	0.282	0.284	0.284	0.287	0.283	0.287	0.290	0.293	0.295	0.296	0.300	0.305	0.6%
Petroleum Subtotal	3.118	3.139	3.152	3.168	3.188	3.203	3.227	3.246	3.270	3.293	3.313	3.340	3.367	0.8%
Natural Gas	1.551	1.552	1.561	1.566	1.569	1.575	1.581	1.584	1.591	1.593	1.597	1.596	1.594	1.0%
Lease and Plant Fuel 6/	0.045	0.046	0.047	0.047	0.048	0.048	0.048	0.049	0.049	0.049	0.049	0.050	0.050	1.9%
Pipeline Natural Gas	0.088	0.087	0.088	0.089	0.090	0.090	0.091	0.092	0.093	0.094	0.094	0.094	0.095	0.0%
Natural Gas Subtotal	1.684	1.686	1.696	1.702	1.707	1.713	1.720	1.724	1.732	1.736	1.740	1.740	1.739	0.9%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Other Coal	3.065	3.072	3.100	3.122	3.153	3.198	3.251	3.263	3.292	3.361	3.432	3.505	3.566	1.1%
Coal-to-Liquids Heat and Power	0.126	0.143	0.168	0.191	0.219	0.234	0.246	0.264	0.284	0.297	0.318	0.325	0.326	42.3%
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	3.191	3.216	3.268	3.314	3.372	3.432	3.497	3.527	3.576	3.657	3.750	3.830	3.891	1.4%
Nuclear Power	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.0%
Renewable Energy 16/	0.353	0.356	0.357	0.357	0.360	0.358	0.360	0.364	0.363	0.364	0.364	0.362	0.363	1.0%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports	0.015	0.011	0.012	0.012	0.012	0.014	0.011	0.012	0.012	0.012	0.012	0.011	0.012	0.9%
Total	8.831	8.877	8.955	9.023	9.108	9.190	9.286	9.344	9.423	9.531	9.650	9.754	9.841	1.0%
Energy Use and Related Statistics														
Delivered Energy Use	6.313	6.366	6.427	6.483	6.547	6.596	6.651	6.705	6.769	6.824	6.888	6.937	6.981	1.1%
Total Energy Use	8.831	8.877	8.955	9.023	9.108	9.190	9.286	9.344	9.423	9.531	9.650	9.754	9.841	1.0%
Population (millions)	21.092	21.169	21.242	21.312	21.379	21.442	21.504	21.563	21.621	21.677	21.734	21.790	21.845	0.4%
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 4. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)
West North Central

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.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Consumption															
Residential															
Distillate Fuel	0.086	0.088	0.091	0.081	0.078	0.077	0.076	0.075	0.074	0.073	0.072	0.070	0.068	0.067	0.064
Kerosene	0.025	0.029	0.029	0.031	0.030	0.030	0.029	0.029	0.029	0.028	0.028	0.027	0.027	0.026	0.026
Liquefied Petroleum Gas	0.086	0.089	0.089	0.087	0.088	0.090	0.091	0.093	0.095	0.096	0.098	0.099	0.101	0.103	0.104
Petroleum Subtotal	0.197	0.206	0.208	0.199	0.195	0.196	0.197	0.197	0.197	0.198	0.197	0.197	0.196	0.195	0.194
Natural Gas	0.490	0.475	0.493	0.502	0.512	0.526	0.537	0.549	0.562	0.575	0.584	0.594	0.606	0.619	0.628
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Renewable Energy 1/ Electricity	0.060	0.060	0.064	0.066	0.065	0.065	0.064	0.063	0.063	0.063	0.063	0.062	0.062	0.063	0.062
Delivered Energy	1.091	1.124	1.165	1.183	1.208	1.242	1.270	1.300	1.328	1.359	1.383	1.410	1.439	1.470	1.494
Electricity Related Losses	1.840	1.866	1.931	1.951	1.982	2.031	2.069	2.111	2.151	2.196	2.227	2.265	2.305	2.348	2.379
Total	2.136	2.133	2.200	2.214	2.195	2.227	2.266	2.307	2.285	2.323	2.323	2.342	2.380	2.428	2.475
Total	3.976	3.999	4.131	4.165	4.177	4.258	4.335	4.418	4.436	4.518	4.550	4.607	4.684	4.775	4.853
Commercial															
Distillate Fuel	0.083	0.088	0.092	0.082	0.082	0.083	0.085	0.086	0.087	0.088	0.089	0.090	0.091	0.091	0.092
Residual Fuel	0.009	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Kerosene	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Liquefied Petroleum Gas	0.013	0.014	0.013	0.013	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.016
Motor Gasoline 2/ Petroleum Subtotal	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Natural Gas	0.117	0.124	0.127	0.117	0.120	0.119	0.121	0.123	0.124	0.125	0.127	0.128	0.129	0.129	0.131
Coal	0.373	0.348	0.355	0.348	0.355	0.365	0.374	0.383	0.395	0.406	0.416	0.426	0.436	0.447	0.456
Renewable Energy 3/ Electricity	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Delivered Energy	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Electricity Related Losses	0.901	0.932	0.966	0.984	1.018	1.055	1.089	1.122	1.156	1.190	1.223	1.255	1.289	1.323	1.358
Total	1.420	1.434	1.477	1.478	1.522	1.568	1.614	1.657	1.704	1.751	1.795	1.838	1.883	1.928	1.974
Electricity Related Losses	1.764	1.768	1.823	1.842	1.850	1.892	1.944	1.991	1.989	2.034	2.054	2.085	2.130	2.186	2.250
Total	3.183	3.202	3.300	3.320	3.372	3.460	3.558	3.648	3.693	3.784	3.849	3.923	4.014	4.114	4.225
Industrial 4/															
Distillate Fuel	0.169	0.178	0.189	0.184	0.182	0.181	0.180	0.181	0.180	0.181	0.181	0.182	0.183	0.185	0.186
Liquefied Petroleum Gas	0.055	0.057	0.056	0.057	0.057	0.057	0.056	0.056	0.057	0.057	0.057	0.057	0.057	0.058	0.058
Petrochemical Feedstocks	0.154	0.169	0.165	0.168	0.169	0.169	0.168	0.168	0.168	0.169	0.170	0.170	0.170	0.171	0.172
Residual Fuel	0.098	0.109	0.120	0.082	0.080	0.078	0.077	0.079	0.075	0.075	0.078	0.076	0.075	0.075	0.076
Motor Gasoline 2/ Petroleum Subtotal	0.057	0.058	0.058	0.058	0.058	0.058	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
Other Petroleum 5/ Petroleum Subtotal	0.335	0.347	0.334	0.337	0.340	0.344	0.343	0.346	0.344	0.345	0.347	0.347	0.351	0.352	0.356
Natural Gas	0.868	0.918	0.922	0.885	0.887	0.888	0.883	0.889	0.883	0.886	0.892	0.891	0.896	0.900	0.907
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.571	0.600	0.568	0.590	0.606	0.614	0.624	0.626	0.635	0.640	0.643	0.649	0.654	0.662	0.667
Metallurgical Coal	0.010	0.010	0.014	0.014	0.015	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.018
Other Industrial Coal	0.581	0.609	0.582	0.604	0.620	0.629	0.640	0.642	0.652	0.657	0.660	0.667	0.672	0.680	0.685
Coal-to-Liquids Heat and Power	0.075	0.075	0.078	0.076	0.077	0.077	0.077	0.077	0.078	0.079	0.079	0.080	0.081	0.082	0.083
Net Coal Coke Imports	0.274	0.285	0.283	0.285	0.288	0.288	0.288	0.288	0.289	0.289	0.289	0.288	0.289	0.289	0.289
Coal Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Renewable Energy 7/ Electricity	-0.032	-0.074	-0.047	-0.012	-0.012	-0.011	-0.011	-0.011	-0.011	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
Delivered Energy	0.317	0.286	0.314	0.349	0.353	0.353	0.354	0.355	0.356	0.357	0.357	0.358	0.359	0.361	0.362
Electricity Related Losses	0.437	0.458	0.448	0.456	0.466	0.473	0.480	0.486	0.492	0.497	0.502	0.507	0.512	0.517	0.524
Total	0.569	0.581	0.585	0.588	0.591	0.593	0.594	0.599	0.606	0.612	0.616	0.622	0.628	0.634	0.642
Electricity Related Losses	2.771	2.852	2.850	2.883	2.917	2.936	2.950	2.970	2.988	3.009	3.028	3.044	3.068	3.092	3.121
Electricity Related Losses	1.113	1.101	1.105	1.102	1.074	1.064	1.061	1.062	1.042	1.046	1.035	1.032	1.037	1.048	1.064
Total	3.884	3.954	3.955	3.985	3.992	4.001	4.011	4.032	4.030	4.055	4.064	4.076	4.105	4.140	4.184

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

South Atlantic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	0.994	1.038	1.052	1.087	1.126	1.160	1.196	1.233	1.268	1.300	1.329	1.356	1.384	1.414	1.446
Jet Fuel 9/	0.333	0.343	0.343	0.353	0.366	0.375	0.386	0.400	0.413	0.421	0.428	0.435	0.442	0.449	0.458
Motor Gasoline 2/	3.341	3.403	3.414	3.453	3.547	3.631	3.719	3.807	3.882	3.951	4.018	4.088	4.161	4.229	4.305
Residual Fuel	0.077	0.082	0.089	0.090	0.089	0.088	0.087	0.086	0.087	0.087	0.088	0.088	0.089	0.090	0.090
Liquefied Petroleum Gas	0.004	0.005	0.008	0.008	0.009	0.010	0.010	0.011	0.012	0.013	0.013	0.014	0.014	0.015	0.015
Other Petroleum 10/	0.028	0.031	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.033	0.033	0.033	0.033	0.034	0.034
Petroleum Subtotal	4.778	4.902	4.937	5.022	5.167	5.295	5.431	5.569	5.694	5.804	5.909	6.015	6.124	6.231	6.348
Pipeline Fuel Natural Gas	0.056	0.056	0.071	0.069	0.068	0.068	0.067	0.066	0.069	0.070	0.072	0.074	0.076	0.077	0.078
Compressed Natural Gas	0.004	0.004	0.005	0.006	0.007	0.007	0.008	0.009	0.010	0.011	0.011	0.012	0.013	0.013	0.014
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.019
Delivered Energy	4.853	4.978	5.030	5.113	5.259	5.388	5.523	5.663	5.790	5.904	6.011	6.121	6.232	6.341	6.460
Electricity Related Losses	0.031	0.030	0.030	0.030	0.030	0.030	0.030	0.031	0.030	0.031	0.031	0.031	0.031	0.031	0.032
Total	4.884	5.009	5.060	5.144	5.289	5.418	5.554	5.694	5.821	5.934	6.042	6.151	6.263	6.372	6.492
Delivered Energy Consumption, All Sectors															
Distillate Fuel	1.333	1.393	1.424	1.434	1.467	1.501	1.538	1.575	1.610	1.642	1.671	1.699	1.727	1.757	1.789
Kerosene	0.031	0.037	0.036	0.040	0.038	0.038	0.037	0.037	0.037	0.036	0.036	0.036	0.035	0.035	0.034
Jet Fuel 9/	0.333	0.343	0.343	0.353	0.366	0.375	0.386	0.400	0.413	0.421	0.428	0.435	0.442	0.449	0.458
Liquefied Petroleum Gas	0.158	0.165	0.166	0.165	0.170	0.171	0.173	0.176	0.178	0.181	0.184	0.186	0.188	0.190	0.193
Motor Gasoline 2/	3.405	3.468	3.479	3.518	3.612	3.696	3.785	3.873	3.948	4.017	4.084	4.154	4.228	4.295	4.371
Petrochemical Feedstocks	0.154	0.169	0.165	0.168	0.169	0.168	0.168	0.168	0.168	0.169	0.170	0.170	0.170	0.171	0.172
Residual Fuel	0.183	0.201	0.219	0.180	0.178	0.174	0.172	0.174	0.170	0.171	0.175	0.173	0.173	0.174	0.175
Other Petroleum 12/	0.361	0.376	0.362	0.365	0.369	0.374	0.373	0.376	0.374	0.376	0.378	0.378	0.382	0.384	0.387
Petroleum Subtotal	5.959	6.150	6.194	6.224	6.370	6.498	6.631	6.779	6.898	7.013	7.125	7.231	7.345	7.455	7.580
Natural Gas	1.438	1.427	1.422	1.445	1.479	1.512	1.543	1.567	1.601	1.632	1.653	1.681	1.709	1.740	1.765
Lease and Plant Fuel 6/	0.010	0.010	0.014	0.014	0.015	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.018
Pipeline Natural Gas	0.056	0.056	0.071	0.069	0.068	0.068	0.067	0.066	0.069	0.070	0.072	0.074	0.076	0.077	0.078
Natural Gas Subtotal	1.504	1.492	1.506	1.528	1.562	1.596	1.626	1.650	1.686	1.719	1.743	1.773	1.802	1.835	1.861
Metallurgical Coal	0.075	0.075	0.078	0.076	0.077	0.077	0.077	0.077	0.078	0.079	0.079	0.080	0.081	0.082	0.083
Other Coal	0.285	0.296	0.294	0.297	0.300	0.300	0.300	0.300	0.301	0.301	0.300	0.300	0.300	0.301	0.301
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	-0.032	-0.074	-0.047	-0.012	-0.012	-0.011	-0.011	-0.011	-0.011	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
Coal Subtotal	0.329	0.298	0.325	0.361	0.365	0.365	0.366	0.366	0.368	0.369	0.369	0.370	0.371	0.372	0.374
Renewable Energy 13/	0.516	0.537	0.531	0.541	0.550	0.557	0.563	0.568	0.574	0.580	0.584	0.589	0.594	0.600	0.606
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	2.577	2.653	2.731	2.771	2.833	2.907	2.971	3.038	3.107	3.179	3.240	3.306	3.374	3.446	3.513
Delivered Energy	10.884	11.130	11.287	11.425	11.680	11.923	12.156	12.401	12.634	12.859	13.062	13.268	13.488	13.709	13.934
Electricity Related Losses	5.043	5.033	5.158	5.188	5.149	5.214	5.302	5.391	5.346	5.432	5.443	5.490	5.578	5.692	5.821
Total	15.927	16.163	16.445	16.614	16.830	17.136	17.458	17.792	17.980	18.292	18.505	18.758	19.066	19.401	19.755
Electric Power 14/															
Distillate Fuel	0.075	0.051	0.081	0.054	0.057	0.060	0.068	0.076	0.074	0.076	0.077	0.076	0.074	0.073	0.072
Residual Fuel	0.426	0.439	0.428	0.430	0.265	0.256	0.260	0.266	0.260	0.267	0.272	0.270	0.270	0.269	0.271
Petroleum Subtotal	0.501	0.490	0.509	0.484	0.322	0.316	0.328	0.342	0.335	0.343	0.349	0.346	0.343	0.342	0.343
Natural Gas	0.677	0.777	0.613	0.589	0.656	0.692	0.693	0.754	0.776	0.815	0.873	0.922	0.962	1.016	1.070
Steam Coal	4.182	4.086	4.469	4.524	4.582	4.678	4.796	4.784	4.818	4.986	4.976	4.964	4.950	4.920	4.931
Nuclear Power	2.028	2.097	2.054	2.086	2.087	2.090	2.093	2.094	2.094	2.095	2.096	2.163	2.277	2.401	2.537
Renewable Energy/Other 15/	0.232	0.236	0.244	0.276	0.336	0.345	0.362	0.454	0.431	0.374	0.390	0.400	0.420	0.459	0.452
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	7.619	7.686	7.889	7.959	7.983	8.120	8.272	8.428	8.453	8.611	8.684	8.795	8.953	9.138	9.334

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	1.408	1.444	1.505	1.488	1.524	1.561	1.606	1.651	1.684	1.717	1.748	1.775	1.801	1.830	1.861
Kerosene	0.031	0.037	0.036	0.040	0.038	0.038	0.037	0.037	0.037	0.036	0.036	0.036	0.035	0.035	0.034
Jet Fuel 9/	0.333	0.343	0.343	0.353	0.366	0.375	0.386	0.400	0.413	0.421	0.428	0.435	0.442	0.449	0.458
Liquefied Petroleum Gas	0.158	0.165	0.166	0.165	0.170	0.171	0.173	0.176	0.178	0.181	0.184	0.186	0.188	0.190	0.193
Motor Gasoline 2/	3.405	3.468	3.479	3.518	3.612	3.696	3.785	3.873	3.948	4.017	4.084	4.154	4.228	4.295	4.371
Petrochemical Feedstocks	0.154	0.169	0.165	0.168	0.169	0.169	0.168	0.168	0.168	0.169	0.170	0.170	0.170	0.171	0.172
Residual Fuel	0.609	0.640	0.647	0.610	0.443	0.430	0.432	0.441	0.431	0.438	0.447	0.442	0.443	0.443	0.447
Other Petroleum 12/	0.361	0.376	0.362	0.365	0.369	0.374	0.373	0.376	0.374	0.376	0.378	0.378	0.382	0.384	0.387
Petroleum Subtotal	6.460	6.640	6.703	6.708	6.691	6.814	6.959	7.121	7.232	7.356	7.474	7.576	7.689	7.797	7.923
Natural Gas	2.115	2.203	2.035	2.034	2.135	2.204	2.236	2.321	2.377	2.446	2.526	2.604	2.672	2.756	2.834
Lease and Plant Fuel 6/	0.010	0.010	0.014	0.014	0.015	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.018
Pipeline Natural Gas	0.056	0.056	0.071	0.069	0.068	0.068	0.067	0.066	0.069	0.070	0.072	0.074	0.076	0.077	0.078
Natural Gas Subtotal	2.181	2.269	2.119	2.117	2.218	2.287	2.319	2.404	2.462	2.533	2.616	2.695	2.765	2.852	2.931
Metallurgical Coal	0.075	0.075	0.078	0.076	0.077	0.077	0.077	0.077	0.078	0.079	0.079	0.080	0.081	0.082	0.083
Other Coal	4.467	4.382	4.763	4.821	4.882	4.978	5.096	5.084	5.118	5.286	5.276	5.264	5.251	5.220	5.232
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	-0.032	-0.074	-0.047	-0.012	-0.012	-0.011	-0.011	-0.011	-0.011	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
Coal Subtotal	4.510	4.384	4.794	4.885	4.947	5.043	5.162	5.150	5.186	5.354	5.345	5.334	5.321	5.292	5.306
Nuclear Power	2.028	2.097	2.054	2.086	2.087	2.090	2.093	2.094	2.094	2.095	2.096	2.163	2.277	2.401	2.537
Renewable Energy 16/	0.748	0.773	0.774	0.818	0.886	0.902	0.925	1.022	1.006	0.954	0.974	0.989	1.014	1.059	1.058
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	15.927	16.163	16.445	16.614	16.830	17.136	17.458	17.792	17.980	18.292	18.505	18.758	19.066	19.401	19.755
Energy Use and Related Statistics															
Delivered Energy Use	10.884	11.130	11.287	11.425	11.680	11.923	12.156	12.401	12.634	12.859	13.062	13.268	13.488	13.709	13.934
Total Energy Use	15.927	16.163	16.445	16.614	16.830	17.136	17.458	17.792	17.980	18.292	18.505	18.758	19.066	19.401	19.755
Population (millions)	54.422	55.266	56.059	56.858	57.660	58.465	59.282	60.107	60.938	61.779	62.628	63.484	64.348	65.220	66.099
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

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.062	0.060	0.058	0.056	0.054	0.051	0.049	0.047	0.044	0.042	0.040	0.038	0.036	-3.4%
Kerosene	0.025	0.024	0.024	0.023	0.022	0.022	0.021	0.020	0.020	0.019	0.018	0.018	0.017	-1.9%
Liquefied Petroleum Gas	0.105	0.106	0.108	0.109	0.110	0.111	0.112	0.113	0.115	0.116	0.118	0.119	0.120	1.2%
Petroleum Subtotal	0.192	0.191	0.190	0.188	0.186	0.184	0.183	0.180	0.179	0.177	0.176	0.174	0.173	-0.7%
Natural Gas	0.638	0.648	0.660	0.668	0.678	0.687	0.698	0.706	0.715	0.724	0.735	0.742	0.750	1.8%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.7%
Renewable Energy 1/ Electricity	0.062	0.062	0.063	0.062	0.062	0.062	0.063	0.062	0.062	0.062	0.062	0.062	0.062	0.1%
Delivered Energy	1.521	1.549	1.580	1.601	1.626	1.652	1.682	1.705	1.733	1.761	1.794	1.818	1.847	1.9%
Electricity Related Losses	2.415	2.451	2.493	2.520	2.553	2.587	2.627	2.655	2.690	2.726	2.768	2.797	2.833	1.6%
Total	2.509	2.507	2.487	2.469	2.450	2.432	2.410	2.373	2.360	2.328	2.293	2.246	2.216	0.1%
Total	4.924	4.958	4.981	4.989	5.003	5.019	5.037	5.028	5.050	5.053	5.061	5.043	5.049	0.9%
Commercial														
Distillate Fuel	0.093	0.094	0.094	0.095	0.096	0.097	0.097	0.098	0.099	0.099	0.100	0.101	0.102	0.6%
Residual Fuel	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	-0.2%
Kerosene	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	0.6%
Liquefied Petroleum Gas	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.7%
Motor Gasoline 2/ Petroleum Subtotal	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.5%
Natural Gas	0.131	0.132	0.133	0.134	0.135	0.136	0.137	0.137	0.138	0.139	0.140	0.141	0.142	0.5%
Coal	0.465	0.474	0.483	0.492	0.502	0.511	0.520	0.529	0.539	0.549	0.559	0.570	0.581	2.0%
Coal	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	N/A
Renewable Energy 3/ Electricity	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.0%
Delivered Energy	1.393	1.429	1.466	1.504	1.543	1.583	1.625	1.666	1.710	1.754	1.801	1.850	1.894	2.8%
Electricity Related Losses	2.019	2.065	2.112	2.160	2.209	2.260	2.311	2.363	2.417	2.472	2.530	2.591	2.646	2.4%
Total	2.298	2.313	2.308	2.319	2.324	2.331	2.327	2.320	2.329	2.319	2.302	2.285	2.272	1.0%
Total	4.318	4.378	4.420	4.479	4.533	4.591	4.638	4.682	4.747	4.791	4.833	4.875	4.918	1.7%
Industrial 4/														
Distillate Fuel	0.187	0.188	0.189	0.190	0.191	0.192	0.193	0.196	0.198	0.201	0.202	0.204	0.207	0.6%
Liquefied Petroleum Gas	0.059	0.059	0.059	0.060	0.060	0.061	0.061	0.062	0.063	0.063	0.064	0.064	0.065	0.5%
Petrochemical Feedstocks	0.174	0.176	0.176	0.177	0.178	0.179	0.181	0.182	0.183	0.185	0.186	0.187	0.189	0.4%
Residual Fuel	0.079	0.080	0.079	0.081	0.082	0.084	0.083	0.086	0.088	0.089	0.090	0.091	0.092	-0.7%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.059	0.059	0.060	0.060	0.060	0.061	0.061	0.062	0.062	0.063	0.063	0.063	0.064	0.4%
Natural Gas	0.359	0.363	0.366	0.367	0.377	0.380	0.382	0.386	0.392	0.397	0.401	0.405	0.410	0.6%
Coal	0.917	0.925	0.929	0.935	0.949	0.956	0.962	0.973	0.986	0.997	1.005	1.016	1.026	0.4%
Natural Gas	0.671	0.674	0.679	0.682	0.686	0.692	0.699	0.705	0.712	0.719	0.726	0.733	0.740	0.8%
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.021	3.0%
Metallurgical Coal	0.689	0.693	0.698	0.701	0.706	0.712	0.719	0.725	0.732	0.740	0.747	0.754	0.761	0.9%
Other Industrial Coal	0.084	0.085	0.085	0.086	0.087	0.088	0.090	0.091	0.093	0.094	0.096	0.097	0.099	1.0%
Coal-to-Liquids Heat and Power	0.290	0.290	0.290	0.290	0.290	0.290	0.291	0.291	0.292	0.293	0.293	0.294	0.294	0.1%
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	-0.009	-0.009	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.007	-0.007	-8.5%
Renewable Energy 7/ Electricity	0.364	0.365	0.366	0.367	0.369	0.370	0.372	0.374	0.377	0.379	0.381	0.384	0.386	1.2%
Delivered Energy	0.531	0.537	0.543	0.549	0.555	0.562	0.569	0.576	0.584	0.592	0.600	0.608	0.617	1.2%
Electricity Related Losses	0.650	0.656	0.662	0.669	0.676	0.684	0.692	0.702	0.714	0.725	0.736	0.747	0.758	1.0%
Total	3.151	3.177	3.198	3.221	3.254	3.284	3.314	3.351	3.393	3.433	3.470	3.509	3.548	0.8%
Electricity Related Losses	1.072	1.062	1.043	1.031	1.018	1.006	0.992	0.978	0.972	0.958	0.940	0.923	0.910	-0.7%
Total	4.224	4.239	4.241	4.253	4.272	4.291	4.306	4.328	4.365	4.391	4.410	4.432	4.458	0.5%

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

South Atlantic	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	1.479	1.510	1.544	1.580	1.618	1.658	1.701	1.744	1.791	1.841	1.891	1.943	1.997	2.5%
Jet Fuel 9/	0.465	0.472	0.475	0.479	0.482	0.486	0.489	0.493	0.497	0.501	0.506	0.512	0.519	1.6%
Motor Gasoline 2/	4.382	4.456	4.526	4.597	4.667	4.739	4.812	4.888	4.966	5.045	5.124	5.204	5.283	1.7%
Residual Fuel	0.091	0.091	0.092	0.093	0.093	0.094	0.094	0.095	0.095	0.096	0.096	0.097	0.098	0.7%
Liquefied Petroleum Gas	0.016	0.017	0.017	0.018	0.019	0.019	0.020	0.020	0.021	0.021	0.022	0.022	0.022	5.7%
Other Petroleum 10/	0.034	0.034	0.035	0.035	0.035	0.036	0.036	0.036	0.037	0.037	0.037	0.038	0.038	0.8%
Petroleum Subtotal	6.467	6.580	6.689	6.801	6.914	7.032	7.152	7.276	7.407	7.541	7.676	7.816	7.958	1.9%
Pipeline Fuel Natural Gas	0.079	0.080	0.080	0.080	0.079	0.079	0.078	0.077	0.077	0.076	0.075	0.074	0.074	1.1%
Compressed Natural Gas	0.014	0.015	0.015	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.019	0.019	0.020	5.9%
Renewable Energy (E85) 11/	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	7.0%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	N/A
Electricity	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.022	0.023	0.023	0.023	1.4%
Delivered Energy	6.581	6.696	6.806	6.918	7.031	7.149	7.270	7.394	7.525	7.659	7.795	7.934	8.077	1.9%
Electricity Related Losses	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.030	0.030	0.029	0.029	0.028	0.028	-0.3%
Total	6.614	6.728	6.838	6.950	7.063	7.180	7.300	7.424	7.555	7.689	7.823	7.963	8.104	1.9%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.821	1.853	1.886	1.921	1.959	1.998	2.040	2.084	2.133	2.183	2.233	2.286	2.342	2.0%
Kerosene	0.034	0.033	0.032	0.032	0.031	0.030	0.030	0.029	0.028	0.028	0.027	0.027	0.026	-1.3%
Jet Fuel 9/	0.465	0.472	0.475	0.479	0.482	0.486	0.489	0.493	0.497	0.501	0.506	0.512	0.519	1.6%
Liquefied Petroleum Gas	0.195	0.197	0.200	0.202	0.205	0.207	0.210	0.212	0.214	0.217	0.219	0.221	0.223	1.2%
Motor Gasoline 2/	4.449	4.523	4.594	4.664	4.735	4.808	4.881	4.957	5.036	5.115	5.195	5.275	5.355	1.7%
Petrochemical Feedstocks	0.174	0.176	0.176	0.177	0.178	0.179	0.181	0.182	0.183	0.185	0.186	0.187	0.189	0.4%
Residual Fuel	0.179	0.181	0.180	0.183	0.185	0.187	0.187	0.190	0.192	0.194	0.196	0.197	0.198	0.0%
Other Petroleum 12/	0.391	0.395	0.398	0.400	0.410	0.413	0.416	0.420	0.427	0.432	0.436	0.441	0.446	0.7%
Petroleum Subtotal	7.708	7.828	7.941	8.058	8.184	8.308	8.433	8.567	8.710	8.854	8.998	9.147	9.299	1.6%
Natural Gas	1.788	1.811	1.838	1.858	1.882	1.907	1.935	1.958	1.984	2.011	2.039	2.064	2.090	1.5%
Lease and Plant Fuel 6/	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.021	3.0%
Pipeline Natural Gas	0.079	0.080	0.080	0.080	0.079	0.079	0.078	0.077	0.077	0.076	0.075	0.074	0.074	1.1%
Natural Gas Subtotal	1.886	1.910	1.936	1.957	1.980	2.006	2.033	2.055	2.081	2.107	2.136	2.159	2.185	1.5%
Metallurgical Coal	0.084	0.085	0.085	0.086	0.087	0.088	0.090	0.091	0.093	0.094	0.096	0.097	0.099	1.0%
Other Coal	0.301	0.301	0.301	0.302	0.302	0.302	0.303	0.303	0.304	0.304	0.305	0.305	0.306	0.1%
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Net Coal Coke Imports	-0.009	-0.009	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.007	-0.007	-8.5%
Coal Subtotal	0.376	0.377	0.378	0.379	0.380	0.382	0.384	0.386	0.388	0.391	0.393	0.395	0.397	1.1%
Renewable Energy 13/	0.613	0.619	0.625	0.631	0.638	0.644	0.651	0.659	0.666	0.675	0.683	0.690	0.699	1.0%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	N/A
Electricity	3.584	3.654	3.728	3.794	3.866	3.940	4.020	4.095	4.179	4.263	4.354	4.438	4.522	2.1%
Delivered Energy	14.167	14.388	14.609	14.820	15.048	15.280	15.522	15.762	16.026	16.290	16.563	16.831	17.103	1.7%
Electricity Related Losses	5.911	5.914	5.870	5.850	5.823	5.801	5.759	5.701	5.691	5.634	5.564	5.482	5.426	0.3%
Total	20.079	20.303	20.479	20.670	20.872	21.082	21.281	21.463	21.717	21.924	22.127	22.313	22.530	1.3%
Electric Power 14/														
Distillate Fuel	0.072	0.071	0.070	0.072	0.072	0.072	0.072	0.072	0.072	0.073	0.072	0.071	0.070	1.2%
Residual Fuel	0.275	0.278	0.276	0.277	0.281	0.283	0.281	0.285	0.291	0.289	0.290	0.292	0.291	-1.6%
Petroleum Subtotal	0.347	0.349	0.346	0.349	0.354	0.355	0.354	0.357	0.363	0.361	0.362	0.362	0.361	-1.2%
Natural Gas	1.121	1.148	1.152	1.144	1.122	1.111	1.095	1.100	1.088	1.056	1.024	0.979	0.960	0.8%
Steam Coal	4.982	4.998	5.022	5.082	5.138	5.200	5.234	5.241	5.310	5.389	5.441	5.492	5.518	1.2%
Nuclear Power	2.631	2.654	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	0.9%
Renewable Energy/Other 15/	0.415	0.419	0.420	0.411	0.418	0.417	0.438	0.439	0.450	0.432	0.432	0.428	0.452	2.5%
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Total	9.496	9.568	9.598	9.644	9.689	9.741	9.779	9.796	9.870	9.897	9.917	9.920	9.948	1.0%

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

South Atlantic	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	1.893	1.924	1.956	1.993	2.031	2.070	2.113	2.157	2.205	2.256	2.305	2.357	2.411	2.0%
Kerosene	0.034	0.033	0.032	0.032	0.031	0.030	0.030	0.029	0.028	0.028	0.027	0.027	0.026	-1.3%
Jet Fuel 9/	0.465	0.472	0.475	0.479	0.482	0.486	0.489	0.493	0.497	0.501	0.506	0.512	0.519	1.6%
Liquefied Petroleum Gas	0.195	0.197	0.200	0.202	0.205	0.207	0.210	0.212	0.214	0.217	0.219	0.221	0.223	1.2%
Motor Gasoline 2/	4.449	4.523	4.594	4.664	4.735	4.808	4.881	4.957	5.036	5.115	5.195	5.275	5.355	1.7%
Petrochemical Feedstocks	0.174	0.176	0.176	0.177	0.178	0.179	0.181	0.182	0.183	0.185	0.186	0.187	0.189	0.4%
Residual Fuel	0.454	0.459	0.456	0.460	0.466	0.469	0.468	0.474	0.483	0.482	0.486	0.489	0.490	-1.0%
Other Petroleum 12/	0.391	0.395	0.398	0.400	0.410	0.413	0.416	0.420	0.427	0.432	0.436	0.441	0.446	0.7%
Petroleum Subtotal	8.055	8.177	8.287	8.407	8.537	8.663	8.787	8.923	9.074	9.215	9.360	9.510	9.660	1.5%
Natural Gas	2.909	2.959	2.990	3.002	3.004	3.019	3.031	3.059	3.073	3.068	3.065	3.044	3.051	1.3%
Lease and Plant Fuel 6/	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.021	3.0%
Pipeline Natural Gas	0.079	0.080	0.080	0.080	0.079	0.079	0.078	0.077	0.077	0.076	0.075	0.074	0.074	1.1%
Natural Gas Subtotal	3.007	3.058	3.089	3.101	3.103	3.117	3.129	3.157	3.170	3.164	3.161	3.139	3.146	1.3%
Metallurgical Coal	0.084	0.085	0.085	0.086	0.087	0.088	0.090	0.091	0.093	0.094	0.096	0.097	0.099	1.0%
Other Coal	5.283	5.299	5.323	5.384	5.439	5.502	5.537	5.544	5.614	5.693	5.746	5.798	5.824	1.1%
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Net Coal Coke Imports	-0.009	-0.009	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.007	-0.007	-8.5%
Coal Subtotal	5.357	5.375	5.400	5.461	5.518	5.582	5.618	5.627	5.699	5.780	5.834	5.888	5.915	1.2%
Nuclear Power	2.631	2.654	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	2.658	0.9%
Renewable Energy 16/	1.028	1.038	1.045	1.042	1.056	1.061	1.089	1.098	1.117	1.107	1.115	1.118	1.151	1.5%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	N/A
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Total	20.079	20.303	20.479	20.670	20.872	21.082	21.281	21.463	21.717	21.924	22.127	22.313	22.530	1.3%
Energy Use and Related Statistics														
Delivered Energy Use	14.167	14.388	14.609	14.820	15.048	15.280	15.522	15.762	16.026	16.290	16.563	16.831	17.103	1.7%
Total Energy Use	20.079	20.303	20.479	20.670	20.872	21.082	21.281	21.463	21.717	21.924	22.127	22.313	22.530	1.3%
Population (millions)	66.986	67.881	68.785	69.700	70.628	71.569	72.524	73.491	74.469	75.455	76.451	77.458	78.475	1.4%
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 5. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)
South 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.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Consumption															
Residential															
Distillate Fuel	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Kerosene	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Liquefied Petroleum Gas	0.044	0.043	0.042	0.043	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
Petroleum Subtotal	0.050	0.051	0.050	0.050	0.049	0.049	0.049	0.050	0.050	0.050	0.049	0.049	0.049	0.049	0.049
Natural Gas	0.216	0.204	0.207	0.214	0.215	0.217	0.218	0.220	0.221	0.223	0.222	0.223	0.223	0.224	0.224
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Renewable Energy 1/ Electricity	0.025	0.025	0.026	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.028	0.029	0.029	0.029
Delivered Energy	0.369	0.373	0.387	0.388	0.391	0.397	0.402	0.407	0.411	0.417	0.420	0.424	0.428	0.433	0.436
Electricity Related Losses	0.662	0.653	0.671	0.683	0.685	0.694	0.700	0.706	0.711	0.719	0.721	0.725	0.730	0.736	0.738
Total	0.872	0.886	0.990	1.004	1.043	1.059	1.073	1.073	1.086	1.097	1.104	1.121	1.123	1.138	1.155
Total	1.534	1.540	1.661	1.687	1.729	1.754	1.773	1.779	1.797	1.815	1.825	1.846	1.854	1.874	1.893
Commercial															
Distillate Fuel	0.018	0.020	0.021	0.020	0.020	0.020	0.021	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.024
Residual Fuel	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.007	0.008	0.008	0.007	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Motor Gasoline 2/ Petroleum Subtotal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Natural Gas	0.028	0.030	0.031	0.030	0.031	0.031	0.032	0.032	0.033	0.033	0.034	0.034	0.034	0.034	0.035
Coal	0.151	0.138	0.139	0.142	0.142	0.145	0.147	0.149	0.152	0.156	0.158	0.161	0.164	0.167	0.169
Coal	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Renewable Energy 3/ Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Delivered Energy	0.263	0.276	0.290	0.293	0.302	0.313	0.321	0.330	0.338	0.347	0.356	0.364	0.372	0.381	0.390
Electricity Related Losses	0.455	0.457	0.474	0.477	0.489	0.501	0.513	0.524	0.536	0.549	0.561	0.572	0.583	0.595	0.607
Total	0.622	0.655	0.743	0.758	0.807	0.833	0.859	0.870	0.893	0.914	0.936	0.963	0.976	1.001	1.033
Total	1.077	1.112	1.217	1.235	1.296	1.335	1.372	1.393	1.430	1.463	1.496	1.535	1.560	1.596	1.640
Industrial 4/															
Distillate Fuel	0.076	0.080	0.085	0.083	0.082	0.082	0.081	0.081	0.081	0.081	0.082	0.082	0.083	0.083	0.084
Liquefied Petroleum Gas	0.053	0.055	0.054	0.055	0.055	0.055	0.054	0.054	0.054	0.055	0.055	0.055	0.055	0.055	0.056
Petrochemical Feedstocks	0.113	0.124	0.121	0.123	0.124	0.124	0.123	0.123	0.124	0.124	0.125	0.125	0.125	0.125	0.126
Residual Fuel	0.009	0.009	0.010	0.007	0.008	0.009	0.008	0.009	0.009	0.009	0.009	0.008	0.009	0.009	0.009
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.026	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	0.028
Natural Gas	0.274	0.284	0.276	0.278	0.303	0.303	0.306	0.308	0.313	0.316	0.317	0.321	0.322	0.330	0.332
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.552	0.579	0.573	0.572	0.599	0.599	0.600	0.603	0.608	0.612	0.615	0.619	0.621	0.630	0.634
Coal	0.475	0.496	0.472	0.488	0.498	0.506	0.514	0.517	0.522	0.525	0.527	0.529	0.534	0.535	0.539
Coal	0.026	0.026	0.023	0.022	0.022	0.021	0.021	0.021	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Metallurgical Coal	0.501	0.522	0.495	0.511	0.520	0.527	0.535	0.538	0.542	0.545	0.547	0.549	0.554	0.555	0.559
Other Industrial Coal	0.081	0.082	0.084	0.082	0.083	0.083	0.083	0.083	0.085	0.085	0.086	0.087	0.087	0.088	0.090
Coal-to-Liquids Heat and Power	0.166	0.173	0.173	0.175	0.172	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173
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	-0.034	-0.080	-0.051	-0.013	-0.012	-0.012	-0.012	-0.012	-0.012	-0.011	-0.011	-0.011	-0.011	-0.011	-0.010
Renewable Energy 7/ Electricity	0.213	0.175	0.206	0.244	0.243	0.243	0.244	0.244	0.246	0.247	0.247	0.248	0.250	0.251	0.252
Delivered Energy	0.259	0.273	0.266	0.272	0.278	0.282	0.286	0.290	0.294	0.297	0.300	0.303	0.306	0.310	0.314
Electricity Related Losses	0.417	0.427	0.430	0.432	0.434	0.436	0.437	0.440	0.445	0.449	0.453	0.456	0.461	0.466	0.472
Total	1.942	1.975	1.971	2.031	2.074	2.088	2.102	2.115	2.135	2.150	2.162	2.176	2.192	2.211	2.231
Electricity Related Losses	0.986	1.014	1.100	1.119	1.158	1.163	1.167	1.160	1.175	1.182	1.191	1.207	1.208	1.224	1.249
Total	2.928	2.989	3.071	3.150	3.232	3.251	3.269	3.275	3.310	3.332	3.353	3.383	3.400	3.435	3.480

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	0.494	0.515	0.523	0.536	0.550	0.562	0.574	0.586	0.599	0.609	0.617	0.625	0.633	0.642	0.651
Jet Fuel 9/	0.158	0.163	0.163	0.167	0.173	0.176	0.181	0.187	0.193	0.196	0.199	0.201	0.204	0.206	0.209
Motor Gasoline 2/	1.128	1.149	1.153	1.156	1.177	1.193	1.211	1.227	1.242	1.254	1.266	1.279	1.292	1.303	1.316
Residual Fuel	0.012	0.013	0.014	0.014	0.014	0.014	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Liquefied Petroleum Gas	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
Other Petroleum 10/	0.011	0.013	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Petroleum Subtotal	1.805	1.854	1.867	1.888	1.928	1.960	1.994	2.029	2.062	2.089	2.112	2.135	2.158	2.180	2.205
Pipeline Fuel Natural Gas	0.074	0.074	0.084	0.082	0.082	0.083	0.085	0.084	0.086	0.089	0.092	0.094	0.096	0.098	0.098
Compressed Natural Gas	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007
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	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	0.000	0.000
Electricity	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Delivered Energy	1.886	1.935	1.959	1.977	2.018	2.052	2.088	2.122	2.158	2.188	2.214	2.240	2.266	2.291	2.316
Electricity Related Losses	0.012	0.012	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Total	1.897	1.947	1.971	1.990	2.032	2.066	2.102	2.136	2.172	2.202	2.228	2.254	2.280	2.305	2.331
Delivered Energy Consumption, All Sectors															
Distillate Fuel	0.592	0.619	0.632	0.642	0.655	0.667	0.679	0.692	0.705	0.716	0.725	0.733	0.742	0.751	0.761
Kerosene	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Jet Fuel 9/	0.158	0.163	0.163	0.167	0.173	0.176	0.181	0.187	0.193	0.196	0.199	0.201	0.204	0.206	0.209
Liquefied Petroleum Gas	0.105	0.107	0.107	0.107	0.108	0.107	0.107	0.108	0.108	0.109	0.109	0.109	0.109	0.109	0.110
Motor Gasoline 2/	1.155	1.177	1.181	1.184	1.205	1.222	1.239	1.255	1.270	1.283	1.294	1.307	1.320	1.331	1.344
Petrochemical Feedstocks	0.113	0.124	0.121	0.123	0.124	0.124	0.123	0.123	0.124	0.124	0.125	0.125	0.125	0.125	0.126
Residual Fuel	0.022	0.023	0.025	0.022	0.023	0.023	0.022	0.023	0.022	0.022	0.023	0.022	0.022	0.022	0.022
Other Petroleum 12/	0.285	0.295	0.287	0.289	0.315	0.314	0.318	0.320	0.324	0.327	0.329	0.333	0.334	0.342	0.343
Petroleum Subtotal	2.435	2.514	2.522	2.540	2.608	2.640	2.675	2.714	2.752	2.783	2.809	2.836	2.862	2.894	2.923
Natural Gas	0.844	0.839	0.820	0.847	0.858	0.871	0.883	0.890	0.900	0.908	0.913	0.919	0.927	0.932	0.939
Lease and Plant Fuel 6/	0.026	0.026	0.023	0.022	0.022	0.021	0.021	0.021	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Pipeline Natural Gas	0.074	0.074	0.084	0.082	0.082	0.083	0.085	0.084	0.086	0.089	0.092	0.094	0.096	0.098	0.098
Natural Gas Subtotal	0.944	0.940	0.927	0.951	0.962	0.976	0.989	0.995	1.006	1.017	1.025	1.033	1.043	1.050	1.057
Metallurgical Coal	0.081	0.082	0.084	0.082	0.083	0.083	0.083	0.083	0.085	0.085	0.086	0.087	0.087	0.088	0.090
Other Coal	0.175	0.183	0.183	0.185	0.182	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
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	-0.034	-0.080	-0.051	-0.013	-0.012	-0.012	-0.012	-0.012	-0.012	-0.011	-0.011	-0.011	-0.011	-0.011	-0.010
Coal Subtotal	0.222	0.185	0.216	0.254	0.253	0.253	0.254	0.254	0.256	0.257	0.257	0.258	0.260	0.261	0.262
Renewable Energy 13/	0.288	0.302	0.297	0.305	0.311	0.315	0.319	0.323	0.327	0.330	0.333	0.336	0.339	0.343	0.347
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	1.055	1.080	1.112	1.118	1.133	1.151	1.165	1.181	1.199	1.218	1.233	1.250	1.267	1.286	1.303
Delivered Energy	4.945	5.021	5.075	5.169	5.267	5.336	5.403	5.468	5.541	5.605	5.658	5.713	5.771	5.833	5.892
Electricity Related Losses	2.492	2.567	2.845	2.893	3.022	3.069	3.113	3.116	3.168	3.207	3.245	3.305	3.322	3.377	3.451
Total	7.437	7.588	7.920	8.062	8.289	8.405	8.515	8.584	8.709	8.813	8.903	9.019	9.093	9.210	9.343
Electric Power 14/															
Distillate Fuel	0.013	0.015	0.017	0.018	0.018	0.018	0.019	0.020	0.018	0.019	0.018	0.018	0.019	0.020	0.021
Residual Fuel	0.045	0.058	0.059	0.052	0.028	0.028	0.029	0.029	0.029	0.030	0.030	0.031	0.031	0.031	0.031
Petroleum Subtotal	0.058	0.072	0.077	0.070	0.046	0.046	0.048	0.049	0.047	0.049	0.049	0.049	0.050	0.051	0.052
Natural Gas	0.197	0.236	0.412	0.401	0.397	0.405	0.421	0.417	0.472	0.516	0.566	0.584	0.584	0.602	0.600
Steam Coal	2.365	2.387	2.520	2.550	2.601	2.653	2.691	2.710	2.725	2.729	2.731	2.782	2.818	2.864	2.953
Nuclear Power	0.709	0.735	0.728	0.748	0.857	0.857	0.857	0.857	0.857	0.865	0.865	0.865	0.865	0.865	0.865
Renewable Energy/Other 15/	0.218	0.216	0.220	0.244	0.254	0.259	0.261	0.265	0.267	0.266	0.268	0.276	0.273	0.281	0.284
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	3.548	3.647	3.957	4.012	4.155	4.221	4.278	4.297	4.367	4.425	4.478	4.555	4.589	4.663	4.754

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	0.605	0.634	0.649	0.659	0.673	0.685	0.699	0.713	0.723	0.734	0.743	0.752	0.761	0.772	0.783
Kerosene	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Jet Fuel 9/	0.158	0.163	0.163	0.167	0.173	0.176	0.181	0.187	0.193	0.196	0.199	0.201	0.204	0.206	0.209
Liquefied Petroleum Gas	0.105	0.107	0.107	0.107	0.108	0.107	0.107	0.108	0.108	0.109	0.109	0.109	0.109	0.109	0.110
Motor Gasoline 2/	1.155	1.177	1.181	1.184	1.205	1.222	1.239	1.255	1.270	1.283	1.294	1.307	1.320	1.331	1.344
Petrochemical Feedstocks	0.113	0.124	0.121	0.123	0.124	0.124	0.123	0.123	0.124	0.124	0.125	0.125	0.125	0.125	0.126
Residual Fuel	0.067	0.081	0.085	0.074	0.051	0.051	0.050	0.052	0.051	0.053	0.053	0.053	0.053	0.053	0.053
Other Petroleum 12/	0.285	0.295	0.287	0.289	0.315	0.314	0.318	0.320	0.324	0.327	0.329	0.333	0.334	0.342	0.343
Petroleum Subtotal	2.494	2.587	2.599	2.610	2.654	2.686	2.723	2.764	2.799	2.832	2.858	2.885	2.912	2.945	2.975
Natural Gas	1.041	1.075	1.232	1.247	1.255	1.277	1.304	1.307	1.372	1.424	1.478	1.503	1.511	1.534	1.539
Lease and Plant Fuel 6/	0.026	0.026	0.023	0.022	0.022	0.021	0.021	0.021	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Pipeline Natural Gas	0.074	0.074	0.084	0.082	0.082	0.083	0.085	0.084	0.086	0.089	0.092	0.094	0.096	0.098	0.098
Natural Gas Subtotal	1.141	1.176	1.339	1.351	1.359	1.381	1.410	1.411	1.478	1.533	1.590	1.617	1.627	1.652	1.657
Metallurgical Coal	0.081	0.082	0.084	0.082	0.083	0.083	0.083	0.083	0.085	0.085	0.086	0.087	0.087	0.088	0.090
Other Coal	2.540	2.570	2.703	2.734	2.784	2.836	2.874	2.893	2.908	2.912	2.914	2.965	3.000	3.047	3.137
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	-0.034	-0.080	-0.051	-0.013	-0.012	-0.012	-0.012	-0.012	-0.012	-0.011	-0.011	-0.011	-0.011	-0.011	-0.010
Coal Subtotal	2.587	2.572	2.737	2.804	2.854	2.906	2.945	2.964	2.981	2.986	2.988	3.040	3.077	3.124	3.216
Nuclear Power	0.709	0.735	0.728	0.748	0.857	0.857	0.857	0.857	0.857	0.865	0.865	0.865	0.865	0.865	0.865
Renewable Energy 16/	0.507	0.518	0.518	0.549	0.565	0.575	0.580	0.588	0.593	0.597	0.601	0.611	0.613	0.624	0.631
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	7.437	7.588	7.920	8.062	8.289	8.405	8.515	8.584	8.709	8.813	8.903	9.019	9.093	9.210	9.343
Energy Use and Related Statistics															
Delivered Energy Use	4.945	5.021	5.075	5.169	5.267	5.336	5.403	5.468	5.541	5.605	5.658	5.713	5.771	5.833	5.892
Total Energy Use	7.437	7.588	7.920	8.062	8.289	8.405	8.515	8.584	8.709	8.813	8.903	9.019	9.093	9.210	9.343
Population (millions)	17.385	17.506	17.606	17.705	17.802	17.897	17.993	18.088	18.182	18.276	18.369	18.460	18.551	18.641	18.730
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

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-2.4%
Kerosene	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.6%
Liquefied Petroleum Gas	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.043	0.043	0.043	0.043	0.0%
Petroleum Subtotal	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	-0.1%
Natural Gas	0.223	0.223	0.223	0.222	0.222	0.221	0.221	0.219	0.219	0.218	0.218	0.217	0.216	0.2%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.2%
Renewable Energy 1/ Electricity	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.6%
Delivered Energy	0.440	0.443	0.448	0.451	0.454	0.457	0.462	0.464	0.468	0.471	0.476	0.479	0.482	1.0%
Electricity Related Losses	0.742	0.745	0.751	0.751	0.754	0.757	0.762	0.762	0.765	0.769	0.774	0.775	0.778	0.7%
Total	1.183	1.228	1.266	1.297	1.333	1.375	1.428	1.463	1.499	1.543	1.593	1.633	1.661	2.4%
Total	1.925	1.973	2.016	2.048	2.087	2.132	2.190	2.225	2.265	2.312	2.366	2.408	2.439	1.8%
Commercial														
Distillate Fuel	0.024	0.024	0.025	0.025	0.025	0.026	0.026	0.026	0.027	0.027	0.027	0.028	0.028	1.3%
Residual Fuel	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.7%
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	1.2%
Liquefied Petroleum Gas	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.3%
Motor Gasoline 2/ Petroleum Subtotal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.4%
Natural Gas	0.035	0.035	0.036	0.036	0.036	0.037	0.037	0.037	0.038	0.038	0.038	0.039	0.039	1.0%
Coal	0.171	0.174	0.176	0.178	0.180	0.183	0.185	0.187	0.190	0.192	0.195	0.198	0.201	1.4%
Coal	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	N/A
Renewable Energy 3/ Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.0%
Delivered Energy	0.399	0.408	0.417	0.427	0.437	0.447	0.458	0.468	0.479	0.490	0.502	0.513	0.525	2.5%
Electricity Related Losses	0.619	0.630	0.642	0.654	0.667	0.680	0.693	0.706	0.720	0.734	0.748	0.764	0.778	2.1%
Total	1.073	1.130	1.178	1.229	1.283	1.345	1.416	1.475	1.536	1.604	1.678	1.751	1.808	4.0%
Total	1.692	1.760	1.820	1.883	1.950	2.025	2.109	2.181	2.256	2.338	2.426	2.514	2.587	3.3%
Industrial 4/														
Distillate Fuel	0.084	0.085	0.085	0.086	0.086	0.086	0.087	0.088	0.089	0.090	0.091	0.092	0.093	0.6%
Liquefied Petroleum Gas	0.056	0.057	0.057	0.058	0.058	0.059	0.059	0.060	0.060	0.061	0.061	0.062	0.062	0.5%
Petrochemical Feedstocks	0.128	0.129	0.129	0.130	0.131	0.132	0.133	0.133	0.134	0.136	0.136	0.138	0.139	0.4%
Residual Fuel	0.009	0.009	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.1%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.029	0.029	0.029	0.029	0.030	0.030	0.4%
Natural Gas	0.334	0.339	0.341	0.344	0.348	0.349	0.359	0.365	0.371	0.380	0.387	0.393	0.395	1.3%
Coal	0.639	0.646	0.648	0.654	0.660	0.663	0.676	0.684	0.693	0.705	0.714	0.723	0.729	0.9%
Natural Gas	0.542	0.544	0.548	0.550	0.554	0.561	0.562	0.567	0.572	0.575	0.578	0.582	0.589	0.7%
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.020	0.020	0.020	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.020	-1.1%
Metallurgical Coal	0.562	0.564	0.568	0.569	0.573	0.580	0.582	0.586	0.591	0.594	0.597	0.602	0.609	0.6%
Other Industrial Coal	0.091	0.092	0.092	0.093	0.094	0.096	0.097	0.098	0.100	0.102	0.104	0.105	0.107	1.0%
Coal-to-Liquids Heat and Power	0.173	0.174	0.174	0.174	0.174	0.174	0.174	0.175	0.175	0.175	0.176	0.176	0.176	0.1%
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	-0.010	-0.010	-0.010	-0.010	-0.009	-0.009	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.008	-8.5%
Renewable Energy 7/ Electricity	0.254	0.255	0.256	0.257	0.259	0.260	0.262	0.264	0.266	0.269	0.271	0.273	0.275	1.8%
Delivered Energy	0.318	0.321	0.325	0.329	0.333	0.337	0.341	0.346	0.351	0.356	0.361	0.366	0.371	1.2%
Electricity Related Losses	0.478	0.482	0.486	0.491	0.496	0.502	0.508	0.516	0.524	0.533	0.541	0.549	0.557	1.0%
Total	2.250	2.268	2.284	2.301	2.322	2.342	2.369	2.396	2.426	2.456	2.484	2.513	2.541	1.0%
Total	1.286	1.336	1.372	1.414	1.457	1.508	1.573	1.625	1.680	1.743	1.808	1.872	1.916	2.5%
Total	3.536	3.604	3.656	3.715	3.779	3.850	3.942	4.022	4.106	4.199	4.292	4.385	4.457	1.5%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	0.660	0.669	0.678	0.688	0.698	0.709	0.721	0.733	0.747	0.761	0.775	0.789	0.804	1.7%
Jet Fuel 9/	0.212	0.213	0.214	0.214	0.214	0.214	0.215	0.215	0.216	0.216	0.217	0.219	0.221	1.2%
Motor Gasoline 2/	1.329	1.340	1.351	1.361	1.371	1.381	1.391	1.401	1.411	1.422	1.432	1.442	1.452	0.9%
Residual Fuel	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	-0.1%
Liquefied Petroleum Gas	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	5.0%
Other Petroleum 10/	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.2%
Petroleum Subtotal	2.230	2.252	2.273	2.293	2.314	2.335	2.357	2.380	2.405	2.430	2.455	2.482	2.509	1.2%
Pipeline Fuel Natural Gas	0.098	0.098	0.097	0.095	0.094	0.093	0.091	0.090	0.088	0.087	0.086	0.084	0.084	0.4%
Compressed Natural Gas	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	6.9%
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	6.2%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.6%
Delivered Energy	2.341	2.364	2.383	2.402	2.422	2.442	2.463	2.484	2.508	2.532	2.557	2.582	2.608	1.2%
Electricity Related Losses	0.015	0.015	0.016	0.016	0.016	0.017	0.018	0.018	0.018	0.019	0.019	0.020	0.020	2.0%
Total	2.356	2.379	2.398	2.418	2.438	2.459	2.481	2.502	2.526	2.551	2.576	2.602	2.628	1.2%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.771	0.780	0.790	0.801	0.812	0.824	0.837	0.850	0.865	0.880	0.895	0.911	0.927	1.6%
Kerosene	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.6%
Jet Fuel 9/	0.212	0.213	0.214	0.214	0.214	0.214	0.215	0.215	0.216	0.216	0.217	0.219	0.221	1.2%
Liquefied Petroleum Gas	0.111	0.111	0.112	0.112	0.113	0.114	0.114	0.115	0.116	0.117	0.117	0.118	0.119	0.4%
Motor Gasoline 2/	1.357	1.369	1.380	1.390	1.400	1.410	1.420	1.431	1.441	1.452	1.463	1.473	1.483	0.9%
Petrochemical Feedstocks	0.128	0.129	0.129	0.130	0.131	0.132	0.133	0.133	0.134	0.136	0.136	0.138	0.139	0.4%
Residual Fuel	0.022	0.023	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.0%
Other Petroleum 12/	0.346	0.350	0.353	0.356	0.360	0.360	0.371	0.377	0.383	0.392	0.399	0.405	0.408	1.2%
Petroleum Subtotal	2.953	2.982	3.006	3.032	3.059	3.084	3.119	3.150	3.185	3.222	3.257	3.293	3.326	1.1%
Natural Gas	0.944	0.948	0.955	0.958	0.964	0.972	0.976	0.982	0.989	0.994	1.000	1.006	1.016	0.7%
Lease and Plant Fuel 6/	0.020	0.020	0.020	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.020	-1.1%
Pipeline Natural Gas	0.098	0.098	0.097	0.095	0.094	0.093	0.091	0.090	0.088	0.087	0.086	0.084	0.084	0.4%
Natural Gas Subtotal	1.062	1.066	1.071	1.072	1.077	1.084	1.087	1.092	1.097	1.100	1.106	1.110	1.119	0.7%
Metallurgical Coal	0.091	0.092	0.092	0.093	0.094	0.096	0.097	0.098	0.100	0.102	0.104	0.105	0.107	1.0%
Other Coal	0.183	0.183	0.184	0.184	0.184	0.184	0.184	0.184	0.185	0.185	0.186	0.186	0.186	0.1%
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Net Coal Coke Imports	-0.010	-0.010	-0.010	-0.010	-0.009	-0.009	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.008	-8.5%
Coal Subtotal	0.264	0.265	0.266	0.267	0.269	0.270	0.272	0.274	0.276	0.279	0.281	0.283	0.285	1.7%
Renewable Energy 13/	0.351	0.355	0.358	0.362	0.366	0.370	0.375	0.379	0.384	0.389	0.394	0.399	0.404	1.1%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.322	1.339	1.357	1.374	1.393	1.412	1.433	1.454	1.477	1.500	1.524	1.547	1.570	1.4%
Delivered Energy	5.952	6.008	6.059	6.109	6.164	6.221	6.287	6.349	6.419	6.490	6.562	6.633	6.705	1.1%
Electricity Related Losses	3.557	3.709	3.832	3.956	4.089	4.245	4.434	4.582	4.734	4.910	5.098	5.276	5.406	2.9%
Total	9.509	9.717	9.891	10.065	10.253	10.466	10.721	10.931	11.153	11.400	11.660	11.909	12.111	1.8%
Electric Power 14/														
Distillate Fuel	0.022	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.024	0.024	0.023	0.024	1.8%
Residual Fuel	0.030	0.030	0.029	0.029	0.028	0.027	0.027	0.026	0.023	0.022	0.022	0.020	0.020	-4.0%
Petroleum Subtotal	0.053	0.053	0.052	0.052	0.051	0.051	0.051	0.050	0.047	0.046	0.045	0.044	0.044	-1.9%
Natural Gas	0.581	0.582	0.557	0.535	0.513	0.508	0.502	0.486	0.483	0.480	0.481	0.463	0.474	2.7%
Steam Coal	3.096	3.263	3.430	3.593	3.764	3.945	4.162	4.344	4.521	4.725	4.939	5.161	5.305	3.1%
Nuclear Power	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.6%
Renewable Energy/Other 15/	0.284	0.286	0.285	0.285	0.289	0.288	0.288	0.291	0.296	0.295	0.292	0.291	0.289	1.1%
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Total	4.879	5.048	5.189	5.330	5.482	5.657	5.868	6.035	6.211	6.410	6.623	6.823	6.976	2.5%

Table 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

East South Central	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	0.794	0.803	0.813	0.824	0.835	0.847	0.861	0.874	0.889	0.904	0.919	0.934	0.951	1.6%
Kerosene	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.6%
Jet Fuel 9/	0.212	0.213	0.214	0.214	0.214	0.214	0.215	0.215	0.216	0.216	0.217	0.219	0.221	1.2%
Liquefied Petroleum Gas	0.111	0.111	0.112	0.112	0.113	0.114	0.114	0.115	0.116	0.117	0.117	0.118	0.119	0.4%
Motor Gasoline 2/	1.357	1.369	1.380	1.390	1.400	1.410	1.420	1.431	1.441	1.452	1.463	1.473	1.483	0.9%
Petrochemical Feedstocks	0.128	0.129	0.129	0.130	0.131	0.132	0.133	0.133	0.134	0.136	0.136	0.138	0.139	0.4%
Residual Fuel	0.053	0.052	0.051	0.052	0.051	0.050	0.050	0.049	0.045	0.044	0.044	0.044	0.044	-2.4%
Other Petroleum 12/	0.346	0.350	0.353	0.356	0.360	0.360	0.371	0.377	0.383	0.392	0.399	0.405	0.408	1.2%
Petroleum Subtotal	3.006	3.035	3.058	3.084	3.110	3.134	3.170	3.200	3.231	3.268	3.302	3.337	3.370	1.0%
Natural Gas	1.525	1.530	1.513	1.493	1.477	1.481	1.478	1.469	1.473	1.474	1.482	1.470	1.490	1.3%
Lease and Plant Fuel 6/	0.020	0.020	0.020	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.020	-1.1%
Pipeline Natural Gas	0.098	0.098	0.097	0.095	0.094	0.093	0.091	0.090	0.088	0.087	0.086	0.084	0.084	0.4%
Natural Gas Subtotal	1.643	1.648	1.629	1.608	1.590	1.593	1.589	1.578	1.580	1.580	1.587	1.574	1.593	1.2%
Metallurgical Coal	0.091	0.092	0.092	0.093	0.094	0.096	0.097	0.098	0.100	0.102	0.104	0.105	0.107	1.0%
Other Coal	3.279	3.447	3.614	3.777	3.948	4.129	4.346	4.528	4.705	4.910	5.125	5.347	5.491	3.0%
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	N/A
Net Coal Coke Imports	-0.010	-0.010	-0.010	-0.010	-0.009	-0.009	-0.009	-0.009	-0.009	-0.008	-0.008	-0.008	-0.008	-8.5%
Coal Subtotal	3.360	3.528	3.696	3.860	4.033	4.215	4.435	4.618	4.797	5.003	5.220	5.444	5.590	3.0%
Nuclear Power	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.6%
Renewable Energy 16/	0.635	0.640	0.644	0.648	0.655	0.659	0.663	0.670	0.680	0.684	0.686	0.690	0.693	1.1%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Total	9.509	9.717	9.891	10.065	10.253	10.466	10.721	10.931	11.153	11.400	11.660	11.909	12.111	1.8%
Energy Use and Related Statistics														
Delivered Energy Use	5.952	6.008	6.059	6.109	6.164	6.221	6.287	6.349	6.419	6.490	6.562	6.633	6.705	1.1%
Total Energy Use	9.509	9.717	9.891	10.065	10.253	10.466	10.721	10.931	11.153	11.400	11.660	11.909	12.111	1.8%
Population (millions)	18.819	18.907	18.994	19.083	19.172	19.261	19.352	19.444	19.536	19.629	19.722	19.816	19.910	0.5%
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 6. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)
East South Central

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.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Consumption															
Residential															
Distillate Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.031	0.032	0.032	0.032	0.032	0.033	0.033	0.034	0.035	0.035	0.036	0.036	0.037	0.038	0.038
Petroleum Subtotal	0.032	0.033	0.033	0.033	0.033	0.034	0.034	0.035	0.036	0.036	0.037	0.037	0.038	0.039	0.039
Natural Gas	0.381	0.366	0.370	0.381	0.384	0.390	0.394	0.399	0.404	0.409	0.412	0.416	0.420	0.426	0.430
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
Renewable Energy 1/ Electricity	0.637	0.643	0.663	0.667	0.688	0.712	0.728	0.742	0.755	0.769	0.779	0.791	0.804	0.818	0.829
Delivered Energy	1.068	1.060	1.085	1.102	1.127	1.158	1.179	1.198	1.216	1.237	1.249	1.266	1.284	1.305	1.320
Electricity Related Losses	1.320	1.271	1.127	1.149	1.187	1.222	1.269	1.292	1.328	1.343	1.348	1.360	1.372	1.380	1.367
Total	2.388	2.331	2.212	2.252	2.314	2.380	2.448	2.490	2.544	2.580	2.598	2.626	2.656	2.686	2.687
Commercial															
Distillate Fuel	0.028	0.030	0.032	0.028	0.028	0.028	0.029	0.029	0.030	0.030	0.030	0.031	0.031	0.031	0.031
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquefied Petroleum Gas	0.012	0.013	0.013	0.010	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.012	0.012
Motor Gasoline 2/ Petroleum Subtotal	0.048	0.052	0.053	0.046	0.049	0.048	0.049	0.050	0.050	0.050	0.051	0.051	0.051	0.051	0.052
Natural Gas	0.300	0.277	0.278	0.276	0.279	0.285	0.291	0.297	0.303	0.309	0.314	0.320	0.325	0.331	0.335
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
Renewable Energy 3/ Electricity	0.512	0.528	0.546	0.547	0.562	0.577	0.591	0.605	0.620	0.635	0.648	0.661	0.675	0.690	0.705
Delivered Energy	0.863	0.859	0.880	0.872	0.892	0.914	0.935	0.954	0.976	0.997	1.016	1.035	1.054	1.075	1.095
Electricity Related Losses	1.061	1.042	0.929	0.943	0.968	0.990	1.031	1.054	1.090	1.107	1.121	1.137	1.152	1.163	1.162
Total	1.924	1.901	1.808	1.815	1.860	1.905	1.965	2.008	2.065	2.104	2.137	2.172	2.206	2.238	2.257
Industrial 4/															
Distillate Fuel	0.212	0.223	0.236	0.231	0.228	0.227	0.226	0.227	0.226	0.226	0.227	0.228	0.229	0.231	0.233
Liquefied Petroleum Gas	1.708	1.771	1.758	1.767	1.793	1.782	1.766	1.764	1.772	1.781	1.788	1.791	1.795	1.798	1.812
Petrochemical Feedstocks	0.654	0.715	0.699	0.711	0.718	0.715	0.711	0.710	0.714	0.718	0.720	0.721	0.722	0.724	0.730
Residual Fuel	0.015	0.016	0.018	0.012	0.012	0.013	0.012	0.013	0.012	0.012	0.013	0.012	0.012	0.012	0.012
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	3.953	4.069	4.026	4.042	4.292	4.254	4.272	4.292	4.359	4.406	4.422	4.467	4.485	4.567	4.605
Natural Gas	3.114	3.214	3.065	3.167	3.234	3.318	3.363	3.385	3.409	3.413	3.430	3.430	3.458	3.444	3.465
Lease and Plant Fuel 6/ Natural Gas Subtotal	3.652	3.741	3.599	3.700	3.759	3.853	3.901	3.923	3.964	3.973	4.005	4.008	4.035	4.018	4.039
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 Industrial Coal	0.089	0.093	0.092	0.093	0.096	0.096	0.096	0.096	0.096	0.095	0.095	0.095	0.095	0.095	0.095
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	0.089	0.093	0.092	0.093	0.096	0.096	0.096	0.096	0.096	0.095	0.095	0.095	0.095	0.095	0.095
Renewable Energy 7/ Electricity	0.249	0.263	0.257	0.262	0.267	0.271	0.275	0.279	0.283	0.286	0.289	0.291	0.295	0.298	0.302
Delivered Energy	8.491	8.728	8.540	8.666	8.983	9.048	9.117	9.163	9.283	9.344	9.403	9.458	9.512	9.591	9.661
Electricity Related Losses	1.134	1.112	0.964	0.981	0.982	0.985	0.997	1.000	1.022	1.018	1.024	1.026	1.028	1.034	1.023
Total	9.625	9.840	9.504	9.648	9.965	10.033	10.114	10.163	10.305	10.363	10.427	10.485	10.540	10.624	10.684

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	1.045	1.091	1.106	1.140	1.179	1.211	1.246	1.280	1.314	1.343	1.369	1.394	1.419	1.445	1.474
Jet Fuel 9/	0.840	0.863	0.865	0.890	0.925	0.952	0.983	1.023	1.061	1.084	1.104	1.124	1.142	1.162	1.186
Motor Gasoline 2/	2.036	2.074	2.081	2.099	2.137	2.177	2.221	2.265	2.304	2.340	2.374	2.411	2.449	2.484	2.523
Residual Fuel	0.161	0.173	0.187	0.188	0.186	0.183	0.181	0.179	0.179	0.180	0.181	0.182	0.183	0.184	0.185
Liquefied Petroleum Gas	0.003	0.004	0.006	0.006	0.006	0.007	0.007	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.011
Other Petroleum 10/	0.023	0.030	0.031	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.033
Petroleum Subtotal	4.108	4.235	4.275	4.354	4.464	4.561	4.668	4.786	4.898	4.988	5.070	5.152	5.235	5.318	5.411
Pipeline Fuel Natural Gas	0.173	0.173	0.169	0.168	0.165	0.167	0.167	0.165	0.169	0.174	0.178	0.178	0.179	0.179	0.179
Compressed Natural Gas	0.002	0.003	0.003	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	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	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	0.000	0.000
Electricity	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011
Delivered Energy	4.293	4.421	4.457	4.535	4.644	4.743	4.852	4.968	5.085	5.179	5.267	5.350	5.434	5.518	5.611
Electricity Related Losses	0.020	0.019	0.016	0.017	0.017	0.017	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019
Total	4.313	4.440	4.474	4.552	4.661	4.760	4.870	4.986	5.103	5.198	5.286	5.369	5.453	5.537	5.630
Delivered Energy Consumption, All Sectors															
Distillate Fuel	1.285	1.344	1.374	1.400	1.435	1.467	1.501	1.536	1.569	1.599	1.626	1.653	1.679	1.708	1.738
Kerosene	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Jet Fuel 9/	0.840	0.863	0.865	0.890	0.925	0.952	0.983	1.023	1.061	1.084	1.104	1.124	1.142	1.162	1.186
Liquefied Petroleum Gas	1.755	1.820	1.808	1.815	1.845	1.833	1.819	1.818	1.827	1.838	1.846	1.850	1.854	1.858	1.874
Motor Gasoline 2/	2.087	2.126	2.133	2.152	2.190	2.230	2.274	2.318	2.357	2.393	2.427	2.464	2.502	2.537	2.577
Petrochemical Feedstocks	0.654	0.715	0.699	0.711	0.718	0.715	0.711	0.710	0.714	0.718	0.720	0.721	0.722	0.724	0.730
Residual Fuel	0.176	0.189	0.205	0.201	0.198	0.196	0.193	0.192	0.192	0.193	0.194	0.194	0.196	0.197	0.198
Other Petroleum 12/	1.337	1.321	1.293	1.298	1.517	1.494	1.535	1.556	1.613	1.647	1.653	1.694	1.705	1.780	1.796
Petroleum Subtotal	8.142	8.388	8.386	8.475	8.838	8.897	9.024	9.162	9.343	9.480	9.579	9.708	9.809	9.975	10.107
Natural Gas	3.796	3.859	3.717	3.827	3.901	3.999	4.054	4.087	4.123	4.139	4.165	4.174	4.213	4.210	4.240
Lease and Plant Fuel 6/	0.538	0.527	0.534	0.533	0.525	0.535	0.538	0.538	0.555	0.560	0.575	0.578	0.577	0.574	0.574
Pipeline Natural Gas	0.173	0.173	0.169	0.168	0.165	0.167	0.167	0.165	0.169	0.174	0.178	0.178	0.179	0.179	0.179
Natural Gas Subtotal	4.507	4.560	4.420	4.528	4.591	4.701	4.759	4.789	4.847	4.873	4.918	4.930	4.968	4.963	4.992
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	0.089	0.093	0.092	0.093	0.096	0.096	0.096	0.096	0.096	0.095	0.095	0.095	0.095	0.095	0.095
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	0.089	0.093	0.092	0.093	0.096	0.096	0.096	0.096	0.096	0.095	0.095	0.095	0.095	0.095	0.095
Renewable Energy 13/	0.271	0.284	0.279	0.286	0.292	0.296	0.300	0.304	0.307	0.311	0.314	0.316	0.320	0.323	0.327
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	1.707	1.743	1.785	1.794	1.829	1.874	1.902	1.932	1.967	1.998	2.029	2.059	2.092	2.132	2.166
Delivered Energy	14.716	15.068	14.962	15.176	15.646	15.863	16.082	16.283	16.560	16.758	16.935	17.109	17.285	17.489	17.687
Electricity Related Losses	3.534	3.444	3.036	3.090	3.155	3.214	3.314	3.364	3.458	3.487	3.513	3.543	3.570	3.596	3.571
Total	18.250	18.512	17.998	18.266	18.800	19.077	19.396	19.648	20.018	20.245	20.448	20.651	20.855	21.085	21.259
Electric Power 14/															
Distillate Fuel	0.045	0.010	0.018	0.017	0.018	0.018	0.020	0.021	0.021	0.020	0.020	0.020	0.024	0.025	0.025
Residual Fuel	0.015	0.049	0.007	0.002	0.003	0.003	0.003	0.003	0.003	0.001	0.002	0.002	0.002	0.002	0.002
Petroleum Subtotal	0.061	0.059	0.025	0.019	0.020	0.020	0.023	0.024	0.023	0.021	0.022	0.022	0.026	0.027	0.027
Natural Gas	1.989	1.886	1.613	1.618	1.633	1.687	1.702	1.744	1.861	1.952	2.042	2.098	2.147	2.146	2.151
Steam Coal	2.397	2.419	2.339	2.347	2.372	2.415	2.518	2.533	2.540	2.505	2.457	2.458	2.458	2.509	2.499
Nuclear Power	0.701	0.725	0.719	0.730	0.732	0.733	0.735	0.737	0.738	0.739	0.740	0.740	0.740	0.752	0.765
Renewable Energy/Other 15/	0.095	0.099	0.127	0.170	0.226	0.232	0.240	0.259	0.262	0.267	0.281	0.285	0.293	0.294	0.295
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	5.241	5.187	4.822	4.884	4.984	5.088	5.217	5.296	5.425	5.485	5.542	5.602	5.663	5.728	5.737

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	1.330	1.354	1.392	1.417	1.452	1.484	1.521	1.558	1.590	1.619	1.647	1.672	1.703	1.733	1.763
Kerosene	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Jet Fuel 9/	0.840	0.863	0.865	0.890	0.925	0.952	0.983	1.023	1.061	1.084	1.104	1.124	1.142	1.162	1.186
Liquefied Petroleum Gas	1.755	1.820	1.808	1.815	1.845	1.833	1.819	1.818	1.827	1.838	1.846	1.850	1.854	1.858	1.874
Motor Gasoline 2/	2.087	2.126	2.133	2.152	2.190	2.230	2.274	2.318	2.357	2.393	2.427	2.464	2.502	2.537	2.577
Petrochemical Feedstocks	0.654	0.715	0.699	0.711	0.718	0.715	0.711	0.710	0.714	0.718	0.720	0.721	0.722	0.724	0.730
Residual Fuel	0.192	0.238	0.212	0.203	0.201	0.199	0.196	0.194	0.195	0.194	0.196	0.196	0.198	0.199	0.200
Other Petroleum 12/	1.337	1.321	1.293	1.298	1.517	1.494	1.535	1.556	1.613	1.647	1.653	1.694	1.705	1.780	1.796
Petroleum Subtotal	8.202	8.447	8.411	8.495	8.858	8.917	9.047	9.186	9.366	9.502	9.601	9.730	9.835	10.002	10.134
Natural Gas	5.785	5.745	5.329	5.445	5.535	5.687	5.756	5.831	5.984	6.091	6.207	6.272	6.360	6.357	6.391
Lease and Plant Fuel 6/	0.538	0.527	0.534	0.533	0.525	0.535	0.538	0.538	0.555	0.560	0.575	0.578	0.577	0.574	0.574
Pipeline Natural Gas	0.173	0.173	0.169	0.168	0.165	0.167	0.167	0.165	0.169	0.174	0.178	0.178	0.179	0.179	0.179
Natural Gas Subtotal	6.496	6.445	6.032	6.146	6.225	6.388	6.461	6.533	6.708	6.825	6.960	7.028	7.115	7.109	7.143
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	2.486	2.512	2.431	2.440	2.468	2.511	2.613	2.629	2.636	2.601	2.552	2.553	2.553	2.604	2.595
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	2.486	2.512	2.431	2.440	2.468	2.511	2.613	2.629	2.636	2.601	2.552	2.553	2.553	2.604	2.595
Nuclear Power	0.701	0.725	0.719	0.730	0.732	0.733	0.735	0.737	0.738	0.739	0.740	0.740	0.740	0.752	0.765
Renewable Energy 16/	0.365	0.383	0.406	0.456	0.518	0.528	0.540	0.563	0.570	0.578	0.595	0.602	0.612	0.617	0.622
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	18.250	18.512	17.998	18.266	18.800	19.077	19.396	19.648	20.018	20.245	20.448	20.651	20.855	21.085	21.259
Energy Use and Related Statistics															
Delivered Energy Use	14.716	15.068	14.962	15.176	15.646	15.863	16.082	16.283	16.560	16.758	16.935	17.109	17.285	17.489	17.687
Total Energy Use	18.250	18.512	17.998	18.266	18.800	19.077	19.396	19.648	20.018	20.245	20.448	20.651	20.855	21.085	21.259
Population (millions)	32.899	33.332	33.755	34.179	34.601	35.020	35.442	35.865	36.289	36.718	37.151	37.587	38.027	38.471	38.918
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

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.4%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.3%
Liquefied Petroleum Gas	0.039	0.039	0.040	0.040	0.041	0.041	0.042	0.043	0.043	0.044	0.044	0.045	0.046	1.4%
Petroleum Subtotal	0.040	0.040	0.041	0.041	0.042	0.042	0.043	0.044	0.044	0.045	0.045	0.046	0.047	1.3%
Natural Gas	0.434	0.438	0.444	0.448	0.453	0.459	0.466	0.470	0.476	0.483	0.490	0.495	0.500	1.2%
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	-0.3%
Renewable Energy 1/ Electricity	0.842	0.854	0.867	0.876	0.887	0.898	0.912	0.921	0.934	0.946	0.961	0.973	0.986	1.7%
Delivered Energy	1.337	1.354	1.375	1.388	1.405	1.422	1.444	1.458	1.477	1.496	1.520	1.536	1.556	1.5%
Electricity Related Losses	1.355	1.358	1.356	1.340	1.331	1.312	1.302	1.294	1.286	1.272	1.261	1.238	1.235	-0.1%
Total	2.693	2.713	2.731	2.729	2.736	2.735	2.746	2.752	2.763	2.769	2.780	2.774	2.791	0.7%
Commercial														
Distillate Fuel	0.032	0.032	0.032	0.032	0.032	0.033	0.033	0.033	0.033	0.034	0.034	0.034	0.034	0.5%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-1.0%
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.2%
Liquefied Petroleum Gas	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	-0.4%
Motor Gasoline 2/ Petroleum Subtotal	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%
Petroleum Subtotal	0.052	0.052	0.052	0.052	0.053	0.053	0.053	0.053	0.053	0.054	0.054	0.054	0.054	0.2%
Natural Gas	0.340	0.343	0.348	0.352	0.357	0.361	0.366	0.371	0.376	0.381	0.387	0.392	0.398	1.4%
Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0%
Renewable Energy 3/ Electricity	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.0%
Delivered Energy	0.720	0.734	0.748	0.760	0.773	0.787	0.801	0.815	0.830	0.844	0.860	0.877	0.894	2.0%
Electricity Related Losses	1.114	1.132	1.151	1.168	1.185	1.204	1.223	1.241	1.262	1.281	1.303	1.327	1.349	1.8%
Electricity Related Losses	1.159	1.168	1.170	1.163	1.160	1.149	1.143	1.144	1.142	1.135	1.128	1.116	1.120	0.3%
Total	2.273	2.300	2.321	2.330	2.345	2.353	2.366	2.385	2.404	2.416	2.430	2.443	2.468	1.0%
Industrial 4/														
Distillate Fuel	0.235	0.236	0.237	0.238	0.239	0.240	0.242	0.245	0.248	0.251	0.253	0.256	0.259	0.6%
Liquefied Petroleum Gas	1.829	1.842	1.854	1.871	1.887	1.903	1.921	1.940	1.960	1.980	1.990	2.006	2.021	0.5%
Petrochemical Feedstocks	0.737	0.744	0.747	0.751	0.755	0.760	0.765	0.770	0.776	0.782	0.787	0.794	0.801	0.4%
Residual Fuel	0.013	0.013	0.012	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	-0.4%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.046	0.046	0.047	0.047	0.047	0.047	0.048	0.048	0.049	0.049	0.049	0.050	0.050	0.4%
Petroleum Subtotal	1.772	1.798	1.804	1.832	1.834	1.843	1.943	1.979	2.013	2.095	2.167	2.190	2.169	2.0%
Natural Gas	4.632	4.679	4.701	4.752	4.776	4.807	4.932	4.995	5.060	5.171	5.260	5.310	5.314	1.0%
Natural Gas	3.479	3.486	3.524	3.515	3.546	3.588	3.578	3.600	3.620	3.618	3.625	3.652	3.715	0.6%
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.570	0.567	0.559	0.553	0.549	0.548	0.542	0.531	0.527	0.520	0.513	0.506	0.501	-0.2%
Natural Gas Subtotal	4.048	4.053	4.083	4.069	4.095	4.136	4.120	4.130	4.147	4.138	4.138	4.158	4.215	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 Industrial Coal	0.096	0.096	0.096	0.096	0.096	0.097	0.097	0.097	0.097	0.097	0.097	0.098	0.098	0.2%
Coal-to-Liquids Heat and Power 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	0.096	0.096	0.096	0.096	0.096	0.097	0.097	0.097	0.097	0.097	0.097	0.098	0.098	0.2%
Renewable Energy 7/ Electricity	0.306	0.309	0.313	0.316	0.320	0.324	0.328	0.332	0.337	0.342	0.347	0.351	0.356	1.2%
Delivered Energy	0.630	0.635	0.634	0.646	0.651	0.654	0.667	0.676	0.687	0.700	0.713	0.723	0.727	1.0%
Electricity Related Losses	9.712	9.772	9.827	9.879	9.938	10.018	10.144	10.231	10.328	10.449	10.555	10.640	10.711	0.8%
Electricity Related Losses	1.014	1.011	0.991	0.988	0.976	0.955	0.953	0.949	0.947	0.942	0.935	0.920	0.911	-0.8%
Total	10.726	10.783	10.817	10.866	10.914	10.973	11.097	11.180	11.275	11.391	11.489	11.560	11.622	0.6%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	1.503	1.530	1.559	1.591	1.624	1.659	1.696	1.735	1.777	1.820	1.864	1.910	1.958	2.3%
Jet Fuel 9/	1.205	1.223	1.230	1.238	1.246	1.254	1.263	1.272	1.282	1.293	1.307	1.324	1.344	1.7%
Motor Gasoline 2/	2.564	2.604	2.642	2.680	2.717	2.757	2.796	2.837	2.880	2.923	2.966	3.009	3.053	1.5%
Residual Fuel	0.186	0.187	0.188	0.189	0.189	0.190	0.191	0.192	0.193	0.194	0.195	0.196	0.197	0.5%
Liquefied Petroleum Gas	0.011	0.011	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.015	5.0%
Other Petroleum 10/	0.033	0.033	0.033	0.034	0.034	0.034	0.034	0.035	0.035	0.035	0.035	0.036	0.036	0.7%
Petroleum Subtotal	5.502	5.588	5.664	5.743	5.823	5.907	5.994	6.084	6.180	6.280	6.382	6.491	6.603	1.7%
Pipeline Fuel Natural Gas	0.179	0.179	0.177	0.176	0.175	0.175	0.174	0.171	0.170	0.168	0.167	0.165	0.164	-0.2%
Compressed Natural Gas	0.010	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.014	0.014	6.5%
Renewable Energy (E85) 11/	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	6.8%
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	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	1.3%
Delivered Energy	5.703	5.790	5.865	5.943	6.023	6.107	6.193	6.280	6.376	6.475	6.577	6.683	6.796	1.7%
Electricity Related Losses	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	-0.5%
Total	5.722	5.808	5.883	5.961	6.041	6.125	6.211	6.298	6.394	6.493	6.594	6.700	6.813	1.7%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.769	1.798	1.828	1.861	1.896	1.932	1.972	2.013	2.058	2.105	2.151	2.201	2.251	2.0%
Kerosene	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.0%
Jet Fuel 9/	1.205	1.223	1.230	1.238	1.246	1.254	1.263	1.272	1.282	1.293	1.307	1.324	1.344	1.7%
Liquefied Petroleum Gas	1.891	1.905	1.918	1.936	1.952	1.970	1.988	2.008	2.029	2.050	2.061	2.078	2.093	0.5%
Motor Gasoline 2/	2.618	2.657	2.696	2.734	2.772	2.811	2.851	2.893	2.936	2.979	3.022	3.066	3.110	1.5%
Petrochemical Feedstocks	0.737	0.744	0.747	0.751	0.755	0.760	0.765	0.770	0.776	0.782	0.787	0.794	0.801	0.4%
Residual Fuel	0.199	0.200	0.200	0.202	0.203	0.204	0.205	0.206	0.207	0.208	0.209	0.211	0.212	0.4%
Other Petroleum 12/	1.797	1.823	1.829	1.858	1.860	1.869	1.969	2.005	2.040	2.123	2.194	2.218	2.197	2.0%
Petroleum Subtotal	10.226	10.359	10.458	10.588	10.694	10.810	11.022	11.175	11.337	11.550	11.742	11.901	12.018	1.4%
Natural Gas	4.262	4.278	4.327	4.327	4.367	4.420	4.422	4.453	4.485	4.495	4.515	4.553	4.627	0.7%
Lease and Plant Fuel 6/	0.570	0.567	0.559	0.553	0.549	0.548	0.542	0.531	0.527	0.520	0.513	0.506	0.501	-0.2%
Pipeline Natural Gas	0.179	0.179	0.177	0.176	0.175	0.175	0.174	0.171	0.170	0.168	0.167	0.165	0.164	-0.2%
Natural Gas Subtotal	5.011	5.024	5.063	5.056	5.092	5.143	5.138	5.155	5.182	5.183	5.195	5.224	5.292	0.6%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Other Coal	0.096	0.096	0.096	0.096	0.096	0.097	0.097	0.097	0.097	0.097	0.097	0.098	0.098	0.2%
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.096	0.096	0.096	0.096	0.096	0.097	0.097	0.097	0.097	0.097	0.097	0.098	0.098	0.2%
Renewable Energy 13/	0.331	0.335	0.338	0.342	0.346	0.350	0.354	0.359	0.363	0.368	0.373	0.378	0.383	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	0.000	0.000	N/A
Electricity	2.203	2.234	2.261	2.294	2.323	2.351	2.392	2.425	2.463	2.503	2.547	2.586	2.620	1.6%
Delivered Energy	17.867	18.048	18.217	18.377	18.551	18.751	19.003	19.211	19.443	19.702	19.954	20.187	20.412	1.2%
Electricity Related Losses	3.548	3.556	3.535	3.509	3.486	3.434	3.416	3.404	3.392	3.366	3.340	3.291	3.283	-0.2%
Total	21.414	21.604	21.752	21.886	22.036	22.185	22.419	22.615	22.835	23.068	23.294	23.478	23.695	1.0%
Electric Power 14/														
Distillate Fuel	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	3.5%
Residual Fuel	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-14.1%
Petroleum Subtotal	0.026	0.025	0.025	0.025	0.026	0.025	0.025	0.025	0.025	0.025	0.026	0.026	0.026	-3.2%
Natural Gas	2.166	2.198	2.195	2.203	2.205	2.190	2.182	2.186	2.204	2.164	2.066	1.971	1.960	0.1%
Steam Coal	2.498	2.509	2.516	2.515	2.517	2.507	2.529	2.541	2.539	2.589	2.690	2.774	2.807	0.6%
Nuclear Power	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.2%
Renewable Energy/Other 15/	0.295	0.292	0.295	0.295	0.296	0.298	0.307	0.312	0.322	0.326	0.341	0.342	0.345	4.9%
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.9%
Total	5.750	5.789	5.796	5.803	5.808	5.786	5.808	5.829	5.855	5.869	5.887	5.878	5.903	0.5%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	1.793	1.821	1.852	1.885	1.920	1.956	1.996	2.037	2.083	2.129	2.176	2.225	2.276	2.0%
Kerosene	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.0%
Jet Fuel 9/	1.205	1.223	1.230	1.238	1.246	1.254	1.263	1.272	1.282	1.293	1.307	1.324	1.344	1.7%
Liquefied Petroleum Gas	1.891	1.905	1.918	1.936	1.952	1.970	1.988	2.008	2.029	2.050	2.061	2.078	2.093	0.5%
Motor Gasoline 2/	2.618	2.657	2.696	2.734	2.772	2.811	2.851	2.893	2.936	2.979	3.022	3.066	3.110	1.5%
Petrochemical Feedstocks	0.737	0.744	0.747	0.751	0.755	0.760	0.765	0.770	0.776	0.782	0.787	0.794	0.801	0.4%
Residual Fuel	0.201	0.202	0.202	0.203	0.204	0.205	0.206	0.207	0.208	0.209	0.210	0.212	0.213	-0.4%
Other Petroleum 12/	1.797	1.823	1.829	1.858	1.860	1.869	1.969	2.005	2.040	2.123	2.194	2.218	2.197	2.0%
Petroleum Subtotal	10.252	10.384	10.484	10.614	10.719	10.835	11.047	11.201	11.362	11.575	11.767	11.926	12.043	1.4%
Natural Gas	6.429	6.476	6.523	6.531	6.573	6.611	6.604	6.640	6.689	6.660	6.581	6.525	6.588	0.5%
Lease and Plant Fuel 6/	0.570	0.567	0.559	0.553	0.549	0.548	0.542	0.531	0.527	0.520	0.513	0.506	0.501	-0.2%
Pipeline Natural Gas	0.179	0.179	0.177	0.176	0.175	0.175	0.174	0.171	0.170	0.168	0.167	0.165	0.164	-0.2%
Natural Gas Subtotal	7.177	7.222	7.259	7.260	7.297	7.334	7.320	7.341	7.386	7.347	7.261	7.195	7.253	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	2.594	2.606	2.612	2.611	2.614	2.604	2.625	2.637	2.636	2.686	2.787	2.872	2.905	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	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	2.594	2.606	2.612	2.611	2.614	2.604	2.625	2.637	2.636	2.686	2.787	2.872	2.905	0.6%
Nuclear Power	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.2%
Renewable Energy 16/	0.626	0.627	0.633	0.637	0.641	0.648	0.662	0.670	0.686	0.694	0.714	0.720	0.728	2.5%
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	N/A
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.9%
Total	21.414	21.604	21.752	21.886	22.036	22.185	22.419	22.615	22.835	23.068	23.294	23.478	23.695	1.0%
Energy Use and Related Statistics														
Delivered Energy Use	17.867	18.048	18.217	18.377	18.551	18.751	19.003	19.211	19.443	19.702	19.954	20.187	20.412	1.2%
Total Energy Use	21.414	21.604	21.752	21.886	22.036	22.185	22.419	22.615	22.835	23.068	23.294	23.478	23.695	1.0%
Population (millions)	39.369	39.825	40.287	40.756	41.235	41.725	42.226	42.738	43.257	43.784	44.319	44.862	45.413	1.2%
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 7. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)
West South Central

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.

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

Mountain	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Consumption															
Residential															
Distillate Fuel	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Kerosene	0.002	0.003	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Liquefied Petroleum Gas	0.041	0.045	0.044	0.044	0.044	0.046	0.046	0.048	0.048	0.049	0.050	0.051	0.052	0.053	0.054
Petroleum Subtotal	0.048	0.053	0.052	0.053	0.052	0.053	0.054	0.055	0.056	0.057	0.058	0.059	0.059	0.060	0.061
Natural Gas	0.350	0.362	0.370	0.384	0.389	0.400	0.409	0.419	0.430	0.440	0.447	0.456	0.467	0.481	0.490
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Renewable Energy 1/ Electricity	0.276	0.282	0.291	0.298	0.305	0.315	0.323	0.332	0.341	0.350	0.357	0.365	0.374	0.384	0.392
Delivered Energy	0.696	0.722	0.739	0.763	0.775	0.796	0.814	0.834	0.854	0.874	0.889	0.906	0.927	0.951	0.969
Electricity Related Losses	0.907	0.956	0.982	0.993	1.008	1.027	1.097	1.116	1.139	1.155	1.162	1.171	1.195	1.248	1.292
Total	1.604	1.678	1.721	1.756	1.784	1.823	1.911	1.950	1.993	2.029	2.051	2.077	2.122	2.199	2.261
Commercial															
Distillate Fuel	0.020	0.021	0.022	0.020	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.021	0.022
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquefied Petroleum Gas	0.007	0.007	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/ Petroleum Subtotal	0.029	0.031	0.031	0.028	0.028	0.029	0.029	0.029	0.029	0.030	0.030	0.030	0.030	0.031	0.031
Natural Gas	0.220	0.214	0.215	0.213	0.214	0.218	0.223	0.229	0.235	0.241	0.246	0.251	0.258	0.267	0.274
Coal	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Renewable Energy 3/ Electricity	0.285	0.289	0.299	0.304	0.313	0.324	0.334	0.345	0.355	0.366	0.376	0.386	0.396	0.407	0.419
Delivered Energy	0.547	0.547	0.559	0.558	0.569	0.584	0.600	0.616	0.633	0.650	0.665	0.680	0.698	0.718	0.737
Electricity Related Losses	0.936	0.979	1.008	1.011	1.035	1.056	1.134	1.158	1.188	1.208	1.225	1.238	1.264	1.324	1.382
Total	1.483	1.526	1.566	1.569	1.604	1.641	1.734	1.774	1.821	1.858	1.890	1.918	1.962	2.042	2.119
Industrial 4/															
Distillate Fuel	0.117	0.124	0.130	0.129	0.129	0.129	0.129	0.130	0.131	0.131	0.133	0.134	0.135	0.137	0.138
Liquefied Petroleum Gas	0.021	0.021	0.020	0.020	0.023	0.023	0.023	0.023	0.023	0.024	0.026	0.023	0.023	0.024	0.024
Petrochemical Feedstocks	0.017	0.018	0.017	0.017	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.020	0.019	0.019
Residual Fuel	0.001	0.001	0.001	0.001	0.000	0.006	0.006	0.005	0.007	0.007	0.005	0.005	0.004	0.005	0.006
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.366	0.378	0.380	0.382	0.406	0.416	0.417	0.423	0.435	0.442	0.450	0.455	0.461	0.469	0.475
Natural Gas	0.245	0.255	0.243	0.250	0.258	0.262	0.271	0.276	0.275	0.276	0.275	0.278	0.281	0.284	0.286
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.432	0.447	0.462	0.469	0.473	0.479	0.485	0.490	0.489	0.493	0.496	0.501	0.499	0.498	0.504
Metallurgical Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Other Industrial Coal	0.096	0.092	0.092	0.094	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.097
Coal-to-Liquids Heat and Power Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.041	0.062	0.072	0.081	0.091	0.109
Coal Subtotal	0.097	0.092	0.093	0.095	0.097	0.097	0.097	0.097	0.118	0.138	0.159	0.168	0.178	0.188	0.206
Renewable Energy 7/ Electricity	0.038	0.041	0.040	0.041	0.043	0.044	0.045	0.046	0.047	0.048	0.049	0.050	0.051	0.052	0.053
Delivered Energy	1.164	1.188	1.210	1.225	1.260	1.279	1.289	1.304	1.340	1.376	1.412	1.435	1.454	1.475	1.510
Electricity Related Losses	0.758	0.781	0.793	0.794	0.796	0.794	0.833	0.834	0.842	0.842	0.841	0.838	0.845	0.872	0.899
Total	1.922	1.969	2.003	2.019	2.056	2.074	2.122	2.138	2.183	2.218	2.253	2.273	2.299	2.347	2.409

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

Mountain	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	0.469	0.490	0.496	0.513	0.532	0.548	0.565	0.583	0.600	0.615	0.629	0.642	0.655	0.670	0.685
Jet Fuel 9/	0.204	0.210	0.210	0.217	0.225	0.231	0.238	0.247	0.255	0.260	0.265	0.269	0.274	0.278	0.284
Motor Gasoline 2/	1.107	1.128	1.131	1.147	1.163	1.180	1.204	1.238	1.262	1.289	1.314	1.341	1.364	1.391	1.416
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquefied Petroleum Gas	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006
Other Petroleum 10/	0.011	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Petroleum Subtotal	1.793	1.842	1.854	1.893	1.935	1.975	2.025	2.085	2.135	2.183	2.227	2.272	2.313	2.359	2.405
Pipeline Fuel Natural Gas	0.109	0.110	0.109	0.107	0.103	0.101	0.098	0.096	0.095	0.097	0.099	0.101	0.098	0.096	0.097
Compressed Natural Gas	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008
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	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	0.000	0.000
Electricity	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
Delivered Energy	1.910	1.960	1.972	2.008	2.048	2.087	2.133	2.192	2.243	2.292	2.339	2.386	2.425	2.470	2.518
Electricity Related Losses	0.018	0.019	0.019	0.019	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.023	0.024
Total	1.928	1.979	1.991	2.028	2.067	2.106	2.154	2.213	2.264	2.314	2.361	2.408	2.447	2.493	2.541
Delivered Energy Consumption, All Sectors															
Distillate Fuel	0.610	0.640	0.653	0.667	0.684	0.701	0.719	0.738	0.755	0.771	0.786	0.801	0.815	0.831	0.848
Kerosene	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Jet Fuel 9/	0.204	0.210	0.210	0.217	0.225	0.231	0.238	0.247	0.255	0.260	0.265	0.269	0.274	0.278	0.284
Liquefied Petroleum Gas	0.071	0.075	0.074	0.074	0.078	0.079	0.080	0.082	0.084	0.086	0.089	0.087	0.088	0.090	0.091
Motor Gasoline 2/	1.137	1.158	1.162	1.179	1.194	1.212	1.236	1.270	1.295	1.322	1.347	1.374	1.397	1.424	1.449
Petrochemical Feedstocks	0.017	0.018	0.017	0.017	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.020	0.019	0.019
Residual Fuel	0.002	0.001	0.001	0.001	0.000	0.006	0.006	0.005	0.007	0.007	0.006	0.005	0.004	0.005	0.006
Other Petroleum 12/	0.193	0.197	0.196	0.197	0.219	0.223	0.223	0.229	0.238	0.243	0.249	0.257	0.262	0.266	0.270
Petroleum Subtotal	2.236	2.304	2.318	2.356	2.422	2.474	2.525	2.593	2.656	2.712	2.764	2.816	2.864	2.918	2.971
Natural Gas	0.817	0.832	0.830	0.850	0.864	0.884	0.908	0.928	0.945	0.962	0.974	0.991	1.014	1.039	1.057
Lease and Plant Fuel 6/	0.187	0.192	0.219	0.218	0.215	0.216	0.214	0.215	0.214	0.217	0.221	0.224	0.218	0.214	0.218
Pipeline Natural Gas	0.109	0.110	0.109	0.107	0.103	0.101	0.098	0.096	0.095	0.097	0.099	0.101	0.098	0.096	0.097
Natural Gas Subtotal	1.113	1.134	1.158	1.175	1.182	1.201	1.220	1.239	1.254	1.276	1.295	1.315	1.330	1.349	1.372
Metallurgical Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Other Coal	0.107	0.103	0.104	0.105	0.108	0.108	0.107	0.107	0.108	0.108	0.107	0.107	0.107	0.108	0.108
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.041	0.062	0.072	0.081	0.091	0.109
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	0.107	0.104	0.104	0.106	0.108	0.108	0.108	0.108	0.129	0.149	0.170	0.180	0.189	0.199	0.217
Renewable Energy 13/	0.064	0.069	0.069	0.072	0.074	0.075	0.075	0.076	0.077	0.078	0.079	0.080	0.081	0.082	0.083
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	0.797	0.806	0.830	0.846	0.866	0.889	0.909	0.931	0.954	0.977	0.997	1.018	1.041	1.066	1.090
Delivered Energy	4.317	4.416	4.480	4.555	4.652	4.747	4.837	4.947	5.070	5.192	5.305	5.408	5.504	5.615	5.733
Electricity Related Losses	2.620	2.735	2.802	2.817	2.858	2.898	3.084	3.129	3.191	3.227	3.250	3.268	3.326	3.467	3.597
Total	6.937	7.151	7.281	7.372	7.511	7.644	7.921	8.076	8.261	8.419	8.554	8.676	8.830	9.081	9.330
Electric Power 14/															
Distillate Fuel	0.005	0.006	0.010	0.010	0.010	0.010	0.011	0.012	0.011	0.011	0.012	0.014	0.014	0.015	0.017
Residual Fuel	0.004	0.005	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
Petroleum Subtotal	0.009	0.011	0.017	0.017	0.017	0.017	0.019	0.019	0.019	0.019	0.019	0.021	0.021	0.023	0.024
Natural Gas	0.435	0.512	0.638	0.611	0.601	0.621	0.590	0.599	0.631	0.690	0.732	0.772	0.815	0.832	0.807
Steam Coal	2.265	2.305	2.251	2.249	2.297	2.336	2.570	2.627	2.679	2.678	2.678	2.676	2.713	2.859	3.033
Nuclear Power	0.308	0.319	0.318	0.326	0.333	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
Renewable Energy/Other 15/	0.398	0.394	0.405	0.458	0.475	0.476	0.478	0.478	0.479	0.480	0.480	0.480	0.481	0.482	0.486
Electricity Imports	0.001	0.001	0.003	0.002	0.001	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.002	0.002
Total	3.416	3.541	3.632	3.663	3.724	3.786	3.994	4.060	4.145	4.204	4.246	4.286	4.367	4.533	4.687

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

Mountain	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	0.615	0.646	0.663	0.676	0.694	0.711	0.730	0.749	0.767	0.783	0.798	0.815	0.829	0.847	0.865
Kerosene	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Jet Fuel 9/	0.204	0.210	0.210	0.217	0.225	0.231	0.238	0.247	0.255	0.260	0.265	0.269	0.274	0.278	0.284
Liquefied Petroleum Gas	0.071	0.075	0.074	0.074	0.078	0.079	0.080	0.082	0.084	0.086	0.089	0.087	0.088	0.090	0.091
Motor Gasoline 2/	1.137	1.158	1.162	1.179	1.194	1.212	1.236	1.270	1.295	1.322	1.347	1.374	1.397	1.424	1.449
Petrochemical Feedstocks	0.017	0.018	0.017	0.017	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.020	0.019	0.019
Residual Fuel	0.006	0.006	0.009	0.009	0.008	0.013	0.014	0.013	0.014	0.014	0.013	0.012	0.012	0.013	0.013
Other Petroleum 12/	0.193	0.197	0.196	0.197	0.219	0.223	0.223	0.229	0.238	0.243	0.249	0.257	0.262	0.266	0.270
Petroleum Subtotal	2.246	2.315	2.335	2.372	2.439	2.491	2.543	2.612	2.675	2.730	2.783	2.837	2.885	2.941	2.995
Natural Gas	1.252	1.344	1.468	1.461	1.465	1.504	1.498	1.527	1.576	1.652	1.707	1.763	1.829	1.871	1.864
Lease and Plant Fuel 6/	0.187	0.192	0.219	0.218	0.215	0.216	0.214	0.215	0.214	0.217	0.221	0.224	0.218	0.214	0.218
Pipeline Natural Gas	0.109	0.110	0.109	0.107	0.103	0.101	0.098	0.096	0.095	0.097	0.099	0.101	0.098	0.096	0.097
Natural Gas Subtotal	1.548	1.645	1.796	1.786	1.783	1.822	1.810	1.838	1.885	1.966	2.027	2.087	2.145	2.181	2.180
Metallurgical Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Other Coal	2.371	2.408	2.355	2.355	2.405	2.444	2.677	2.734	2.786	2.786	2.785	2.783	2.820	2.967	3.141
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.041	0.062	0.072	0.081	0.091	0.109
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	2.372	2.409	2.356	2.355	2.406	2.444	2.678	2.735	2.808	2.828	2.848	2.856	2.902	3.059	3.250
Nuclear Power	0.308	0.319	0.318	0.326	0.333	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
Renewable Energy 16/	0.461	0.462	0.474	0.531	0.548	0.551	0.554	0.554	0.556	0.558	0.559	0.560	0.561	0.563	0.569
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	0.001	0.001	0.003	0.002	0.001	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.002	0.002
Total	6.937	7.151	7.281	7.372	7.511	7.644	7.921	8.076	8.261	8.419	8.554	8.676	8.830	9.081	9.330
Energy Use and Related Statistics															
Delivered Energy Use	4.317	4.416	4.480	4.555	4.652	4.747	4.837	4.947	5.070	5.192	5.305	5.408	5.504	5.615	5.733
Total Energy Use	6.937	7.151	7.281	7.372	7.511	7.644	7.921	8.076	8.261	8.419	8.554	8.676	8.830	9.081	9.330
Population (millions)	19.427	19.829	20.166	20.506	20.850	21.196	21.547	21.903	22.263	22.628	22.999	23.375	23.757	24.144	24.535
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

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	-4.0%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.5%
Liquefied Petroleum Gas	0.055	0.055	0.056	0.057	0.057	0.058	0.059	0.060	0.061	0.061	0.062	0.062	0.063	1.4%
Petroleum Subtotal	0.061	0.062	0.063	0.063	0.063	0.064	0.065	0.065	0.066	0.066	0.067	0.067	0.068	1.0%
Natural Gas	0.498	0.506	0.515	0.521	0.528	0.535	0.544	0.550	0.557	0.564	0.573	0.578	0.584	1.9%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.6%
Renewable Energy 1/ Electricity	0.206	0.206	0.206	0.206	0.206	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.2%
Delivered Energy	0.400	0.408	0.417	0.424	0.432	0.440	0.449	0.457	0.465	0.474	0.484	0.492	0.501	2.2%
Electricity Related Losses	0.987	1.002	1.021	1.034	1.050	1.066	1.085	1.098	1.115	1.131	1.150	1.163	1.179	1.9%
Total	1.334	1.365	1.402	1.423	1.465	1.499	1.543	1.582	1.633	1.684	1.731	1.763	1.798	2.5%
Total	2.320	2.368	2.423	2.457	2.514	2.565	2.627	2.680	2.747	2.816	2.881	2.926	2.977	2.2%
Commercial														
Distillate Fuel	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.025	0.5%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-1.4%
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.1%
Liquefied Petroleum Gas	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%
Motor Gasoline 2/ Petroleum Subtotal	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	0.8%
Natural Gas	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.033	0.033	0.033	0.033	0.034	0.034	0.4%
Coal	0.279	0.283	0.288	0.293	0.298	0.304	0.310	0.316	0.322	0.328	0.334	0.341	0.347	1.9%
Coal	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	N/A
Renewable Energy 3/ Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.0%
Delivered Energy	0.431	0.442	0.453	0.465	0.477	0.491	0.504	0.518	0.532	0.546	0.561	0.576	0.591	2.8%
Electricity Related Losses	0.754	0.769	0.786	0.803	0.821	0.841	0.861	0.880	0.901	0.921	0.942	0.965	0.985	2.3%
Total	1.435	1.477	1.522	1.561	1.620	1.674	1.732	1.795	1.867	1.940	2.005	2.065	2.122	3.0%
Total	2.189	2.246	2.307	2.364	2.442	2.515	2.593	2.675	2.768	2.861	2.948	3.030	3.108	2.8%
Industrial 4/														
Distillate Fuel	0.139	0.141	0.142	0.144	0.146	0.147	0.149	0.152	0.155	0.157	0.159	0.162	0.165	1.1%
Liquefied Petroleum Gas	0.024	0.029	0.028	0.031	0.035	0.038	0.034	0.033	0.031	0.035	0.037	0.025	0.045	3.0%
Petrochemical Feedstocks	0.019	0.019	0.019	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.0%
Residual Fuel	0.007	0.004	0.007	0.007	0.007	0.005	0.007	0.007	0.007	0.007	0.008	0.008	0.008	7.4%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.032	0.032	0.032	0.032	0.033	0.033	0.033	0.033	0.034	0.034	0.034	0.034	0.034	0.6%
Natural Gas	0.257	0.262	0.268	0.271	0.274	0.277	0.286	0.293	0.299	0.303	0.314	0.329	0.315	2.1%
Coal	0.479	0.487	0.497	0.503	0.513	0.518	0.528	0.536	0.543	0.554	0.571	0.576	0.585	1.7%
Natural Gas	0.288	0.288	0.288	0.291	0.292	0.295	0.299	0.304	0.310	0.311	0.310	0.315	0.319	0.9%
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.221	0.227	0.228	0.231	0.233	0.235	0.239	0.241	0.243	0.246	0.248	0.251	0.255	1.1%
Metallurgical Coal	0.509	0.515	0.517	0.522	0.525	0.530	0.538	0.545	0.553	0.557	0.558	0.566	0.573	1.0%
Other Industrial Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1.3%
Coal-to-Liquids Heat and Power	0.097	0.097	0.097	0.098	0.098	0.098	0.099	0.099	0.100	0.100	0.101	0.101	0.102	0.4%
Net Coal Coke Imports	0.126	0.143	0.168	0.191	0.219	0.234	0.246	0.264	0.284	0.297	0.318	0.325	0.326	N/A
Coal Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Renewable Energy 7/ Electricity	0.224	0.241	0.267	0.290	0.317	0.333	0.346	0.364	0.384	0.398	0.420	0.427	0.429	6.1%
Delivered Energy	0.055	0.056	0.057	0.059	0.060	0.062	0.063	0.065	0.067	0.068	0.070	0.072	0.074	2.3%
Electricity Related Losses	0.277	0.280	0.284	0.288	0.292	0.297	0.302	0.307	0.313	0.319	0.325	0.330	0.337	1.5%
Total	1.543	1.580	1.621	1.661	1.707	1.740	1.775	1.816	1.860	1.896	1.943	1.972	1.997	2.0%
Total	0.921	0.938	0.954	0.967	0.991	1.011	1.036	1.064	1.097	1.131	1.160	1.184	1.209	1.7%
Total	2.464	2.517	2.575	2.628	2.699	2.751	2.811	2.880	2.957	3.027	3.103	3.156	3.206	1.9%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	0.700	0.715	0.731	0.748	0.766	0.784	0.804	0.825	0.847	0.870	0.893	0.917	0.942	2.5%
Jet Fuel 9/	0.289	0.293	0.295	0.297	0.300	0.302	0.304	0.307	0.309	0.312	0.315	0.319	0.324	1.7%
Motor Gasoline 2/	1.444	1.473	1.502	1.527	1.553	1.581	1.610	1.640	1.669	1.699	1.729	1.757	1.787	1.8%
Residual Fuel	0.000	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
Liquefied Petroleum Gas	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	5.5%
Other Petroleum 10/	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.016	0.9%
Petroleum Subtotal	2.454	2.502	2.549	2.594	2.641	2.690	2.742	2.795	2.849	2.905	2.961	3.018	3.077	2.0%
Pipeline Fuel Natural Gas	0.099	0.101	0.101	0.102	0.102	0.103	0.104	0.105	0.106	0.106	0.107	0.108	0.109	0.0%
Compressed Natural Gas	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.011	0.012	0.012	0.012	7.6%
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	7.1%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	1.7%
Delivered Energy	2.569	2.620	2.667	2.714	2.761	2.811	2.865	2.919	2.975	3.032	3.089	3.148	3.208	1.9%
Electricity Related Losses	0.024	0.025	0.025	0.026	0.026	0.027	0.028	0.028	0.029	0.030	0.031	0.031	0.032	1.9%
Total	2.593	2.644	2.693	2.739	2.788	2.838	2.892	2.947	3.004	3.062	3.120	3.179	3.240	1.9%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.865	0.882	0.899	0.917	0.937	0.957	0.980	1.002	1.027	1.053	1.078	1.105	1.133	2.2%
Kerosene	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.4%
Jet Fuel 9/	0.289	0.293	0.295	0.297	0.300	0.302	0.304	0.307	0.309	0.312	0.315	0.319	0.324	1.7%
Liquefied Petroleum Gas	0.092	0.098	0.098	0.102	0.107	0.111	0.108	0.108	0.107	0.112	0.114	0.104	0.124	1.9%
Motor Gasoline 2/	1.478	1.507	1.535	1.561	1.588	1.615	1.645	1.675	1.705	1.735	1.764	1.793	1.823	1.8%
Petrochemical Feedstocks	0.019	0.019	0.019	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.0%
Residual Fuel	0.007	0.004	0.007	0.007	0.007	0.005	0.007	0.007	0.007	0.008	0.008	0.008	0.008	6.8%
Other Petroleum 12/	0.271	0.276	0.283	0.285	0.289	0.292	0.301	0.308	0.314	0.318	0.330	0.345	0.331	2.0%
Petroleum Subtotal	3.025	3.083	3.140	3.192	3.250	3.304	3.366	3.429	3.491	3.559	3.632	3.696	3.764	1.9%
Natural Gas	1.074	1.085	1.100	1.113	1.128	1.145	1.163	1.180	1.199	1.215	1.228	1.246	1.262	1.6%
Lease and Plant Fuel 6/	0.221	0.227	0.228	0.231	0.233	0.235	0.239	0.241	0.243	0.246	0.248	0.251	0.255	1.1%
Pipeline Natural Gas	0.099	0.101	0.101	0.102	0.102	0.103	0.104	0.105	0.106	0.106	0.107	0.108	0.109	0.0%
Natural Gas Subtotal	1.394	1.413	1.429	1.447	1.463	1.483	1.506	1.526	1.549	1.567	1.583	1.604	1.626	1.4%
Metallurgical Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1.3%
Other Coal	0.108	0.108	0.109	0.109	0.109	0.109	0.110	0.110	0.111	0.111	0.112	0.112	0.113	0.4%
Coal-to-Liquids Heat and Power	0.126	0.143	0.168	0.191	0.219	0.234	0.246	0.264	0.284	0.297	0.318	0.325	0.326	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	0.235	0.253	0.278	0.301	0.328	0.344	0.357	0.375	0.395	0.409	0.431	0.438	0.440	5.7%
Renewable Energy 13/	0.085	0.086	0.087	0.089	0.090	0.091	0.093	0.095	0.096	0.098	0.100	0.102	0.104	1.6%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.114	1.137	1.162	1.184	1.209	1.235	1.263	1.289	1.319	1.348	1.378	1.407	1.437	2.2%
Delivered Energy	5.853	5.971	6.095	6.212	6.340	6.458	6.585	6.714	6.850	6.981	7.124	7.248	7.370	2.0%
Electricity Related Losses	3.714	3.804	3.903	3.977	4.103	4.211	4.338	4.469	4.626	4.785	4.927	5.043	5.161	2.5%
Total	9.567	9.776	9.998	10.189	10.442	10.668	10.924	11.183	11.476	11.766	12.051	12.290	12.531	2.2%
Electric Power 14/														
Distillate Fuel	0.019	0.020	0.021	0.023	0.024	0.027	0.029	0.032	0.034	0.036	0.039	0.041	0.042	7.6%
Residual Fuel	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	1.6%
Petroleum Subtotal	0.026	0.027	0.029	0.030	0.032	0.035	0.036	0.039	0.041	0.044	0.046	0.048	0.049	5.9%
Natural Gas	0.775	0.747	0.704	0.666	0.609	0.559	0.529	0.498	0.473	0.451	0.437	0.424	0.414	-0.8%
Steam Coal	3.197	3.327	3.478	3.600	3.798	3.966	4.135	4.303	4.497	4.698	4.880	5.036	5.195	3.2%
Nuclear Power	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.2%
Renewable Energy/Other 15/	0.495	0.505	0.518	0.530	0.536	0.551	0.565	0.582	0.598	0.605	0.606	0.606	0.605	1.7%
Electricity Imports	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.9%
Total	4.828	4.942	5.064	5.161	5.311	5.446	5.601	5.759	5.945	6.133	6.305	6.450	6.598	2.4%

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

Mountain	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	0.883	0.902	0.920	0.940	0.961	0.985	1.008	1.034	1.061	1.089	1.117	1.146	1.175	2.3%
Kerosene	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.4%
Jet Fuel 9/	0.289	0.293	0.295	0.297	0.300	0.302	0.304	0.307	0.309	0.312	0.315	0.319	0.324	1.7%
Liquefied Petroleum Gas	0.092	0.098	0.098	0.102	0.107	0.111	0.108	0.108	0.107	0.112	0.114	0.104	0.124	1.9%
Motor Gasoline 2/	1.478	1.507	1.535	1.561	1.588	1.615	1.645	1.675	1.705	1.735	1.764	1.793	1.823	1.8%
Petrochemical Feedstocks	0.019	0.019	0.019	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.0%
Residual Fuel	0.014	0.012	0.014	0.014	0.015	0.013	0.015	0.015	0.015	0.015	0.015	0.015	0.015	3.5%
Other Petroleum 12/	0.271	0.276	0.283	0.285	0.289	0.292	0.301	0.308	0.314	0.318	0.330	0.345	0.331	2.0%
Petroleum Subtotal	3.051	3.110	3.169	3.222	3.282	3.339	3.402	3.468	3.532	3.603	3.678	3.743	3.812	1.9%
Natural Gas	1.848	1.832	1.804	1.779	1.737	1.704	1.693	1.678	1.672	1.666	1.666	1.670	1.676	0.9%
Lease and Plant Fuel 6/	0.221	0.227	0.228	0.231	0.233	0.235	0.239	0.241	0.243	0.246	0.248	0.251	0.255	1.1%
Pipeline Natural Gas	0.099	0.101	0.101	0.102	0.102	0.103	0.104	0.105	0.106	0.106	0.107	0.108	0.109	0.0%
Natural Gas Subtotal	2.168	2.159	2.133	2.112	2.072	2.042	2.036	2.025	2.022	2.018	2.021	2.029	2.040	0.8%
Metallurgical Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1.3%
Other Coal	3.305	3.435	3.586	3.709	3.907	4.075	4.245	4.414	4.608	4.809	4.992	5.149	5.308	3.1%
Coal-to-Liquids Heat and Power	0.126	0.143	0.168	0.191	0.219	0.234	0.246	0.264	0.284	0.297	0.318	0.325	0.326	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	3.432	3.579	3.755	3.901	4.127	4.309	4.492	4.678	4.892	5.107	5.311	5.475	5.634	3.3%
Nuclear Power	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.2%
Renewable Energy 16/	0.579	0.591	0.605	0.618	0.626	0.642	0.658	0.676	0.694	0.702	0.706	0.707	0.708	1.7%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.9%
Total	9.567	9.776	9.998	10.189	10.442	10.668	10.924	11.183	11.476	11.766	12.051	12.290	12.531	2.2%
Energy Use and Related Statistics														
Delivered Energy Use	5.853	5.971	6.095	6.212	6.340	6.458	6.585	6.714	6.850	6.981	7.124	7.248	7.370	2.0%
Total Energy Use	9.567	9.776	9.998	10.189	10.442	10.668	10.924	11.183	11.476	11.766	12.051	12.290	12.531	2.2%
Population (millions)	24.931	25.333	25.738	26.150	26.568	26.993	27.423	27.861	28.302	28.748	29.198	29.652	30.111	1.6%
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 8. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)
Mountain

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.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Consumption															
Residential															
Distillate Fuel	0.025	0.027	0.028	0.026	0.025	0.025	0.024	0.024	0.024	0.023	0.023	0.022	0.022	0.021	0.021
Kerosene	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Liquefied Petroleum Gas	0.023	0.024	0.025	0.025	0.028	0.030	0.031	0.031	0.031	0.031	0.032	0.032	0.033	0.036	0.038
Petroleum Subtotal	0.050	0.054	0.055	0.054	0.055	0.058	0.058	0.058	0.057	0.058	0.057	0.057	0.058	0.060	0.062
Natural Gas	0.657	0.653	0.672	0.681	0.684	0.693	0.700	0.709	0.718	0.727	0.731	0.736	0.745	0.756	0.761
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Renewable Energy 1/ Electricity	0.068	0.072	0.079	0.085	0.085	0.084	0.083	0.083	0.083	0.083	0.083	0.083	0.084	0.084	0.084
Delivered Energy	0.464	0.470	0.478	0.487	0.493	0.504	0.512	0.521	0.529	0.539	0.546	0.554	0.563	0.572	0.578
Electricity Related Losses	1.239	1.249	1.284	1.308	1.318	1.340	1.354	1.372	1.388	1.407	1.417	1.432	1.450	1.473	1.486
Total	0.740	0.736	0.699	0.741	0.777	0.796	0.772	0.796	0.784	0.818	0.835	0.856	0.870	0.871	0.866
Total	1.979	1.985	1.983	2.049	2.095	2.136	2.127	2.167	2.172	2.225	2.252	2.288	2.320	2.343	2.352
Commercial															
Distillate Fuel	0.037	0.040	0.041	0.037	0.037	0.037	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.039	0.039
Residual Fuel	0.002	0.002	0.001	0.002	0.003	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	0.001	0.001
Liquefied Petroleum Gas	0.005	0.005	0.005	0.005	0.008	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.006	0.007	0.007
Motor Gasoline 2/ Petroleum Subtotal	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Natural Gas	0.051	0.055	0.054	0.052	0.055	0.053	0.053	0.053	0.053	0.054	0.054	0.054	0.054	0.056	0.056
Coal	0.366	0.348	0.352	0.344	0.342	0.346	0.350	0.355	0.362	0.368	0.373	0.379	0.387	0.395	0.402
Renewable Energy 3/ Electricity	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Delivered Energy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Electricity Related Losses	0.546	0.555	0.563	0.573	0.590	0.608	0.624	0.638	0.653	0.668	0.684	0.698	0.713	0.729	0.745
Total	0.978	0.974	0.986	0.985	1.004	1.023	1.044	1.063	1.085	1.107	1.128	1.148	1.172	1.197	1.219
Total	0.871	0.868	0.824	0.873	0.930	0.961	0.941	0.975	0.967	1.015	1.046	1.080	1.103	1.110	1.115
Total	1.849	1.842	1.811	1.858	1.933	1.984	1.985	2.038	2.052	2.122	2.173	2.228	2.274	2.307	2.335
Industrial 4/															
Distillate Fuel	0.158	0.168	0.175	0.174	0.172	0.173	0.173	0.174	0.175	0.176	0.178	0.179	0.180	0.183	0.185
Liquefied Petroleum Gas	0.035	0.033	0.031	0.032	0.060	0.064	0.067	0.070	0.074	0.078	0.079	0.086	0.092	0.102	0.111
Petrochemical Feedstocks	0.012	0.012	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Residual Fuel	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.002	0.005	0.002	0.001	0.005	0.000	0.000	0.000
Motor Gasoline 2/ Petroleum Subtotal	0.036	0.037	0.037	0.038	0.038	0.038	0.039	0.039	0.039	0.039	0.039	0.039	0.040	0.040	0.040
Natural Gas	0.669	0.709	0.702	0.705	0.770	0.775	0.779	0.783	0.794	0.789	0.817	0.813	0.810	0.783	0.796
Coal	0.915	0.964	0.961	0.965	1.053	1.063	1.071	1.082	1.100	1.098	1.127	1.136	1.135	1.121	1.146
Lease and Plant Fuel 6/ Natural Gas Subtotal	0.884	0.907	0.866	0.892	0.875	0.900	0.914	0.925	0.928	0.926	0.918	0.929	0.950	0.978	0.980
Metallurgical Coal	0.353	0.340	0.298	0.290	0.281	0.279	0.275	0.271	0.270	0.271	0.272	0.274	0.327	0.379	0.388
Other Industrial Coal	1.237	1.247	1.165	1.182	1.156	1.179	1.189	1.196	1.198	1.197	1.190	1.203	1.277	1.357	1.368
Coal Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Coal-to-Liquids Heat and Power	0.049	0.047	0.047	0.048	0.051	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
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
Renewable Energy 7/ Electricity	0.049	0.047	0.047	0.048	0.051	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Delivered Energy	0.138	0.146	0.144	0.148	0.152	0.156	0.160	0.163	0.167	0.170	0.173	0.176	0.180	0.184	0.188
Electricity Related Losses	0.302	0.302	0.309	0.313	0.320	0.323	0.326	0.329	0.334	0.337	0.341	0.345	0.349	0.353	0.359
Total	2.640	2.706	2.625	2.656	2.732	2.772	2.796	2.821	2.849	2.851	2.881	2.910	2.991	3.065	3.110
Total	0.482	0.473	0.452	0.477	0.504	0.511	0.492	0.503	0.495	0.511	0.522	0.533	0.539	0.537	0.537
Total	3.122	3.179	3.077	3.133	3.236	3.283	3.288	3.324	3.344	3.362	3.402	3.443	3.530	3.602	3.647

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

Pacific	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	0.673	0.702	0.712	0.732	0.754	0.772	0.792	0.812	0.831	0.849	0.864	0.878	0.893	0.909	0.926
Jet Fuel 9/	0.851	0.874	0.876	0.899	0.931	0.954	0.980	1.015	1.049	1.068	1.086	1.102	1.117	1.133	1.153
Motor Gasoline 2/	2.484	2.530	2.538	2.560	2.629	2.670	2.719	2.778	2.820	2.861	2.901	2.947	2.983	3.026	3.065
Residual Fuel	0.213	0.228	0.247	0.248	0.244	0.240	0.236	0.232	0.232	0.233	0.234	0.234	0.235	0.236	0.236
Liquefied Petroleum Gas	0.003	0.005	0.007	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.013
Other Petroleum 10/	0.021	0.028	0.029	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.029	0.029
Petroleum Subtotal	4.245	4.368	4.409	4.473	4.594	4.672	4.764	4.875	4.972	5.050	5.124	5.201	5.267	5.345	5.421
Pipeline Fuel Natural Gas	0.027	0.027	0.031	0.030	0.028	0.028	0.024	0.023	0.023	0.024	0.025	0.026	0.026	0.109	0.117
Compressed Natural Gas	0.003	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.009	0.009	0.010	0.010	0.011	0.012	0.012
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
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	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016
Delivered Energy	4.289	4.412	4.458	4.523	4.642	4.721	4.810	4.920	5.018	5.100	5.175	5.254	5.363	5.482	5.567
Electricity Related Losses	0.022	0.022	0.020	0.021	0.022	0.023	0.022	0.022	0.022	0.023	0.023	0.024	0.024	0.024	0.024
Total	4.310	4.434	4.478	4.544	4.664	4.743	4.832	4.943	5.040	5.123	5.198	5.277	5.387	5.506	5.591
Delivered Energy Consumption, All Sectors															
Distillate Fuel	0.893	0.936	0.956	0.969	0.988	1.007	1.027	1.048	1.068	1.086	1.102	1.119	1.134	1.152	1.170
Kerosene	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Jet Fuel 9/	0.851	0.874	0.876	0.899	0.931	0.954	0.980	1.015	1.049	1.068	1.086	1.102	1.117	1.133	1.153
Liquefied Petroleum Gas	0.065	0.066	0.067	0.068	0.103	0.107	0.111	0.116	0.120	0.126	0.127	0.135	0.142	0.156	0.169
Motor Gasoline 2/	2.527	2.574	2.582	2.605	2.674	2.715	2.764	2.824	2.866	2.908	2.948	2.993	3.029	3.073	3.112
Petrochemical Feedstocks	0.012	0.012	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Residual Fuel	0.220	0.236	0.253	0.255	0.247	0.243	0.239	0.236	0.240	0.237	0.237	0.242	0.238	0.239	0.239
Other Petroleum 12/	0.690	0.737	0.730	0.732	0.797	0.803	0.807	0.811	0.822	0.817	0.845	0.841	0.837	0.811	0.824
Petroleum Subtotal	5.260	5.439	5.480	5.544	5.758	5.845	5.946	6.068	6.182	6.260	6.362	6.448	6.515	6.581	6.685
Natural Gas	1.909	1.912	1.894	1.922	1.906	1.946	1.972	1.998	2.016	2.030	2.031	2.054	2.094	2.140	2.154
Lease and Plant Fuel 6/	0.353	0.340	0.298	0.290	0.281	0.279	0.275	0.271	0.270	0.271	0.272	0.274	0.327	0.379	0.388
Pipeline Natural Gas	0.027	0.027	0.031	0.030	0.028	0.028	0.024	0.023	0.023	0.024	0.025	0.026	0.068	0.109	0.117
Natural Gas Subtotal	2.290	2.279	2.223	2.243	2.215	2.253	2.271	2.291	2.309	2.326	2.329	2.355	2.488	2.628	2.659
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	0.056	0.054	0.054	0.055	0.058	0.058	0.058	0.058	0.058	0.057	0.057	0.057	0.057	0.057	0.057
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	0.056	0.054	0.054	0.055	0.058	0.058	0.058	0.058	0.058	0.057	0.057	0.057	0.057	0.057	0.057
Renewable Energy 13/	0.216	0.229	0.233	0.243	0.248	0.251	0.254	0.257	0.261	0.265	0.268	0.271	0.275	0.279	0.284
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	1.325	1.341	1.364	1.387	1.417	1.450	1.476	1.502	1.531	1.559	1.586	1.612	1.641	1.670	1.699
Delivered Energy	9.147	9.342	9.354	9.472	9.696	9.856	10.005	10.176	10.340	10.466	10.600	10.743	10.975	11.216	11.383
Electricity Related Losses	2.114	2.098	1.996	2.112	2.233	2.290	2.228	2.296	2.268	2.366	2.425	2.494	2.536	2.542	2.542
Total	11.261	11.440	11.349	11.584	11.929	12.147	12.232	12.472	12.608	12.832	13.026	13.236	13.511	13.758	13.925
Electric Power 14/															
Distillate Fuel	0.007	0.005	0.016	0.014	0.015	0.014	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.015
Residual Fuel	0.032	0.032	0.091	0.093	0.093	0.095	0.097	0.098	0.100	0.105	0.107	0.114	0.114	0.116	0.118
Petroleum Subtotal	0.039	0.037	0.106	0.108	0.108	0.109	0.111	0.113	0.115	0.120	0.122	0.130	0.130	0.132	0.133
Natural Gas	0.857	0.921	0.767	0.686	0.699	0.761	0.690	0.701	0.671	0.752	0.803	0.843	0.881	0.873	0.859
Steam Coal	0.204	0.192	0.200	0.200	0.202	0.205	0.207	0.208	0.206	0.209	0.210	0.210	0.211	0.212	0.211
Nuclear Power	0.440	0.455	0.446	0.453	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454
Renewable Energy/Other 15/	1.892	1.840	1.850	2.060	2.192	2.219	2.251	2.334	2.365	2.402	2.434	2.481	2.513	2.554	2.594
Electricity Imports	0.007	-0.006	-0.011	-0.008	-0.005	-0.008	-0.010	-0.011	-0.012	-0.012	-0.011	-0.011	-0.012	-0.011	-0.009
Total	3.439	3.439	3.359	3.499	3.651	3.740	3.703	3.799	3.799	3.925	4.011	4.106	4.177	4.213	4.241

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

Pacific	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	0.900	0.941	0.972	0.984	1.003	1.021	1.041	1.063	1.083	1.101	1.118	1.134	1.150	1.168	1.185
Kerosene	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Jet Fuel 9/	0.851	0.874	0.876	0.899	0.931	0.954	0.980	1.015	1.049	1.068	1.086	1.102	1.117	1.133	1.153
Liquefied Petroleum Gas	0.065	0.066	0.067	0.068	0.103	0.107	0.111	0.116	0.120	0.126	0.127	0.135	0.142	0.156	0.169
Motor Gasoline 2/	2.527	2.574	2.582	2.605	2.674	2.715	2.764	2.824	2.866	2.908	2.948	2.993	3.029	3.073	3.112
Petrochemical Feedstocks	0.012	0.012	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Residual Fuel	0.252	0.268	0.344	0.349	0.340	0.338	0.336	0.334	0.340	0.342	0.344	0.356	0.352	0.355	0.357
Other Petroleum 12/	0.690	0.737	0.730	0.732	0.797	0.803	0.807	0.811	0.822	0.817	0.845	0.841	0.837	0.811	0.824
Petroleum Subtotal	5.299	5.477	5.586	5.652	5.866	5.955	6.057	6.181	6.297	6.380	6.484	6.578	6.645	6.713	6.818
Natural Gas	2.766	2.832	2.662	2.608	2.605	2.707	2.663	2.698	2.687	2.782	2.834	2.897	2.975	3.013	3.013
Lease and Plant Fuel 6/	0.353	0.340	0.298	0.290	0.281	0.279	0.275	0.271	0.270	0.271	0.272	0.274	0.327	0.379	0.388
Pipeline Natural Gas	0.027	0.027	0.031	0.030	0.028	0.028	0.024	0.023	0.023	0.024	0.025	0.026	0.068	0.109	0.117
Natural Gas Subtotal	3.147	3.199	2.991	2.929	2.915	3.013	2.962	2.992	2.980	3.078	3.131	3.197	3.370	3.501	3.518
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	0.260	0.246	0.255	0.255	0.260	0.263	0.265	0.266	0.264	0.267	0.267	0.267	0.268	0.269	0.268
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	0.260	0.246	0.255	0.255	0.260	0.263	0.265	0.266	0.264	0.267	0.267	0.267	0.268	0.269	0.268
Nuclear Power	0.440	0.455	0.446	0.453	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454
Renewable Energy 16/	2.109	2.069	2.083	2.303	2.440	2.470	2.504	2.591	2.626	2.666	2.701	2.751	2.787	2.832	2.876
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	0.007	-0.006	-0.011	-0.008	-0.005	-0.008	-0.010	-0.011	-0.012	-0.012	-0.011	-0.011	-0.012	-0.011	-0.009
Total	11.261	11.440	11.349	11.584	11.929	12.147	12.232	12.472	12.608	12.832	13.026	13.236	13.511	13.758	13.925
Energy Use and Related Statistics															
Delivered Energy Use	9.147	9.342	9.354	9.472	9.696	9.856	10.005	10.176	10.340	10.466	10.600	10.743	10.975	11.216	11.383
Total Energy Use	11.261	11.440	11.349	11.584	11.929	12.147	12.232	12.472	12.608	12.832	13.026	13.236	13.511	13.758	13.925
Population (millions)	47.152	47.682	48.209	48.737	49.265	49.791	50.324	50.860	51.401	51.951	52.509	53.073	53.642	54.215	54.790
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

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Energy Consumption														
Residential														
Distillate Fuel	0.020	0.020	0.019	0.018	0.018	0.017	0.016	0.016	0.015	0.015	0.014	0.013	0.013	-2.8%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.1%
Liquefied Petroleum Gas	0.040	0.041	0.042	0.041	0.041	0.041	0.041	0.041	0.041	0.042	0.042	0.043	0.043	2.2%
Petroleum Subtotal	0.063	0.064	0.064	0.063	0.061	0.061	0.060	0.059	0.059	0.059	0.059	0.059	0.058	0.3%
Natural Gas	0.766	0.770	0.776	0.778	0.782	0.786	0.792	0.793	0.797	0.802	0.808	0.811	0.814	0.9%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.2%
Renewable Energy 1/ Electricity	0.085	0.085	0.086	0.086	0.086	0.086	0.087	0.087	0.088	0.088	0.088	0.089	0.089	0.8%
Delivered Energy	0.586	0.594	0.603	0.608	0.615	0.623	0.632	0.638	0.646	0.654	0.663	0.669	0.677	1.4%
Electricity Related Losses	1.501	1.513	1.529	1.535	1.545	1.557	1.572	1.579	1.591	1.603	1.620	1.628	1.639	1.0%
Total	0.873	0.894	0.920	0.937	0.945	0.956	0.970	0.966	0.964	0.957	0.953	0.943	0.935	0.9%
Total	2.374	2.407	2.450	2.473	2.490	2.513	2.542	2.545	2.554	2.560	2.572	2.571	2.574	1.0%
Commercial														
Distillate Fuel	0.039	0.039	0.039	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.041	0.041	0.041	0.1%
Residual Fuel	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.7%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0%
Liquefied Petroleum Gas	0.006	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.7%
Motor Gasoline 2/ Petroleum Subtotal	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.2%
Natural Gas	0.055	0.055	0.056	0.055	0.056	0.056	0.056	0.056	0.057	0.057	0.057	0.057	0.058	0.2%
Coal	0.407	0.411	0.416	0.422	0.427	0.433	0.438	0.443	0.448	0.454	0.459	0.465	0.467	1.1%
Renewable Energy 3/ Electricity	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	0.0%
Delivered Energy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.0%
Electricity Related Losses	0.761	0.776	0.791	0.806	0.823	0.841	0.858	0.875	0.893	0.912	0.930	0.949	0.968	2.2%
Total	1.240	1.259	1.280	1.300	1.323	1.346	1.369	1.391	1.415	1.439	1.463	1.488	1.509	1.7%
Electricity Related Losses	1.132	1.168	1.207	1.243	1.264	1.291	1.316	1.325	1.333	1.335	1.336	1.337	1.337	1.7%
Total	2.372	2.427	2.487	2.543	2.586	2.637	2.685	2.717	2.748	2.773	2.799	2.825	2.846	1.7%
Industrial 4/														
Distillate Fuel	0.187	0.189	0.191	0.193	0.195	0.197	0.200	0.203	0.207	0.210	0.213	0.217	0.221	1.1%
Liquefied Petroleum Gas	0.119	0.113	0.112	0.115	0.120	0.119	0.122	0.119	0.121	0.122	0.123	0.124	0.125	5.3%
Petrochemical Feedstocks	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.0%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	-8.6%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.040	0.040	0.041	0.041	0.041	0.041	0.042	0.042	0.042	0.043	0.043	0.043	0.043	0.6%
Natural Gas	0.821	0.810	0.821	0.820	0.829	0.834	0.833	0.846	0.855	0.861	0.866	0.872	0.879	0.8%
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.181	1.166	1.177	1.182	1.198	1.205	1.210	1.223	1.238	1.248	1.258	1.269	1.281	1.1%
Metallurgical Coal	0.976	1.011	1.015	1.029	1.035	1.047	1.063	1.071	1.083	1.095	1.108	1.122	1.134	0.9%
Other Industrial Coal	0.398	0.395	0.392	0.385	0.379	0.373	0.366	0.360	0.355	0.351	0.347	0.343	0.339	0.0%
Coal Subtotal	1.374	1.407	1.407	1.414	1.414	1.420	1.429	1.431	1.438	1.446	1.455	1.465	1.473	0.6%
Renewable Energy 7/ Electricity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Delivered Energy	0.051	0.051	0.051	0.051	0.051	0.051	0.052	0.052	0.052	0.052	0.053	0.053	0.053	0.5%
Electricity Related Losses	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Total	0.051	0.051	0.051	0.051	0.051	0.051	0.052	0.052	0.052	0.052	0.053	0.053	0.053	0.5%
Renewable Energy 7/ Electricity	0.192	0.197	0.201	0.206	0.211	0.216	0.221	0.226	0.232	0.238	0.244	0.251	0.257	2.2%
Delivered Energy	0.366	0.371	0.375	0.380	0.386	0.391	0.397	0.404	0.412	0.419	0.426	0.433	0.441	1.5%
Electricity Related Losses	3.165	3.191	3.211	3.233	3.259	3.283	3.309	3.337	3.372	3.404	3.436	3.471	3.505	1.0%
Total	0.545	0.558	0.573	0.586	0.593	0.601	0.609	0.612	0.614	0.613	0.611	0.611	0.609	1.0%
Total	3.710	3.748	3.784	3.818	3.852	3.884	3.918	3.949	3.986	4.017	4.047	4.082	4.115	1.0%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Transportation														
Distillate Fuel 8/	0.943	0.960	0.978	0.998	1.018	1.040	1.063	1.086	1.112	1.139	1.167	1.195	1.225	2.2%
Jet Fuel 9/	1.169	1.183	1.187	1.192	1.197	1.202	1.207	1.212	1.218	1.226	1.235	1.246	1.260	1.4%
Motor Gasoline 2/	3.111	3.157	3.200	3.238	3.276	3.316	3.358	3.401	3.446	3.492	3.538	3.584	3.630	1.4%
Residual Fuel	0.237	0.237	0.238	0.238	0.239	0.239	0.240	0.240	0.240	0.241	0.241	0.242	0.242	0.2%
Liquefied Petroleum Gas	0.013	0.013	0.014	0.015	0.015	0.015	0.016	0.016	0.016	0.017	0.017	0.017	0.018	5.4%
Other Petroleum 10/	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.030	0.030	0.030	0.030	0.2%
Petroleum Subtotal	5.502	5.579	5.646	5.709	5.774	5.841	5.912	5.985	6.063	6.144	6.227	6.314	6.405	1.5%
Pipeline Fuel Natural Gas	0.125	0.125	0.125	0.124	0.124	0.124	0.124	0.124	0.123	0.123	0.123	0.123	0.123	6.0%
Compressed Natural Gas	0.012	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.015	0.016	0.016	0.016	0.016	5.7%
Renewable Energy (E85) 11/	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	6.7%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	N/A
Electricity	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	1.1%
Delivered Energy	5.657	5.735	5.801	5.865	5.929	5.998	6.069	6.142	6.220	6.302	6.386	6.474	6.564	1.5%
Electricity Related Losses	0.024	0.025	0.025	0.026	0.026	0.026	0.027	0.026	0.026	0.026	0.026	0.026	0.026	0.7%
Total	5.681	5.759	5.827	5.891	5.955	6.024	6.095	6.169	6.247	6.328	6.412	6.499	6.590	1.5%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.189	1.208	1.227	1.248	1.271	1.294	1.319	1.346	1.375	1.405	1.435	1.466	1.499	1.8%
Kerosene	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.1%
Jet Fuel 9/	1.169	1.183	1.187	1.192	1.197	1.202	1.207	1.212	1.218	1.226	1.235	1.246	1.260	1.4%
Liquefied Petroleum Gas	0.178	0.173	0.173	0.177	0.182	0.182	0.184	0.181	0.184	0.186	0.188	0.189	0.191	4.1%
Motor Gasoline 2/	3.159	3.204	3.248	3.286	3.324	3.365	3.407	3.451	3.496	3.542	3.588	3.634	3.681	1.4%
Petrochemical Feedstocks	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.0%
Residual Fuel	0.240	0.240	0.241	0.241	0.242	0.242	0.243	0.243	0.244	0.244	0.245	0.245	0.245	0.2%
Other Petroleum 12/	0.849	0.838	0.849	0.848	0.857	0.862	0.862	0.875	0.884	0.890	0.895	0.902	0.908	0.8%
Petroleum Subtotal	6.802	6.864	6.943	7.009	7.089	7.163	7.238	7.324	7.416	7.508	7.601	7.699	7.801	1.4%
Natural Gas	2.162	2.205	2.221	2.242	2.258	2.279	2.307	2.322	2.344	2.366	2.392	2.413	2.433	0.9%
Lease and Plant Fuel 6/	0.398	0.395	0.392	0.385	0.379	0.373	0.366	0.360	0.355	0.351	0.347	0.343	0.339	0.0%
Pipeline Natural Gas	0.125	0.125	0.125	0.124	0.124	0.124	0.124	0.124	0.123	0.123	0.123	0.123	0.123	6.0%
Natural Gas Subtotal	2.685	2.725	2.737	2.751	2.761	2.776	2.797	2.806	2.822	2.840	2.862	2.880	2.894	0.9%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Other Coal	0.058	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.060	0.060	0.060	0.061	0.061	0.4%
Coal-to-Liquids Heat and Power	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.058	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.060	0.060	0.060	0.061	0.061	0.4%
Renewable Energy 13/	0.289	0.293	0.298	0.303	0.308	0.314	0.320	0.325	0.332	0.338	0.345	0.351	0.358	1.7%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	N/A
Electricity	1.730	1.757	1.786	1.811	1.841	1.872	1.905	1.935	1.969	2.002	2.037	2.069	2.104	1.7%
Delivered Energy	11.563	11.697	11.822	11.933	12.057	12.184	12.319	12.450	12.598	12.748	12.905	13.060	13.218	1.3%
Electricity Related Losses	2.574	2.644	2.725	2.791	2.827	2.874	2.922	2.930	2.937	2.931	2.926	2.917	2.906	1.3%
Total	14.138	14.341	14.547	14.725	14.884	15.058	15.240	15.380	15.535	15.679	15.831	15.977	16.125	1.3%
Electric Power 14/														
Distillate Fuel	0.015	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	5.0%
Residual Fuel	0.120	0.122	0.124	0.125	0.127	0.130	0.132	0.134	0.136	0.138	0.141	0.143	0.145	6.0%
Petroleum Subtotal	0.135	0.138	0.141	0.143	0.144	0.147	0.149	0.151	0.153	0.156	0.158	0.160	0.163	5.9%
Natural Gas	0.849	0.865	0.824	0.801	0.760	0.759	0.748	0.726	0.698	0.670	0.659	0.659	0.660	-1.3%
Steam Coal	0.211	0.212	0.247	0.278	0.284	0.284	0.288	0.288	0.289	0.289	0.286	0.285	0.285	1.5%
Nuclear Power	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.0%
Renewable Energy/Other 15/	2.664	2.738	2.853	2.935	3.032	3.111	3.195	3.253	3.319	3.372	3.413	3.436	3.455	2.5%
Electricity Imports	-0.009	-0.007	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	0.9%
Total	4.304	4.401	4.511	4.603	4.668	4.746	4.827	4.865	4.906	4.933	4.963	4.987	5.010	1.5%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Total Energy Consumption														
Distillate Fuel	1.204	1.225	1.244	1.266	1.288	1.311	1.337	1.363	1.392	1.422	1.452	1.484	1.517	1.9%
Kerosene	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.1%
Jet Fuel 9/	1.169	1.183	1.187	1.192	1.197	1.202	1.207	1.212	1.218	1.226	1.235	1.246	1.260	1.4%
Liquefied Petroleum Gas	0.178	0.173	0.173	0.177	0.182	0.182	0.184	0.181	0.184	0.186	0.188	0.189	0.191	4.1%
Motor Gasoline 2/	3.159	3.204	3.248	3.286	3.324	3.365	3.407	3.451	3.496	3.542	3.588	3.634	3.681	1.4%
Petrochemical Feedstocks	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.0%
Residual Fuel	0.360	0.362	0.365	0.367	0.369	0.372	0.375	0.377	0.380	0.382	0.385	0.387	0.390	1.5%
Other Petroleum 12/	0.849	0.838	0.849	0.848	0.857	0.862	0.862	0.875	0.884	0.890	0.895	0.902	0.908	0.8%
Petroleum Subtotal	6.937	7.002	7.083	7.152	7.233	7.310	7.387	7.475	7.570	7.664	7.759	7.860	7.964	1.5%
Natural Gas	3.011	3.070	3.045	3.043	3.019	3.039	3.055	3.049	3.043	3.036	3.051	3.073	3.094	0.3%
Lease and Plant Fuel 6/	0.398	0.395	0.392	0.385	0.379	0.373	0.366	0.360	0.355	0.351	0.347	0.343	0.339	0.0%
Pipeline Natural Gas	0.125	0.125	0.125	0.124	0.124	0.124	0.124	0.124	0.123	0.123	0.123	0.123	0.123	6.0%
Natural Gas Subtotal	3.534	3.591	3.561	3.552	3.521	3.536	3.545	3.533	3.521	3.511	3.521	3.540	3.555	0.4%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Other Coal	0.270	0.270	0.305	0.336	0.343	0.343	0.348	0.348	0.349	0.349	0.346	0.345	0.346	1.3%
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	0.270	0.270	0.305	0.336	0.343	0.343	0.348	0.348	0.349	0.349	0.346	0.345	0.346	1.3%
Nuclear Power	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.0%
Renewable Energy 16/	2.951	3.031	3.151	3.237	3.340	3.424	3.514	3.577	3.649	3.709	3.757	3.786	3.812	2.4%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	N/A
Electricity Imports	-0.009	-0.007	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	0.9%
Total	14.138	14.341	14.547	14.725	14.884	15.058	15.240	15.380	15.535	15.679	15.831	15.977	16.125	1.3%
Energy Use and Related Statistics														
Delivered Energy Use	11.563	11.697	11.822	11.933	12.057	12.184	12.319	12.450	12.598	12.748	12.905	13.060	13.218	1.3%
Total Energy Use	14.138	14.341	14.547	14.725	14.884	15.058	15.240	15.380	15.535	15.679	15.831	15.977	16.125	1.3%
Population (millions)	55.369	55.950	56.533	57.121	57.718	58.323	58.936	59.558	60.182	60.809	61.439	62.072	62.710	1.1%
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 9. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)
Pacific

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.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Energy Consumption																
Residential																
Distillate Fuel	0.91	0.94	0.96	0.87	0.85	0.84	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	
Kerosene	0.08	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	
Liquefied Petroleum Gas	0.52	0.54	0.53	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.60	
Petroleum Subtotal	1.50	1.57	1.59	1.50	1.47	1.48	1.48	1.48	1.48	1.48	1.47	1.47	1.47	1.46	1.45	
Natural Gas	5.25	5.03	5.08	5.16	5.17	5.24	5.28	5.33	5.38	5.43	5.45	5.48	5.52	5.58	5.60	
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Renewable Energy 1/ Electricity	0.40 4.34	0.41 4.41	0.43 4.58	0.46 4.62	0.45 4.70	0.44 4.81	0.44 4.90	0.44 4.99	0.43 5.07	0.43 5.16	0.43 5.22	0.43 5.29	0.43 5.38	0.43 5.47	0.43 5.53	
Delivered Energy	11.51	11.44	11.69	11.74	11.80	11.99	12.11	12.25	12.37	12.52	12.58	12.69	12.81	12.95	13.02	
Electricity Related Losses	9.51	9.60	9.92	10.04	10.22	10.43	10.59	10.74	10.77	10.97	11.04	11.14	11.26	11.40	11.50	
Total	21.02	21.04	21.61	21.77	22.02	22.42	22.69	22.99	23.15	23.49	23.62	23.82	24.07	24.35	24.52	
Commercial																
Distillate Fuel	0.48	0.50	0.51	0.47	0.46	0.47	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.50	
Residual Fuel	0.11	0.12	0.11	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
Kerosene	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Liquefied Petroleum Gas	0.09	0.10	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Motor Gasoline 2/ Petroleum Subtotal	0.05 0.75	0.05 0.79	0.05 0.79	0.05 0.74	0.05 0.76	0.05 0.75	0.05 0.76	0.05 0.77	0.05 0.77	0.05 0.78	0.05 0.78	0.05 0.78	0.05 0.78	0.05 0.79	0.05 0.79	
Natural Gas	3.32	3.09	3.10	3.01	3.02	3.08	3.13	3.18	3.24	3.30	3.35	3.40	3.46	3.52	3.57	
Coal	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	
Renewable Energy 3/ Electricity	0.09 4.09	0.09 4.19	0.09 4.37	0.09 4.39	0.09 4.51	0.09 4.65	0.09 4.77	0.09 4.88	0.09 5.00	0.09 5.11	0.09 5.22	0.09 5.32	0.09 5.43	0.09 5.55	0.09 5.66	
Delivered Energy	8.34	8.24	8.43	8.31	8.47	8.65	8.83	9.00	9.18	9.36	9.52	9.68	9.85	10.03	10.20	
Electricity Related Losses	8.96	9.13	9.46	9.53	9.82	10.07	10.30	10.51	10.63	10.87	11.04	11.20	11.37	11.57	11.77	
Total	17.30	17.37	17.89	17.84	18.29	18.72	19.13	19.51	19.81	20.23	20.56	20.88	21.23	21.60	21.97	
Industrial 4/																
Distillate Fuel	1.14	1.19	1.25	1.22	1.21	1.20	1.20	1.20	1.19	1.19	1.20	1.20	1.20	1.21	1.21	
Liquefied Petroleum Gas	2.12	2.19	2.16	2.18	2.24	2.22	2.21	2.21	2.22	2.24	2.25	2.25	2.26	2.27	2.30	
Petrochemical Feedstocks	1.37	1.49	1.43	1.47	1.49	1.48	1.48	1.48	1.49	1.49	1.49	1.49	1.49	1.49	1.50	
Residual Fuel	0.22	0.24	0.25	0.18	0.18	0.19	0.18	0.20	0.19	0.19	0.20	0.19	0.19	0.19	0.19	
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.31 4.12 9.28	0.32 4.16 9.58	0.32 4.07 9.48	0.32 4.09 9.45	0.32 4.49 9.92	0.32 4.50 9.93	0.32 4.55 9.94	0.32 4.60 9.94	0.32 4.68 10.01	0.32 4.72 10.10	0.32 4.76 10.16	0.32 4.81 10.21	0.32 4.81 10.26	0.32 4.83 10.29	0.32 4.91 10.39	0.32 4.94 10.46
Natural Gas	7.38	7.64	7.25	7.50	7.69	7.85	8.00	8.07	8.14	8.19	8.21	8.25	8.33	8.36	8.38	
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.16 8.54	1.14 8.78	1.14 8.40	1.13 8.63	1.11 8.80	1.12 8.97	1.12 9.12	1.12 9.19	1.13 9.28	1.14 9.33	1.17 9.38	1.17 9.42	1.22 9.55	1.27 9.62	1.28 9.66	
Metallurgical Coal	0.67	0.65	0.66	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.60	0.60	
Other Industrial Coal	1.38	1.38	1.39	1.41	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.12	0.14	0.16	0.18	0.22	
Net Coal Coke Imports	0.05	0.14	0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Coal Subtotal	2.09	2.16	2.13	2.06	2.08	2.08	2.07	2.07	2.11	2.15	2.18	2.19	2.21	2.23	2.26	
Renewable Energy 7/ Electricity	1.59 3.44	1.68 3.48	1.64 3.51	1.68 3.54	1.71 3.55	1.74 3.58	1.77 3.59	1.79 3.62	1.82 3.66	1.84 3.68	1.86 3.71	1.86 3.73	1.87 3.76	1.90 3.80	1.94 3.83	
Delivered Energy	24.94	25.68	25.15	25.36	26.08	26.30	26.49	26.67	26.96	27.16	27.33	27.49	27.72	27.96	28.16	
Electricity Related Losses	7.53	7.58	7.59	7.68	7.73	7.75	7.76	7.79	7.78	7.84	7.85	7.86	7.88	7.92	7.97	
Total	32.46	33.27	32.75	33.04	33.81	34.06	34.24	34.46	34.73	34.99	35.18	35.35	35.60	35.88	36.12	

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation															
Distillate Fuel 8/	5.67	5.91	6.00	6.16	6.35	6.50	6.66	6.82	6.99	7.13	7.25	7.36	7.48	7.60	7.73
Jet Fuel 9/	3.26	3.35	3.36	3.45	3.57	3.66	3.76	3.89	4.02	4.09	4.16	4.22	4.27	4.33	4.41
Motor Gasoline 2/	16.62	16.93	16.99	17.10	17.43	17.70	18.01	18.33	18.59	18.84	19.06	19.31	19.54	19.77	20.01
Residual Fuel	0.57	0.61	0.66	0.66	0.65	0.64	0.63	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.64
Liquefied Petroleum Gas	0.02	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08
Other Petroleum 10/	0.15	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Petroleum Subtotal	26.30	27.02	27.23	27.60	28.23	28.73	29.30	29.91	30.47	30.93	31.35	31.77	32.18	32.59	33.04
Pipeline Fuel Natural Gas	0.69	0.69	0.72	0.70	0.68	0.67	0.66	0.65	0.66	0.67	0.68	0.69	0.74	0.78	0.79
Compressed Natural Gas	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08
Renewable Energy (E85) 11/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10
Delivered Energy	27.09	27.82	28.07	28.42	29.03	29.54	30.10	30.70	31.28	31.76	32.19	32.63	33.09	33.55	34.02
Electricity Related Losses	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20
Total	27.27	28.00	28.25	28.61	29.22	29.73	30.29	30.90	31.47	31.95	32.39	32.82	33.29	33.75	34.22
Delivered Energy Consumption, All Sectors															
Distillate Fuel	8.19	8.55	8.72	8.72	8.86	9.01	9.17	9.34	9.49	9.63	9.74	9.85	9.96	10.09	10.21
Kerosene	0.11	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13
Jet Fuel 9/	3.26	3.35	3.36	3.45	3.57	3.66	3.76	3.89	4.02	4.09	4.16	4.22	4.27	4.33	4.41
Liquefied Petroleum Gas	2.76	2.85	2.83	2.84	2.92	2.91	2.91	2.92	2.95	2.97	2.99	3.00	3.02	3.04	3.08
Motor Gasoline 2/	16.98	17.30	17.35	17.47	17.80	18.07	18.38	18.70	18.96	19.20	19.43	19.67	19.91	20.13	20.38
Petrochemical Feedstocks	1.37	1.49	1.43	1.47	1.49	1.48	1.48	1.48	1.49	1.49	1.49	1.49	1.49	1.49	1.50
Residual Fuel	0.90	0.97	1.03	0.96	0.96	0.96	0.93	0.94	0.94	0.94	0.95	0.95	0.94	0.95	0.95
Other Petroleum 12/	4.26	4.32	4.23	4.24	4.65	4.66	4.70	4.75	4.83	4.88	4.92	4.97	4.99	5.07	5.10
Petroleum Subtotal	37.83	38.96	39.09	39.29	40.39	40.90	41.47	42.17	42.82	43.35	43.81	44.29	44.72	45.24	45.75
Natural Gas	15.96	15.79	15.47	15.70	15.92	16.21	16.45	16.63	16.82	16.99	17.08	17.20	17.39	17.54	17.63
Lease and Plant Fuel 6/	1.16	1.14	1.14	1.13	1.11	1.12	1.12	1.12	1.13	1.14	1.17	1.17	1.22	1.27	1.28
Pipeline Natural Gas	0.69	0.69	0.72	0.70	0.68	0.67	0.66	0.65	0.66	0.67	0.68	0.69	0.74	0.78	0.79
Natural Gas Subtotal	17.81	17.62	17.33	17.53	17.71	18.01	18.24	18.40	18.61	18.80	18.93	19.06	19.35	19.58	19.70
Metallurgical Coal	0.67	0.65	0.66	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.60	0.60
Other Coal	1.47	1.47	1.49	1.51	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.52	1.52	1.53	1.53
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.12	0.14	0.16	0.18	0.22
Net Coal Coke Imports	0.05	0.14	0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	2.19	2.26	2.23	2.16	2.18	2.18	2.17	2.17	2.21	2.24	2.28	2.29	2.31	2.33	2.36
Renewable Energy 13/	2.08	2.17	2.16	2.22	2.25	2.28	2.30	2.32	2.34	2.36	2.38	2.40	2.41	2.44	2.46
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	11.96	12.17	12.54	12.62	12.85	13.13	13.34	13.57	13.81	14.04	14.24	14.45	14.67	14.91	15.12
Delivered Energy	71.87	73.18	73.34	73.83	75.39	76.48	77.53	78.62	79.79	80.80	81.63	82.48	83.46	84.49	85.40
Electricity Related Losses	26.18	26.50	27.16	27.44	27.96	28.44	28.83	29.24	29.37	29.87	30.12	30.39	30.71	31.09	31.44
Total	98.05	99.68	100.49	101.27	103.35	104.93	106.36	107.87	109.16	110.67	111.75	112.87	114.18	115.58	116.83
Electric Power 14/															
Distillate Fuel	0.29	0.17	0.23	0.20	0.20	0.21	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24
Residual Fuel	0.84	0.95	0.91	0.88	0.73	0.74	0.73	0.74	0.73	0.76	0.76	0.77	0.73	0.72	0.71
Petroleum Subtotal	1.13	1.12	1.14	1.08	0.93	0.94	0.96	0.97	0.96	0.98	0.99	1.00	0.96	0.95	0.95
Natural Gas	5.23	5.45	5.53	5.29	5.33	5.54	5.49	5.65	5.93	6.34	6.73	7.01	7.32	7.50	7.55
Steam Coal	20.19	20.26	21.14	21.28	21.65	22.11	22.65	22.92	22.98	23.28	23.27	23.30	23.35	23.57	23.87
Nuclear Power	7.96	8.23	8.08	8.22	8.41	8.42	8.44	8.44	8.45	8.46	8.47	8.54	8.66	8.80	8.94
Renewable Energy/Other 15/	3.62	3.57	3.72	4.14	4.45	4.50	4.57	4.76	4.77	4.77	4.84	4.92	5.01	5.11	5.18
Electricity Imports	0.02	0.04	0.08	0.05	0.03	0.06	0.07	0.07	0.08	0.08	0.07	0.07	0.08	0.07	0.06
Total	38.14	38.67	39.69	40.06	40.81	41.57	42.18	42.82	43.18	43.91	44.36	44.84	45.38	46.00	46.56

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

United States	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Energy Consumption															
Distillate Fuel	8.48	8.72	8.95	8.92	9.07	9.22	9.40	9.57	9.72	9.85	9.97	10.08	10.19	10.32	10.45
Kerosene	0.11	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13
Jet Fuel 9/	3.26	3.35	3.36	3.45	3.57	3.66	3.76	3.89	4.02	4.09	4.16	4.22	4.27	4.33	4.41
Liquefied Petroleum Gas	2.76	2.85	2.83	2.84	2.92	2.91	2.91	2.92	2.95	2.97	2.99	3.00	3.02	3.04	3.08
Motor Gasoline 2/	16.98	17.30	17.35	17.47	17.80	18.07	18.38	18.70	18.96	19.20	19.43	19.67	19.91	20.13	20.38
Petrochemical Feedstocks	1.37	1.49	1.43	1.47	1.49	1.48	1.48	1.48	1.49	1.49	1.49	1.49	1.49	1.49	1.50
Residual Fuel	1.74	1.91	1.93	1.84	1.69	1.69	1.67	1.68	1.67	1.70	1.71	1.71	1.67	1.66	1.66
Other Petroleum 12/	4.26	4.32	4.23	4.24	4.65	4.66	4.70	4.75	4.83	4.88	4.92	4.97	4.99	5.07	5.10
Petroleum Subtotal	38.96	40.08	40.22	40.37	41.32	41.84	42.43	43.14	43.78	44.33	44.80	45.28	45.69	46.19	46.70
Natural Gas	21.19	21.24	21.00	20.99	21.25	21.75	21.95	22.28	22.76	23.33	23.81	24.21	24.71	25.04	25.18
Lease and Plant Fuel 6/	1.16	1.14	1.14	1.13	1.11	1.12	1.12	1.12	1.13	1.14	1.17	1.17	1.22	1.27	1.28
Pipeline Natural Gas	0.69	0.69	0.72	0.70	0.68	0.67	0.66	0.65	0.66	0.67	0.68	0.69	0.74	0.78	0.79
Natural Gas Subtotal	23.04	23.07	22.86	22.83	23.04	23.55	23.73	24.04	24.54	25.14	25.66	26.07	26.67	27.09	27.25
Metallurgical Coal	0.67	0.65	0.66	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.60	0.60
Other Coal	21.66	21.74	22.63	22.79	23.18	23.64	24.18	24.45	24.51	24.81	24.79	24.83	24.88	25.09	25.40
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.12	0.14	0.16	0.18	0.22
Net Coal Coke Imports	0.05	0.14	0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	22.38	22.53	23.37	23.44	23.84	24.29	24.82	25.09	25.19	25.52	25.54	25.59	25.66	25.90	26.23
Nuclear Power	7.96	8.23	8.08	8.22	8.41	8.42	8.44	8.44	8.45	8.46	8.47	8.54	8.66	8.80	8.94
Renewable Energy 16/	5.70	5.74	5.88	6.36	6.71	6.77	6.86	7.08	7.11	7.13	7.21	7.31	7.43	7.55	7.64
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Imports	0.02	0.04	0.08	0.05	0.03	0.06	0.07	0.07	0.08	0.08	0.07	0.07	0.08	0.07	0.06
Total	98.05	99.68	100.49	101.27	103.35	104.93	106.36	107.87	109.16	110.67	111.75	112.87	114.18	115.58	116.83
Energy Use and Related Statistics															
Delivered Energy Use	71.87	73.18	73.34	73.83	75.39	76.48	77.53	78.62	79.79	80.80	81.63	82.48	83.46	84.49	85.40
Total Energy Use	98.05	99.68	100.49	101.27	103.35	104.93	106.36	107.87	109.16	110.67	111.75	112.87	114.18	115.58	116.83
Population (millions)	291.39	294.10	296.79	299.48	302.15	304.79	307.45	310.12	312.78	315.46	318.16	320.85	323.55	326.25	328.94
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)	5795.5	5899.9	5967.0	5977.8	6079.8	6182.2	6280.5	6364.9	6440.0	6535.5	6595.1	6653.7	6717.6	6794.0	6868.7

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

United States

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030
Energy Consumption														
Residential														
Distillate Fuel	0.76	0.74	0.73	0.72	0.71	0.69	0.68	0.67	0.65	0.64	0.63	0.62	0.61	-1.7%
Kerosene	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	-1.0%
Liquefied Petroleum Gas	0.60	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.65	0.7%
Petroleum Subtotal	1.45	1.44	1.43	1.41	1.40	1.39	1.38	1.37	1.36	1.35	1.34	1.33	1.32	-0.7%
Natural Gas	5.62	5.64	5.68	5.68	5.70	5.72	5.75	5.74	5.76	5.78	5.81	5.81	5.82	0.6%
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.5%
Renewable Energy 1/ Electricity	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.1%
Delivered Energy	5.61	5.68	5.77	5.82	5.89	5.96	6.04	6.10	6.17	6.25	6.34	6.40	6.47	1.5%
Electricity Related Losses	13.11	13.19	13.31	13.35	13.42	13.50	13.60	13.64	13.72	13.80	13.92	13.96	14.04	0.8%
Total	11.61	11.74	11.85	11.90	11.98	12.06	12.19	12.24	12.31	12.40	12.50	12.52	12.60	1.1%
Total	24.72	24.93	25.17	25.25	25.40	25.56	25.79	25.88	26.03	26.20	26.41	26.48	26.64	0.9%
Commercial														
Distillate Fuel	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.1%
Residual Fuel	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.1%
Kerosene	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.3%
Liquefied Petroleum Gas	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.2%
Motor Gasoline 2/ Petroleum Subtotal	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.3%
Natural Gas	0.79	0.79	0.79	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.82	0.1%
Coal	3.61	3.64	3.68	3.73	3.77	3.81	3.85	3.89	3.93	3.98	4.02	4.07	4.11	1.1%
Coal	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.0%
Renewable Energy 3/ Electricity	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.0%
Delivered Energy	5.78	5.89	6.01	6.13	6.25	6.38	6.51	6.63	6.77	6.90	7.05	7.20	7.34	2.2%
Electricity Related Losses	10.35	10.50	10.66	10.82	10.99	11.16	11.33	11.50	11.68	11.86	12.05	12.25	12.44	1.6%
Total	11.97	12.18	12.35	12.53	12.72	12.92	13.12	13.32	13.51	13.70	13.90	14.09	14.29	1.7%
Total	22.33	22.68	23.02	23.36	23.71	24.08	24.46	24.82	25.19	25.56	25.95	26.34	26.73	1.7%
Industrial 4/														
Distillate Fuel	1.22	1.22	1.23	1.23	1.24	1.24	1.25	1.26	1.27	1.29	1.29	1.31	1.32	0.4%
Liquefied Petroleum Gas	2.32	2.34	2.34	2.37	2.39	2.41	2.43	2.44	2.46	2.49	2.50	2.51	2.54	0.6%
Petrochemical Feedstocks	1.50	1.51	1.51	1.51	1.51	1.52	1.52	1.53	1.53	1.54	1.54	1.55	1.55	0.2%
Residual Fuel	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	-0.4%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.2%
Natural Gas	4.98	5.01	5.05	5.08	5.12	5.13	5.27	5.34	5.41	5.52	5.63	5.69	5.69	1.2%
Coal	10.54	10.59	10.65	10.71	10.79	10.83	10.99	11.10	11.22	11.38	11.51	11.61	11.66	0.8%
Coal	8.40	8.47	8.52	8.54	8.59	8.68	8.71	8.77	8.84	8.88	8.91	8.98	9.08	0.7%
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.29	1.29	1.28	1.27	1.26	1.26	1.24	1.24	1.23	1.23	1.22	1.21	1.21	0.2%
Metallurgical Coal	9.69	9.76	9.80	9.81	9.86	9.94	9.96	10.02	10.08	10.10	10.13	10.19	10.29	0.6%
Other Industrial Coal	0.60	0.60	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	-0.4%
Coal-to-Liquids Heat and Power	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.44	1.44	1.44	1.45	1.45	0.2%
Net Coal Coke Imports	0.25	0.29	0.49	0.69	0.88	1.00	1.13	1.22	1.35	1.43	1.51	1.61	1.61	33.8%
Coal Subtotal	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	-8.1%
Renewable Energy 7/ Electricity	1.97	1.99	2.01	2.04	2.06	2.09	2.11	2.14	2.17	2.20	2.23	2.26	2.29	1.2%
Delivered Energy	3.87	3.90	3.91	3.95	3.97	4.00	4.04	4.08	4.13	4.18	4.22	4.27	4.31	0.8%
Electricity Related Losses	28.38	28.57	28.91	29.24	29.59	29.89	30.26	30.58	30.98	31.32	31.65	31.98	32.19	0.9%
Total	8.02	8.05	8.04	8.07	8.08	8.09	8.15	8.19	8.23	8.29	8.33	8.36	8.39	0.4%
Total	36.40	36.63	36.95	37.31	37.67	37.98	38.41	38.77	39.21	39.61	39.97	40.33	40.58	0.8%

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

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030
Transportation														
Distillate Fuel 8/	7.87	7.99	8.13	8.28	8.43	8.59	8.77	8.95	9.14	9.34	9.55	9.76	9.98	2.0%
Jet Fuel 9/	4.47	4.52	4.53	4.55	4.56	4.58	4.60	4.61	4.63	4.66	4.69	4.74	4.79	1.4%
Motor Gasoline 2/	20.26	20.50	20.73	20.94	21.15	21.37	21.58	21.81	22.05	22.28	22.52	22.76	22.99	1.2%
Residual Fuel	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.3%
Liquefied Petroleum Gas	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	5.0%
Other Petroleum 10/	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.3%
Petroleum Subtotal	33.50	33.92	34.30	34.68	35.06	35.46	35.88	36.30	36.76	37.23	37.71	38.20	38.71	1.4%
Pipeline Fuel Natural Gas	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.79	0.79	0.78	0.78	0.78	0.78	0.5%
Compressed Natural Gas	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	6.0%
Renewable Energy (E85) 11/	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	6.4%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.9%
Delivered Energy	34.49	34.92	35.30	35.68	36.07	36.47	36.89	37.31	37.77	38.24	38.71	39.21	39.72	1.4%
Electricity Related Losses	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.5%
Total	34.69	35.12	35.50	35.88	36.27	36.68	37.09	37.52	37.97	38.45	38.92	39.42	39.93	1.4%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	10.34	10.46	10.59	10.73	10.88	11.03	11.20	11.38	11.58	11.78	11.99	12.21	12.43	1.5%
Kerosene	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	-0.6%
Jet Fuel 9/	4.47	4.52	4.53	4.55	4.56	4.58	4.60	4.61	4.63	4.66	4.69	4.74	4.79	1.4%
Liquefied Petroleum Gas	3.11	3.13	3.14	3.17	3.20	3.23	3.25	3.27	3.30	3.33	3.35	3.36	3.40	0.7%
Motor Gasoline 2/	20.63	20.87	21.10	21.31	21.52	21.74	21.96	22.19	22.43	22.67	22.90	23.14	23.38	1.2%
Petrochemical Feedstocks	1.50	1.51	1.51	1.51	1.51	1.52	1.52	1.53	1.53	1.54	1.54	1.55	1.55	0.2%
Residual Fuel	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.99	0.99	0.1%
Other Petroleum 12/	5.14	5.17	5.21	5.25	5.29	5.30	5.43	5.50	5.58	5.69	5.79	5.86	5.86	1.2%
Petroleum Subtotal	46.28	46.74	47.17	47.60	48.05	48.48	49.06	49.57	50.15	50.77	51.37	51.95	52.51	1.2%
Natural Gas	17.72	17.84	17.97	18.04	18.16	18.31	18.41	18.51	18.64	18.74	18.86	18.97	19.13	0.7%
Lease and Plant Fuel 6/	1.29	1.29	1.28	1.27	1.27	1.26	1.26	1.24	1.23	1.23	1.22	1.21	1.21	0.2%
Pipeline Natural Gas	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.79	0.79	0.78	0.78	0.78	0.78	0.5%
Natural Gas Subtotal	19.82	19.94	20.06	20.12	20.22	20.37	20.46	20.55	20.66	20.75	20.86	20.96	21.11	0.7%
Metallurgical Coal	0.60	0.60	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	-0.4%
Other Coal	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54	0.2%
Coal-to-Liquids Heat and Power	0.25	0.29	0.49	0.69	0.88	1.00	1.13	1.22	1.35	1.43	1.51	1.61	1.61	33.8%
Net Coal Coke Imports	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	-8.1%
Coal Subtotal	2.40	2.43	2.63	2.83	3.01	3.13	3.25	3.35	3.48	3.56	3.65	3.74	3.74	2.0%
Renewable Energy 13/	2.49	2.51	2.53	2.56	2.58	2.60	2.63	2.66	2.69	2.71	2.74	2.77	2.80	1.0%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	15.36	15.57	15.79	16.00	16.21	16.43	16.69	16.91	17.17	17.43	17.71	17.97	18.22	1.6%
Delivered Energy	86.34	87.19	88.19	89.10	90.07	91.02	92.09	93.04	94.15	95.22	96.33	97.40	98.40	1.1%
Electricity Related Losses	31.81	32.17	32.45	32.71	32.98	33.27	33.66	33.95	34.27	34.59	34.93	35.17	35.48	1.1%
Total	118.14	119.36	120.63	121.80	123.05	124.29	125.75	126.99	128.41	129.82	131.26	132.58	133.88	1.1%
Electric Power 14/														
Distillate Fuel	0.24	0.24	0.24	0.24	0.24	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	1.8%
Residual Fuel	0.72	0.74	0.73	0.75	0.74	0.73	0.73	0.74	0.77	0.79	0.79	0.80	0.80	-0.6%
Petroleum Subtotal	0.96	0.98	0.97	0.99	0.99	0.98	0.99	1.00	1.03	1.05	1.06	1.07	1.07	-0.2%
Natural Gas	7.62	7.70	7.65	7.60	7.49	7.41	7.33	7.23	7.12	6.96	6.78	6.58	6.54	0.7%
Steam Coal	24.25	24.59	25.02	25.41	25.91	26.42	27.02	27.54	28.09	28.77	29.50	30.19	30.74	1.6%
Nuclear Power	9.04	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	0.4%
Renewable Energy/Other 15/	5.24	5.34	5.47	5.56	5.67	5.76	5.88	5.95	6.06	6.11	6.16	6.18	6.22	2.2%
Electricity Imports	0.06	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.9%
Total	47.16	47.74	48.24	48.70	49.19	49.71	50.35	50.86	51.44	52.02	52.64	53.14	53.71	1.3%

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

United States	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030
Total Energy Consumption														
Distillate Fuel	10.58	10.70	10.83	10.97	11.12	11.28	11.46	11.64	11.84	12.05	12.25	12.47	12.70	1.5%
Kerosene	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	-0.6%
Jet Fuel 9/	4.47	4.52	4.53	4.55	4.56	4.58	4.60	4.61	4.63	4.66	4.69	4.74	4.79	1.4%
Liquefied Petroleum Gas	3.11	3.13	3.14	3.17	3.20	3.23	3.25	3.27	3.30	3.33	3.35	3.36	3.40	0.7%
Motor Gasoline 2/	20.63	20.87	21.10	21.31	21.52	21.74	21.96	22.19	22.43	22.67	22.90	23.14	23.38	1.2%
Petrochemical Feedstocks	1.50	1.51	1.51	1.51	1.51	1.52	1.52	1.53	1.53	1.54	1.54	1.55	1.55	0.2%
Residual Fuel	1.67	1.70	1.69	1.71	1.71	1.70	1.70	1.72	1.75	1.77	1.78	1.79	1.79	-0.3%
Other Petroleum 12/	5.14	5.17	5.21	5.25	5.29	5.30	5.43	5.50	5.58	5.69	5.79	5.86	5.86	1.2%
Petroleum Subtotal	47.24	47.72	48.14	48.59	49.04	49.46	50.04	50.57	51.18	51.82	52.43	53.02	53.58	1.1%
Natural Gas	25.34	25.54	25.62	25.65	25.65	25.72	25.74	25.75	25.76	25.70	25.64	25.55	25.67	0.7%
Lease and Plant Fuel 6/	1.29	1.29	1.28	1.27	1.27	1.26	1.26	1.24	1.23	1.23	1.22	1.21	1.21	0.2%
Pipeline Natural Gas	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.79	0.79	0.78	0.78	0.78	0.78	0.5%
Natural Gas Subtotal	27.44	27.64	27.70	27.72	27.71	27.78	27.79	27.78	27.78	27.71	27.64	27.54	27.66	0.7%
Metallurgical Coal	0.60	0.60	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	-0.4%
Other Coal	25.77	26.12	26.55	26.94	27.43	27.95	28.55	29.07	29.63	30.31	31.04	31.73	32.29	1.5%
Coal-to-Liquids Heat and Power	0.25	0.29	0.49	0.69	0.88	1.00	1.13	1.22	1.35	1.43	1.51	1.61	1.61	33.8%
Net Coal Coke Imports	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	-8.1%
Coal Subtotal	26.64	27.02	27.65	28.24	28.91	29.54	30.27	30.89	31.57	32.33	33.15	33.93	34.49	1.7%
Nuclear Power	9.04	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	0.4%
Renewable Energy 16/	7.73	7.85	8.00	8.11	8.25	8.36	8.51	8.61	8.74	8.82	8.91	8.95	9.02	1.8%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity Imports	0.06	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.9%
Total	118.14	119.36	120.63	121.80	123.05	124.29	125.75	126.99	128.41	129.82	131.26	132.58	133.88	1.1%
Energy Use and Related Statistics														
Delivered Energy Use	86.34	87.19	88.19	89.10	90.07	91.02	92.09	93.04	94.15	95.22	96.33	97.40	98.40	1.1%
Total Energy Use	118.14	119.36	120.63	121.80	123.05	124.29	125.75	126.99	128.41	129.82	131.26	132.58	133.88	1.1%
Population (millions)	331.63	334.31	336.99	339.68	342.38	345.11	347.86	350.64	353.43	356.24	359.07	361.92	364.79	0.8%
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)	6951.8	7029.8	7119.0	7205.7	7296.3	7387.3	7493.7	7586.7	7689.6	7799.4	7911.9	8019.2	8114.5	1.2%

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

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.

Table 11. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

New England	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	16.29	18.18	20.04	20.43	18.97	18.49	18.26	17.99	18.07	18.15	18.27	18.32	18.09	18.42	18.48
Primary Energy 1/	11.07	13.68	14.98	15.64	14.66	14.34	13.95	13.54	13.50	13.51	13.44	13.42	13.25	13.50	13.50
Petroleum Products 2/	10.38	13.84	14.68	16.00	14.78	14.41	13.96	13.46	13.45	13.55	13.39	13.40	13.37	13.74	13.71
Distillate Fuel	9.67	13.37	14.05	15.31	13.92	13.59	13.14	12.63	12.61	12.72	12.53	12.54	12.50	12.82	12.76
Liquefied Petroleum Gas	18.81	21.69	24.68	26.81	24.97	23.98	23.29	22.61	22.66	22.56	22.48	22.37	22.29	22.97	23.07
Natural Gas	12.31	13.35	15.57	14.98	14.46	14.23	13.95	13.68	13.58	13.43	13.54	13.45	13.07	13.12	13.17
Electricity	35.14	34.79	38.34	36.56	32.99	31.79	31.86	31.91	32.24	32.38	32.92	33.04	32.43	32.79	32.88
Commercial	18.74	19.37	22.16	21.29	19.26	18.69	18.17	17.66	17.55	17.38	17.59	17.71	17.39	17.76	17.85
Primary Energy 1/	9.45	11.04	12.35	12.25	11.37	11.16	10.83	10.54	10.51	10.39	10.40	10.30	10.07	10.15	10.14
Petroleum Products 2/	8.14	10.75	11.91	12.62	11.31	11.10	10.70	10.38	10.51	10.50	10.46	10.42	10.48	10.65	10.63
Distillate Fuel	7.81	10.79	11.33	12.34	11.74	11.45	11.03	10.73	10.93	10.95	10.92	10.86	10.96	11.13	11.09
Residual Fuel	4.74	5.90	8.76	8.79	6.43	6.13	5.82	5.52	5.49	5.47	5.44	5.42	5.40	5.44	5.49
Natural Gas	10.37	11.30	12.71	12.02	11.46	11.25	10.96	10.70	10.54	10.36	10.40	10.26	9.84	9.85	9.85
Electricity	31.40	30.26	34.34	32.33	28.68	27.38	26.55	25.71	25.44	25.17	25.54	25.84	25.38	26.04	26.18
Industrial 3/	10.64	11.59	13.54	13.74	12.53	12.08	11.40	10.90	10.65	10.46	10.52	10.47	10.18	10.34	10.38
Primary Energy	6.61	7.94	9.93	9.88	8.99	8.68	8.25	8.07	7.98	7.88	7.90	7.81	7.60	7.69	7.71
Petroleum Products 2/	6.88	7.69	9.78	10.31	9.21	8.89	8.43	8.40	8.36	8.31	8.31	8.25	8.22	8.35	8.39
Distillate Fuel	7.87	10.88	11.43	12.44	11.80	11.66	11.18	11.06	11.59	11.56	11.63	11.51	11.71	11.79	11.77
Liquefied Petroleum Gas	16.33	16.14	19.96	22.50	15.42	14.78	14.38	13.95	13.97	13.92	13.87	13.80	13.75	14.18	14.27
Residual Fuel	4.71	5.86	8.70	8.73	6.42	6.11	5.81	5.50	5.48	5.45	5.43	5.40	5.38	5.43	5.48
Natural Gas 4/	6.36	8.48	10.40	9.56	8.91	8.59	8.19	7.81	7.68	7.50	7.57	7.44	7.03	7.07	7.08
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Industrial Coal 5/	2.30	2.49	2.51	2.60	2.54	2.53	2.59	2.61	2.54	2.51	2.49	2.46	2.44	2.43	2.42
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	26.83	26.55	27.87	28.59	26.50	25.59	24.03	22.29	21.36	20.76	20.99	21.07	20.45	20.92	21.01
Transportation	12.96	15.05	18.53	18.78	17.76	17.26	16.69	16.13	16.10	16.04	16.02	15.95	15.96	16.13	16.12
Primary Energy	12.90	14.99	18.48	18.73	17.72	17.22	16.65	16.10	16.06	16.00	15.98	15.91	15.93	16.09	16.09
Petroleum Products 2/	12.90	15.00	18.49	18.74	17.74	17.24	16.66	16.11	16.07	16.02	16.00	15.93	15.95	16.12	16.11
Distillate Fuel 6/	12.27	14.46	18.54	18.72	16.41	16.11	15.62	15.30	15.53	15.45	15.55	15.37	15.58	15.60	15.53
Jet Fuel 7/	6.98	9.46	13.26	13.62	11.03	10.81	10.37	10.09	10.23	10.33	10.14	10.24	10.28	10.46	10.39
Motor Gasoline 8/	13.65	15.74	19.09	19.35	18.82	18.24	17.64	17.01	16.92	16.84	16.79	16.72	16.70	16.91	16.93
Residual Fuel	4.26	4.52	4.89	6.16	4.85	4.63	4.18	3.87	3.85	3.82	3.80	3.78	3.75	3.80	3.85
Liquefied Petroleum Gas 9/	16.84	16.84	23.12	25.11	20.13	19.40	18.91	18.40	18.40	18.30	18.21	18.10	18.01	18.47	18.52
Natural Gas 10/	9.86	11.18	13.66	12.87	12.27	12.01	11.67	11.33	11.23	11.09	11.17	11.07	10.67	10.73	10.75
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	24.46	23.71	22.69	21.91	21.87	21.41	21.32	21.23	21.20	21.47	21.48
Electricity	29.60	30.37	30.88	31.34	28.23	27.20	26.97	26.70	26.79	26.79	27.20	27.26	26.55	26.87	26.92
Average End-Use Energy	14.46	16.05	18.79	18.87	17.53	17.03	16.54	16.09	16.04	15.99	16.06	16.06	15.91	16.16	16.20
Primary Energy	11.10	13.17	15.68	16.01	15.03	14.65	14.18	13.76	13.73	13.69	13.68	13.63	13.55	13.73	13.74
Electricity	31.88	31.21	34.59	33.20	29.87	28.68	28.07	27.41	27.24	27.08	27.49	27.69	27.15	27.68	27.79
Electric Power 12/															
Fossil Fuel Average	4.99	5.20	6.64	6.03	5.42	5.25	4.96	4.75	4.73	4.71	4.81	4.78	4.55	4.61	4.59
Petroleum Products	5.37	4.94	7.02	6.65	5.54	5.33	4.99	4.67	4.68	4.70	4.69	4.67	4.66	4.73	4.77
Distillate Fuel	6.66	9.21	9.67	10.54	9.93	9.69	9.34	8.97	8.95	9.05	8.89	8.91	8.88	9.14	9.09
Residual Fuel	4.78	4.63	6.76	6.31	5.19	4.95	4.60	4.32	4.29	4.27	4.25	4.23	4.21	4.25	4.29
Natural Gas	6.18	6.60	8.34	7.47	6.86	6.62	6.31	6.00	5.95	5.86	6.00	5.94	5.52	5.58	5.59
Steam Coal 5/	2.56	2.65	2.99	3.04	2.94	2.93	2.72	2.74	2.68	2.67	2.65	2.63	2.61	2.60	2.59

Table 11. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
New England

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	10.97	13.14	15.79	16.36	15.28	14.88	14.39	13.92	13.93	13.93	13.89	13.84	13.89	14.08	14.11
Distillate Fuel	9.88	13.22	14.83	15.82	14.28	14.00	13.54	13.15	13.26	13.33	13.31	13.25	13.34	13.54	13.50
Jet Fuel	6.98	9.46	13.26	13.62	11.03	10.81	10.37	10.09	10.23	10.33	10.14	10.24	10.28	10.46	10.39
Liquefied Petroleum Gas	18.14	20.21	23.52	25.78	21.90	21.10	20.52	19.93	19.98	19.91	19.85	19.78	19.71	20.33	20.44
Motor Gasoline 8/ Residual Fuel	13.65 4.74	15.74 5.09	19.09 7.47	19.34 7.19	18.82 5.65	18.24 5.38	17.64 5.04	17.01 4.73	16.92 4.72	16.84 4.70	16.79 4.67	16.72 4.63	16.70 4.62	16.91 4.65	16.93 4.71
Natural Gas	8.42	9.19	11.04	10.32	9.80	9.55	9.21	8.90	8.77	8.60	8.64	8.53	8.11	8.14	8.18
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Coal 5/	2.55	2.64	2.95	2.99	2.88	2.87	2.60	2.62	2.55	2.52	2.50	2.47	2.45	2.44	2.43
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	24.46	23.71	22.69	21.91	21.87	21.41	21.32	21.23	21.20	21.47	21.48
Electricity	31.88	31.21	34.59	33.20	29.87	28.68	28.07	27.41	27.24	27.08	27.49	27.69	27.15	27.68	27.79
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	11.53	13.08	14.69	14.22	13.11	12.90	12.78	12.65	12.74	12.85	12.91	12.96	12.82	13.08	13.09
Commercial	7.91	8.02	9.40	8.85	8.17	8.03	7.94	7.84	7.90	7.94	8.14	8.28	8.24	8.53	8.67
Industrial	4.30	4.74	5.34	5.31	4.99	4.84	4.59	4.40	4.31	4.23	4.24	4.20	4.09	4.16	4.17
Transportation	13.49	16.04	19.87	20.35	19.64	19.41	19.11	18.81	19.07	19.26	19.46	19.58	19.82	20.23	20.45
Total Non-Renewable Expenditures	37.23	41.88	49.29	48.73	45.91	45.19	44.42	43.71	44.03	44.28	44.75	45.03	44.98	45.99	46.38
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Expenditures	37.23	41.88	49.29	48.73	45.91	45.19	44.42	43.71	44.03	44.29	44.75	45.03	44.99	46.00	46.38

Table 11. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

New England	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	18.78	19.03	19.01	19.23	19.45	19.61	19.82	20.09	20.22	20.41	20.57	20.72	20.70	0.5%
Primary Energy 1/	13.77	13.95	14.00	14.14	14.31	14.44	14.60	14.75	14.85	14.93	15.04	15.12	15.15	0.4%
Petroleum Products 2/	14.05	14.23	14.39	14.54	14.79	14.95	15.13	15.29	15.39	15.47	15.59	15.65	15.84	0.5%
Distillate Fuel	13.06	13.20	13.30	13.40	13.62	13.73	13.87	13.99	14.04	14.08	14.16	14.17	14.33	0.3%
Liquefied Petroleum Gas	23.62	23.96	24.49	24.94	25.24	25.55	25.85	26.16	26.36	26.58	26.78	26.97	27.18	0.9%
Natural Gas	13.34	13.51	13.38	13.52	13.59	13.69	13.82	13.98	14.07	14.18	14.26	14.39	14.21	0.2%
Electricity	33.07	33.31	32.90	33.20	33.35	33.42	33.60	33.99	34.04	34.29	34.45	34.56	34.24	-0.1%
Commercial	17.98	18.18	17.95	18.12	18.24	18.32	18.47	18.73	18.84	19.06	19.24	19.35	19.18	0.0%
Primary Energy 1/	10.27	10.39	10.34	10.39	10.44	10.56	10.65	10.72	10.81	10.88	10.95	10.97	10.88	-0.1%
Petroleum Products 2/	10.80	10.92	11.03	11.03	11.14	11.37	11.47	11.50	11.67	11.76	11.88	11.83	11.96	0.4%
Distillate Fuel	11.28	11.40	11.52	11.47	11.59	11.88	11.98	11.97	12.19	12.29	12.44	12.35	12.51	0.6%
Residual Fuel	5.54	5.59	5.64	5.71	5.79	5.86	5.93	6.01	6.06	6.11	6.16	6.20	6.25	0.2%
Natural Gas	9.97	10.10	9.94	10.02	10.04	10.10	10.19	10.29	10.34	10.40	10.45	10.51	10.30	-0.4%
Electricity	26.24	26.44	25.95	26.18	26.32	26.28	26.42	26.80	26.86	27.17	27.39	27.54	27.22	-0.4%
Industrial 3/	10.48	10.65	10.57	10.65	10.72	10.68	10.76	10.90	10.96	11.06	11.15	11.19	11.05	-0.2%
Primary Energy	7.79	7.91	7.92	7.95	8.00	7.95	8.01	8.10	8.16	8.24	8.30	8.33	8.27	0.2%
Petroleum Products 2/	8.42	8.56	8.71	8.68	8.77	8.61	8.65	8.73	8.81	8.90	8.98	8.97	9.06	0.6%
Distillate Fuel	11.93	12.07	12.21	12.08	12.15	12.58	12.68	12.60	12.95	13.11	13.32	13.13	13.34	0.8%
Liquefied Petroleum Gas	14.68	14.92	15.16	15.40	15.58	15.78	15.96	16.15	16.27	16.40	16.53	16.65	16.78	0.1%
Residual Fuel	5.53	5.58	5.63	5.70	5.77	5.85	5.92	5.99	6.04	6.09	6.14	6.19	6.24	0.2%
Natural Gas 4/	7.21	7.35	7.20	7.30	7.34	7.40	7.50	7.61	7.66	7.73	7.78	7.86	7.67	-0.4%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Industrial Coal 5/	2.42	2.42	2.41	2.42	2.42	2.42	2.42	2.42	2.42	2.43	2.44	2.44	2.46	0.0%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	21.19	21.51	21.12	21.40	21.56	21.61	21.81	22.21	22.28	22.56	22.78	22.90	22.51	-0.6%
Transportation	16.27	16.43	16.61	16.65	16.73	16.90	16.99	17.04	17.19	17.27	17.39	17.39	17.50	0.6%
Primary Energy	16.23	16.39	16.57	16.61	16.70	16.86	16.96	17.01	17.15	17.24	17.36	17.35	17.46	0.6%
Petroleum Products 2/	16.26	16.42	16.60	16.64	16.73	16.90	16.99	17.04	17.19	17.27	17.39	17.39	17.50	0.6%
Distillate Fuel 6/	15.65	15.77	15.90	15.70	15.72	16.18	16.26	16.11	16.50	16.68	16.89	16.63	16.84	0.6%
Jet Fuel 7/	10.64	10.76	10.93	11.03	11.16	11.18	11.29	11.32	11.44	11.57	11.77	11.82	11.94	0.9%
Motor Gasoline 8/	17.07	17.24	17.44	17.53	17.64	17.74	17.84	17.94	18.03	18.08	18.17	18.24	18.32	0.6%
Residual Fuel	3.90	3.95	4.00	4.07	4.14	4.22	4.29	4.37	4.41	4.46	4.51	4.56	4.61	0.1%
Liquefied Petroleum Gas 9/	18.93	19.16	19.43	19.68	19.86	20.05	20.23	20.42	20.54	20.66	20.78	20.89	21.02	0.9%
Natural Gas 10/	10.89	11.03	10.89	10.99	11.02	11.08	11.18	11.28	11.33	11.39	11.44	11.50	11.31	0.0%
Ethanol (E85) 11/	21.67	21.89	21.91	21.99	22.14	22.23	22.34	22.49	22.73	22.66	23.00	23.09	23.21	0.5%
Electricity	27.12	27.39	26.99	27.25	27.39	27.44	27.60	27.96	27.99	28.21	28.36	28.39	28.00	-0.3%
Average End-Use Energy	16.37	16.56	16.60	16.71	16.84	16.96	17.09	17.24	17.36	17.50	17.64	17.69	17.69	0.4%
Primary Energy	13.91	14.08	14.20	14.26	14.37	14.50	14.61	14.70	14.82	14.91	15.02	15.04	15.10	0.5%
Electricity	27.92	28.16	27.73	27.99	28.14	28.16	28.32	28.71	28.76	29.05	29.25	29.37	29.04	-0.3%
Electric Power 12/														
Fossil Fuel Average	4.69	4.80	4.71	4.81	4.79	4.75	4.74	4.75	4.72	4.71	4.68	4.64	4.52	-0.5%
Petroleum Products	4.82	4.86	4.89	4.95	5.01	5.11	5.17	5.24	5.28	5.32	5.36	5.39	5.45	0.4%
Distillate Fuel	9.29	9.37	9.44	9.50	9.67	9.76	9.85	9.93	9.97	9.98	10.04	10.09	10.15	0.4%
Residual Fuel	4.34	4.39	4.43	4.50	4.57	4.64	4.70	4.77	4.82	4.86	4.91	4.95	5.00	0.3%
Natural Gas	5.74	5.89	5.74	5.86	5.90	5.95	6.04	6.13	6.18	6.24	6.29	6.35	6.17	-0.3%
Steam Coal 5/	2.56	2.55	2.56	2.56	2.58	2.55	2.57	2.62	2.60	2.61	2.60	2.61	2.63	0.0%

Table 11. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
New England

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	14.28	14.45	14.67	14.73	14.86	15.02	15.14	15.22	15.36	15.45	15.57	15.59	15.73	0.7%
Distillate Fuel	13.73	13.87	14.01	13.98	14.12	14.42	14.55	14.56	14.80	14.93	15.10	14.99	15.19	0.5%
Jet Fuel	10.64	10.76	10.93	11.03	11.16	11.18	11.29	11.32	11.44	11.57	11.77	11.82	11.94	0.9%
Liquefied Petroleum Gas	20.96	21.29	21.75	22.14	22.42	22.71	22.99	23.27	23.46	23.66	23.86	24.04	24.24	0.7%
Motor Gasoline 8/	17.07	17.24	17.44	17.53	17.64	17.74	17.84	17.94	18.03	18.08	18.17	18.24	18.32	0.6%
Residual Fuel	4.75	4.80	4.85	4.92	4.99	5.07	5.14	5.21	5.26	5.30	5.35	5.39	5.44	0.3%
Natural Gas	8.28	8.41	8.29	8.36	8.42	8.51	8.64	8.77	8.85	8.95	9.03	9.14	8.96	-0.1%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Coal 5/	2.42	2.43	2.42	2.42	2.43	2.42	2.43	2.43	2.43	2.44	2.45	2.45	2.46	-0.3%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol (E85) 11/	21.67	21.89	21.91	21.99	22.14	22.23	22.34	22.49	22.73	22.66	23.00	23.09	23.21	0.5%
Electricity	27.92	28.16	27.73	27.99	28.14	28.16	28.32	28.71	28.76	29.05	29.25	29.37	29.04	-0.3%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	13.28	13.43	13.44	13.53	13.65	13.73	13.87	13.98	14.04	14.13	14.25	14.27	14.23	0.3%
Commercial	8.83	9.03	9.02	9.22	9.40	9.55	9.75	10.00	10.18	10.41	10.64	10.84	10.89	1.2%
Industrial	4.20	4.25	4.20	4.22	4.24	4.23	4.26	4.32	4.35	4.40	4.44	4.46	4.41	-0.3%
Transportation	20.85	21.26	21.68	21.91	22.20	22.60	22.91	23.16	23.56	23.88	24.26	24.47	24.85	1.7%
Total Non-Renewable Expenditures	47.17	47.97	48.34	48.89	49.50	50.11	50.79	51.46	52.12	52.83	53.59	54.04	54.37	1.0%
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	6.7%
Total Expenditures	47.17	47.97	48.35	48.89	49.51	50.12	50.79	51.47	52.13	52.84	53.59	54.05	54.38	1.0%

Table 11. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
New England

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 12. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Middle Atlantic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	16.15	17.81	19.34	18.87	17.63	17.10	16.86	16.62	16.62	16.74	16.94	16.88	16.73	16.90	16.98
Primary Energy 1/	10.59	12.68	14.42	14.39	13.56	13.26	12.90	12.54	12.41	12.36	12.37	12.29	12.14	12.28	12.29
Petroleum Products 2/	10.83	14.38	15.33	16.72	15.41	15.03	14.57	14.05	14.05	14.15	13.99	14.00	13.96	14.36	14.34
Distillate Fuel	10.15	14.04	14.74	16.05	14.49	14.14	13.67	13.14	13.12	13.23	13.04	13.04	12.99	13.33	13.27
Liquefied Petroleum Gas	18.84	21.73	24.73	26.86	26.37	25.30	24.56	23.83	23.87	23.77	23.67	23.56	23.46	24.20	24.30
Natural Gas	10.49	11.80	13.95	13.26	12.68	12.42	12.12	11.84	11.65	11.54	11.63	11.53	11.32	11.35	11.40
Electricity	35.01	34.66	35.06	32.96	30.13	28.78	28.78	28.81	29.10	29.67	30.34	30.22	29.93	30.11	30.27
Commercial	16.47	17.50	19.20	18.62	16.96	16.36	15.76	15.21	14.94	14.95	15.19	15.09	14.88	14.99	15.05
Primary Energy 1/	8.19	9.60	11.08	10.75	9.89	9.67	9.37	9.11	8.98	8.87	8.90	8.80	8.64	8.68	8.69
Petroleum Products 2/	7.11	9.24	10.91	11.57	9.98	9.77	9.39	9.08	9.17	9.15	9.11	9.08	9.11	9.25	9.24
Distillate Fuel	7.45	10.28	10.81	11.77	11.32	11.05	10.64	10.35	10.54	10.56	10.53	10.48	10.57	10.74	10.70
Residual Fuel	5.28	6.57	9.76	9.79	7.07	6.76	6.46	6.15	6.13	6.10	6.08	6.05	6.03	6.08	6.13
Natural Gas	8.74	9.97	11.42	10.70	10.10	9.87	9.59	9.33	9.11	8.97	9.03	8.89	8.66	8.67	8.68
Electricity	32.14	31.59	33.08	31.44	28.34	26.86	25.68	24.61	24.05	24.22	24.74	24.61	24.27	24.43	24.52
Industrial 3/	8.06	8.65	10.38	10.49	9.52	9.18	8.58	8.38	8.13	8.10	8.19	8.07	7.96	8.05	8.10
Primary Energy	5.70	6.25	7.48	7.66	6.99	6.78	6.34	6.38	6.22	6.20	6.21	6.10	6.02	6.09	6.12
Petroleum Products 2/	6.95	7.51	8.98	9.71	8.76	8.48	7.81	8.10	7.93	7.94	7.94	7.81	7.76	7.90	7.95
Distillate Fuel	7.57	10.45	10.98	11.97	11.48	11.39	10.91	10.80	11.32	11.29	11.36	11.25	11.43	11.52	11.49
Liquefied Petroleum Gas	16.54	16.35	20.19	22.79	15.61	14.95	14.54	14.09	14.11	14.05	13.99	13.93	13.87	14.33	14.42
Residual Fuel	5.04	6.26	9.31	9.34	6.86	6.55	6.25	5.94	5.92	5.89	5.87	5.85	5.82	5.87	5.92
Natural Gas 4/	6.72	7.50	9.43	8.51	7.78	7.42	7.01	6.63	6.42	6.29	6.35	6.22	6.00	6.02	6.03
Metallurgical Coal 5/	1.89	2.22	2.27	2.34	2.34	2.35	2.37	2.33	2.30	2.27	2.23	2.21	2.20	2.19	2.20
Other Industrial Coal 5/	1.69	1.82	1.85	1.87	1.90	1.96	2.01	2.03	1.98	1.96	1.94	1.91	1.89	1.88	1.87
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	19.03	19.84	23.63	23.48	21.66	20.71	19.41	18.04	17.32	17.31	17.73	17.56	17.31	17.47	17.59
Transportation	12.08	14.07	17.42	17.69	16.55	16.12	15.58	15.09	15.10	15.07	15.05	14.99	15.02	15.19	15.18
Primary Energy	12.03	14.03	17.38	17.65	16.52	16.09	15.55	15.06	15.06	15.04	15.02	14.96	14.99	15.15	15.15
Petroleum Products 2/	12.03	14.03	17.38	17.66	16.52	16.10	15.55	15.07	15.07	15.05	15.02	14.97	15.00	15.17	15.16
Distillate Fuel 6/	11.74	13.83	17.75	17.91	16.16	15.84	15.36	15.06	15.28	15.20	15.29	15.11	15.31	15.33	15.27
Jet Fuel 7/	6.63	9.00	12.61	12.94	10.61	10.39	9.95	9.70	9.88	10.00	9.82	9.95	10.00	10.19	10.14
Motor Gasoline 8/	13.61	15.68	19.02	19.27	18.58	18.04	17.44	16.85	16.79	16.72	16.67	16.60	16.58	16.79	16.81
Residual Fuel	4.75	4.95	5.38	6.56	5.69	5.48	5.02	4.72	4.69	4.67	4.64	4.62	4.60	4.64	4.69
Liquefied Petroleum Gas 9/	17.14	17.14	23.16	25.16	19.62	18.89	18.41	17.90	17.90	17.80	17.70	17.60	17.51	17.96	18.02
Natural Gas 10/	10.40	11.35	13.77	12.95	12.31	12.02	11.66	11.32	11.12	10.99	11.05	10.92	10.69	10.69	10.69
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.98	23.28	22.26	21.48	21.44	20.98	20.89	20.80	20.77	21.04	21.05
Electricity	26.07	25.70	28.12	28.22	25.38	24.27	23.97	23.70	23.70	24.10	24.66	24.52	24.21	24.37	24.48
Average End-Use Energy	12.99	14.40	16.74	16.60	15.36	14.90	14.41	14.04	13.95	13.96	14.07	14.00	13.91	14.06	14.10
Primary Energy	9.84	11.51	13.87	14.01	13.05	12.72	12.29	11.98	11.92	11.89	11.90	11.83	11.78	11.92	11.93
Electricity	29.89	29.77	31.54	30.07	27.39	26.10	25.32	24.58	24.28	24.55	25.11	24.98	24.69	24.86	24.98
Electric Power 12/															
Fossil Fuel Average	2.93	3.09	3.72	3.38	3.16	3.11	2.99	2.91	2.93	2.89	2.92	2.90	2.88	2.92	2.95
Petroleum Products	5.37	5.33	7.46	7.12	6.07	5.83	5.49	5.23	5.22	5.18	5.16	5.14	5.19	5.30	5.34
Distillate Fuel	6.65	9.18	9.64	10.51	9.89	9.65	9.30	8.93	8.90	9.01	8.84	8.86	8.83	9.09	9.04
Residual Fuel	5.10	4.93	7.22	6.74	5.71	5.47	5.12	4.83	4.81	4.79	4.76	4.74	4.72	4.76	4.81
Natural Gas	6.42	6.71	8.26	7.27	6.53	6.20	5.81	5.45	5.30	5.21	5.30	5.19	5.03	5.09	5.12
Steam Coal 5/	1.47	1.59	1.71	1.71	1.73	1.77	1.78	1.80	1.73	1.71	1.69	1.67	1.63	1.62	1.60

Table 12. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Middle Atlantic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	10.53	12.36	15.13	15.62	14.41	14.02	13.52	13.19	13.18	13.16	13.15	13.11	13.19	13.40	13.42
Distillate Fuel	10.24	13.19	15.30	16.12	14.63	14.36	13.90	13.53	13.67	13.73	13.77	13.68	13.80	13.95	13.90
Jet Fuel	6.63	9.00	12.61	12.94	10.61	10.39	9.95	9.70	9.88	10.00	9.82	9.95	10.00	10.19	10.14
Liquefied Petroleum Gas	17.78	19.26	22.79	25.12	21.04	20.25	19.71	19.13	19.18	19.12	19.07	19.01	18.95	19.57	19.69
Motor Gasoline 8/	13.61	15.68	19.02	19.27	18.58	18.04	17.44	16.85	16.79	16.72	16.67	16.60	16.58	16.79	16.81
Residual Fuel	5.05	5.29	7.31	7.41	6.01	5.74	5.38	5.10	5.07	5.05	5.04	5.01	5.01	5.07	5.12
Natural Gas	8.71	9.64	11.38	10.60	9.94	9.63	9.28	8.96	8.70	8.53	8.57	8.42	8.12	8.09	8.09
Metallurgical Coal 5/	1.89	2.22	2.27	2.34	2.34	2.35	2.37	2.33	2.30	2.27	2.23	2.21	2.20	2.19	2.20
Other Coal 5/	1.50	1.61	1.72	1.72	1.75	1.79	1.80	1.81	1.75	1.73	1.71	1.69	1.65	1.64	1.62
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.98	23.28	22.26	21.48	21.44	20.98	20.89	20.80	20.77	21.04	21.05
Electricity	29.89	29.77	31.54	30.07	27.39	26.10	25.32	24.58	24.28	24.55	25.11	24.98	24.69	24.86	24.98
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	29.56	31.97	35.30	33.49	31.12	30.44	30.07	29.75	29.78	30.09	30.33	30.20	29.94	30.30	30.32
Commercial	24.02	24.99	27.92	25.53	23.65	23.05	22.52	22.01	21.88	22.15	22.67	22.68	22.57	22.92	23.20
Industrial	11.22	11.07	13.72	14.59	13.62	13.16	12.34	11.91	11.57	11.50	11.57	11.37	11.21	11.31	11.35
Transportation	34.52	41.30	51.56	52.79	50.18	49.46	48.43	47.58	48.24	48.62	48.93	49.10	49.56	50.44	50.81
Total Non-Renewable Expenditures	99.32	109.33	128.50	126.41	118.57	116.12	113.36	111.25	111.46	112.35	113.50	113.35	113.28	114.96	115.68
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	99.32	109.34	128.50	126.41	118.57	116.12	113.37	111.26	111.47	112.36	113.51	113.36	113.29	114.98	115.69

Table 12. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Middle Atlantic	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	17.28	17.51	17.54	17.76	17.94	18.06	18.24	18.45	18.52	18.65	18.71	18.83	18.95	0.2%
Primary Energy 1/	12.52	12.67	12.70	12.85	12.99	13.10	13.24	13.40	13.50	13.60	13.68	13.77	13.83	0.3%
Petroleum Products 2/	14.69	14.89	15.07	15.24	15.50	15.66	15.86	16.03	16.14	16.22	16.36	16.43	16.63	0.6%
Distillate Fuel	13.58	13.74	13.85	13.95	14.18	14.30	14.45	14.57	14.63	14.66	14.75	14.76	14.93	0.2%
Liquefied Petroleum Gas	24.89	25.25	25.84	26.34	26.68	27.01	27.34	27.67	27.89	28.11	28.33	28.55	28.77	1.1%
Natural Gas	11.58	11.72	11.70	11.85	11.95	12.05	12.19	12.35	12.45	12.57	12.65	12.76	12.78	0.3%
Electricity	30.66	30.98	30.88	31.18	31.33	31.36	31.50	31.72	31.63	31.67	31.56	31.64	31.77	-0.3%
Commercial	15.32	15.58	15.56	15.79	15.93	16.04	16.22	16.44	16.50	16.60	16.64	16.71	16.81	-0.2%
Primary Energy 1/	8.83	8.93	8.92	9.01	9.08	9.18	9.28	9.38	9.46	9.55	9.61	9.65	9.68	0.0%
Petroleum Products 2/	9.38	9.47	9.56	9.58	9.68	9.87	9.96	9.99	10.13	10.20	10.30	10.28	10.39	0.5%
Distillate Fuel	10.88	11.00	11.11	11.07	11.19	11.46	11.56	11.55	11.77	11.86	12.01	11.92	12.08	0.6%
Residual Fuel	6.18	6.23	6.27	6.35	6.42	6.49	6.57	6.64	6.69	6.74	6.79	6.84	6.89	0.2%
Natural Gas	8.82	8.93	8.89	9.01	9.07	9.14	9.25	9.38	9.44	9.53	9.58	9.65	9.65	-0.1%
Electricity	24.93	25.35	25.24	25.61	25.80	25.85	26.04	26.37	26.31	26.37	26.28	26.31	26.43	-0.7%
Industrial 3/	8.21	8.36	8.46	8.48	8.57	8.78	8.80	8.91	8.94	8.98	9.00	9.00	9.05	0.2%
Primary Energy	6.18	6.28	6.43	6.37	6.45	6.71	6.70	6.79	6.86	6.92	6.97	6.98	7.03	0.5%
Petroleum Products 2/	7.97	8.12	8.39	8.22	8.32	8.78	8.70	8.82	8.89	8.96	9.04	9.03	9.11	0.7%
Distillate Fuel	11.65	11.79	11.93	11.80	11.87	12.29	12.39	12.30	12.65	12.81	13.02	12.83	13.04	0.9%
Liquefied Petroleum Gas	14.83	15.08	15.34	15.59	15.79	15.98	16.18	16.37	16.50	16.63	16.76	16.89	17.02	0.2%
Residual Fuel	5.97	6.02	6.07	6.14	6.21	6.29	6.36	6.43	6.48	6.53	6.58	6.63	6.68	0.2%
Natural Gas 4/	6.18	6.29	6.26	6.38	6.45	6.52	6.63	6.75	6.82	6.90	6.95	7.03	7.04	-0.2%
Metallurgical Coal 5/	2.20	2.22	2.24	2.26	2.28	2.28	2.29	2.30	2.31	2.32	2.31	2.31	2.32	0.2%
Other Industrial Coal 5/	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.87	1.88	1.89	1.90	0.2%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	17.98	18.34	18.28	18.62	18.78	18.82	18.96	19.16	19.05	19.04	18.87	18.84	18.90	-0.2%
Transportation	15.34	15.50	15.69	15.73	15.83	15.99	16.09	16.13	16.29	16.39	16.53	16.54	16.67	0.7%
Primary Energy	15.30	15.46	15.66	15.69	15.80	15.96	16.06	16.10	16.25	16.36	16.50	16.51	16.64	0.7%
Petroleum Products 2/	15.32	15.47	15.68	15.71	15.82	15.97	16.07	16.12	16.27	16.38	16.52	16.52	16.65	0.7%
Distillate Fuel 6/	15.38	15.49	15.60	15.41	15.43	15.88	15.95	15.80	16.18	16.34	16.55	16.30	16.51	0.7%
Jet Fuel 7/	10.40	10.54	10.71	10.83	10.96	10.99	11.11	11.14	11.27	11.40	11.61	11.66	11.79	1.0%
Motor Gasoline 8/	16.96	17.14	17.36	17.44	17.56	17.64	17.74	17.83	17.91	17.99	18.09	18.17	18.27	0.6%
Residual Fuel	4.74	4.79	4.84	4.91	4.99	5.06	5.13	5.21	5.26	5.31	5.35	5.40	5.45	0.4%
Liquefied Petroleum Gas 9/	18.43	18.66	18.92	19.18	19.36	19.55	19.73	19.92	20.03	20.15	20.27	20.39	20.51	0.7%
Natural Gas 10/	10.81	10.90	10.84	10.93	10.97	11.01	11.08	11.17	11.21	11.27	11.28	11.33	11.31	0.0%
Ethanol (E85) 11/	21.25	21.46	21.48	21.56	21.71	21.80	21.91	22.06	22.30	22.23	22.57	22.65	22.78	0.5%
Electricity	24.86	25.18	25.11	25.38	25.53	25.55	25.69	25.87	25.77	25.76	25.62	25.63	25.68	0.0%
Average End-Use Energy	14.30	14.49	14.60	14.71	14.84	14.99	15.11	15.24	15.33	15.43	15.51	15.56	15.67	0.3%
Primary Energy	12.09	12.24	12.37	12.43	12.54	12.70	12.80	12.88	13.00	13.10	13.21	13.25	13.35	0.6%
Electricity	25.39	25.76	25.68	26.03	26.21	26.26	26.43	26.70	26.63	26.67	26.57	26.61	26.73	-0.4%
Electric Power 12/														
Fossil Fuel Average	3.01	3.06	3.08	3.14	3.17	3.17	3.17	3.17	3.13	3.11	3.08	3.06	3.05	0.0%
Petroleum Products	5.44	5.44	5.50	5.54	5.64	5.76	5.81	5.88	5.85	5.87	5.91	5.95	5.99	0.5%
Distillate Fuel	9.24	9.32	9.40	9.46	9.63	9.71	9.81	9.89	9.93	9.94	10.00	10.05	10.12	0.4%
Residual Fuel	4.85	4.90	4.95	5.01	5.08	5.15	5.22	5.29	5.33	5.38	5.42	5.47	5.51	0.4%
Natural Gas	5.28	5.40	5.38	5.52	5.60	5.67	5.77	5.87	5.92	5.99	6.02	6.08	6.11	-0.4%
Steam Coal 5/	1.60	1.59	1.59	1.59	1.59	1.59	1.60	1.61	1.63	1.64	1.65	1.67	1.68	0.2%

Table 12. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Middle Atlantic	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	13.59	13.72	13.92	13.93	14.06	14.29	14.37	14.44	14.53	14.60	14.73	14.75	14.88	0.7%
Distillate Fuel	14.09	14.23	14.35	14.27	14.37	14.72	14.83	14.79	15.07	15.21	15.40	15.24	15.45	0.6%
Jet Fuel	10.40	10.54	10.71	10.83	10.96	10.99	11.11	11.14	11.27	11.40	11.61	11.66	11.79	1.0%
Liquefied Petroleum Gas	20.22	20.56	21.02	21.41	21.71	21.99	22.28	22.56	22.76	22.95	23.15	23.34	23.55	0.8%
Motor Gasoline 8/	16.96	17.14	17.36	17.44	17.56	17.64	17.74	17.83	17.91	17.99	18.09	18.17	18.27	0.6%
Residual Fuel	5.18	5.21	5.26	5.32	5.39	5.48	5.54	5.62	5.65	5.68	5.73	5.77	5.81	0.4%
Natural Gas	8.23	8.34	8.28	8.40	8.47	8.54	8.67	8.82	8.94	9.06	9.14	9.24	9.24	-0.2%
Metallurgical Coal 5/	2.20	2.22	2.24	2.26	2.28	2.28	2.29	2.30	2.31	2.32	2.31	2.31	2.32	0.2%
Other Coal 5/	1.62	1.61	1.61	1.61	1.61	1.61	1.62	1.63	1.64	1.65	1.67	1.68	1.69	0.2%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol (E85) 11/	21.25	21.46	21.48	21.56	21.71	21.80	21.91	22.06	22.30	22.23	22.57	22.65	22.78	0.5%
Electricity	25.39	25.76	25.68	26.03	26.21	26.26	26.43	26.70	26.63	26.67	26.57	26.61	26.73	-0.4%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	30.78	31.11	31.16	31.37	31.57	31.68	31.96	32.13	32.16	32.27	32.37	32.40	32.50	0.1%
Commercial	23.76	24.29	24.39	24.90	25.29	25.61	26.04	26.55	26.82	27.15	27.41	27.73	28.11	0.5%
Industrial	11.49	11.73	11.77	11.78	11.87	12.08	12.09	12.23	12.27	12.34	12.34	12.35	12.40	0.4%
Transportation	51.72	52.57	53.48	53.83	54.42	55.20	55.79	56.20	57.03	57.71	58.52	58.90	59.72	1.4%
Total Non-Renewable Expenditures	117.75	119.69	120.80	121.88	123.15	124.57	125.89	127.11	128.28	129.48	130.64	131.38	132.72	0.7%
Transportation Renewable Expenditures	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	6.3%
Total Expenditures	117.76	119.70	120.82	121.90	123.16	124.58	125.90	127.12	128.29	129.49	130.65	131.39	132.74	0.7%

Table 12. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
Middle Atlantic

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 13. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
East North Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	13.06	13.91	15.43	14.82	14.73	14.22	13.92	13.76	13.70	13.68	13.88	13.83	13.71	13.78	13.87
Primary Energy 1/	8.92	9.91	11.94	11.53	10.87	10.54	10.18	9.89	9.69	9.61	9.66	9.57	9.42	9.47	9.54
Petroleum Products 2/	12.41	14.87	16.65	18.22	17.06	16.47	15.95	15.47	15.53	15.56	15.42	15.44	15.43	15.91	16.04
Distillate Fuel	9.12	12.59	13.23	14.41	13.58	13.18	12.63	12.17	12.19	12.39	12.00	12.18	12.24	12.36	12.52
Liquefied Petroleum Gas	13.91	16.02	18.24	19.81	18.58	17.86	17.33	16.81	16.86	16.79	16.72	16.64	16.57	17.15	17.24
Natural Gas	8.50	9.26	11.34	10.70	10.10	9.80	9.46	9.19	8.97	8.86	8.94	8.84	8.66	8.66	8.73
Electricity	24.55	24.30	23.90	22.89	24.04	23.04	22.82	22.86	23.07	23.14	23.57	23.49	23.36	23.39	23.43
Commercial	13.48	14.13	15.82	15.36	15.37	14.91	14.52	14.26	14.11	14.06	14.35	14.31	14.22	14.30	14.38
Primary Energy 1/	7.82	8.67	10.35	9.95	9.41	9.15	8.82	8.58	8.38	8.27	8.31	8.19	8.02	8.03	8.06
Petroleum Products 2/	8.99	11.06	12.32	13.59	13.27	12.83	12.31	11.92	12.07	12.08	11.97	11.97	12.01	12.21	12.27
Distillate Fuel	6.95	9.61	10.09	11.00	10.81	10.49	10.06	9.79	10.00	10.05	9.94	9.96	10.08	10.16	10.21
Residual Fuel	4.50	5.60	8.32	8.35	7.44	7.27	6.96	6.28	6.48	6.49	6.26	6.44	6.36	6.46	6.45
Natural Gas	7.83	8.55	10.32	9.71	9.13	8.88	8.57	8.34	8.09	7.97	8.03	7.90	7.70	7.69	7.73
Electricity	21.53	21.24	22.50	21.81	22.35	21.63	21.13	20.82	20.73	20.72	21.28	21.30	21.29	21.44	21.52
Industrial 3/	7.36	7.82	9.42	9.44	9.08	8.78	8.43	8.14	8.00	7.92	8.03	7.97	7.93	7.95	8.05
Primary Energy	5.75	6.36	7.84	7.86	7.28	7.01	6.69	6.47	6.39	6.31	6.35	6.28	6.23	6.21	6.30
Petroleum Products 2/	7.58	8.31	9.81	10.60	9.70	9.38	9.03	8.81	8.86	8.78	8.82	8.77	8.86	8.79	8.96
Distillate Fuel	7.62	10.52	11.06	12.04	11.61	11.38	10.91	10.77	11.34	11.31	11.36	11.27	11.46	11.53	11.53
Liquefied Petroleum Gas	16.33	16.14	19.96	22.50	16.70	16.06	15.58	15.11	15.16	15.10	15.03	14.97	14.90	15.42	15.51
Residual Fuel	4.62	5.75	8.54	8.57	7.55	7.38	7.06	6.39	6.58	6.59	6.37	6.54	6.46	6.56	6.55
Natural Gas 4/	6.16	6.69	9.06	8.23	7.50	7.11	6.66	6.30	6.06	5.95	6.01	5.89	5.70	5.69	5.74
Metallurgical Coal 5/	1.97	2.32	2.39	2.46	2.47	2.48	2.49	2.46	2.42	2.39	2.34	2.32	2.30	2.29	2.30
Other Industrial Coal 5/	1.59	1.82	1.86	1.87	1.93	1.92	1.92	1.95	1.92	1.90	1.89	1.87	1.87	1.87	1.86
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	13.97	13.83	15.75	15.75	16.47	16.02	15.53	14.94	14.53	14.41	14.77	14.75	14.74	14.87	14.95
Transportation	11.91	13.88	17.17	17.41	16.57	16.07	15.52	15.03	15.06	15.02	15.01	14.92	14.96	15.13	15.11
Primary Energy	11.88	13.86	17.16	17.39	16.56	16.06	15.51	15.02	15.05	15.01	14.99	14.91	14.94	15.11	15.10
Petroleum Products 2/	11.88	13.86	17.16	17.40	16.56	16.07	15.52	15.03	15.06	15.02	15.00	14.92	14.96	15.12	15.11
Distillate Fuel 6/	11.30	13.31	17.08	17.24	15.24	14.86	14.40	14.11	14.33	14.24	14.33	14.16	14.35	14.36	14.30
Jet Fuel 7/	6.47	8.78	12.30	12.62	10.24	9.94	9.50	9.23	9.38	9.49	9.40	9.41	9.55	9.73	9.71
Motor Gasoline 8/	12.77	14.74	17.87	18.12	17.92	17.35	16.77	16.20	16.18	16.11	16.05	15.98	15.95	16.17	16.18
Residual Fuel	4.71	5.02	5.45	6.77	8.06	7.87	7.47	7.12	7.12	7.01	7.05	6.99	7.05	6.98	7.17
Liquefied Petroleum Gas 9/	19.36	19.36	17.08	18.56	20.22	19.55	19.03	18.52	18.55	18.45	18.35	18.25	18.16	18.65	18.71
Natural Gas 10/	9.36	10.31	12.55	11.83	11.19	10.88	10.51	10.20	9.99	9.90	9.98	9.88	9.69	9.69	9.73
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	17.21	19.27	20.36	21.07	21.04	20.57	20.48	20.39	20.26	20.53	20.53
Electricity	20.49	19.85	20.73	21.20	19.43	18.69	18.53	18.54	18.62	18.68	19.07	19.00	18.89	18.96	18.99
Average End-Use Energy	10.86	11.91	14.14	14.03	13.59	13.17	12.77	12.45	12.39	12.35	12.47	12.42	12.39	12.48	12.56
Primary Energy	9.01	10.30	12.71	12.71	12.00	11.64	11.22	10.88	10.83	10.78	10.81	10.74	10.70	10.78	10.84
Electricity	19.68	19.47	20.54	19.98	20.78	20.09	19.70	19.41	19.31	19.31	19.77	19.75	19.72	19.84	19.92
Electric Power 12/															
Fossil Fuel Average	1.44	1.51	2.09	1.99	1.90	1.85	1.78	1.77	1.74	1.75	1.77	1.76	1.76	1.77	1.77
Petroleum Products	6.62	9.04	9.57	10.43	10.10	9.82	9.38	9.03	9.05	9.21	8.90	9.05	9.08	9.19	9.31
Distillate Fuel	6.68	9.23	9.70	10.57	10.12	9.83	9.40	9.05	9.07	9.22	8.92	9.07	9.10	9.20	9.32
Residual Fuel	5.24	5.07	7.42	6.97	7.43	7.26	6.93	6.46	6.55	6.50	6.42	6.47	6.46	6.47	6.56
Natural Gas	4.86	5.08	8.26	7.27	6.50	6.14	5.74	5.40	5.28	5.23	5.34	5.24	5.04	5.04	5.09
Steam Coal 5/	1.24	1.30	1.44	1.46	1.45	1.43	1.39	1.41	1.39	1.38	1.37	1.35	1.35	1.34	1.33

Table 13. Energy Prices by Sector and Source
 (2004 dollars per million Btu, unless otherwise noted)
 East North Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	10.95	12.68	15.51	15.94	15.06	14.61	14.13	13.71	13.75	13.72	13.72	13.66	13.72	13.85	13.89
Distillate Fuel	10.32	12.61	15.48	15.92	14.23	13.91	13.46	13.16	13.40	13.43	13.55	13.43	13.61	13.64	13.61
Jet Fuel	6.47	8.78	12.30	12.62	10.24	9.94	9.50	9.23	9.38	9.49	9.40	9.41	9.55	9.73	9.71
Liquefied Petroleum Gas	14.84	15.99	18.72	20.70	17.88	17.21	16.71	16.22	16.28	16.22	16.16	16.09	16.02	16.58	16.68
Motor Gasoline 8/	12.77	14.74	17.87	18.12	17.92	17.35	16.77	16.20	16.18	16.11	16.05	15.98	15.95	16.17	16.18
Residual Fuel	4.66	5.56	7.89	8.01	7.61	7.42	7.11	6.45	6.63	6.63	6.43	6.58	6.51	6.59	6.61
Natural Gas	7.41	7.99	10.06	9.34	8.67	8.35	7.96	7.66	7.43	7.31	7.36	7.23	7.03	7.01	7.07
Metallurgical Coal 5/	1.97	2.32	2.39	2.46	2.47	2.48	2.49	2.46	2.42	2.39	2.34	2.32	2.30	2.29	2.30
Other Coal 5/	1.27	1.34	1.47	1.49	1.48	1.46	1.43	1.45	1.42	1.42	1.40	1.39	1.38	1.37	1.37
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	17.21	19.27	20.36	21.07	21.04	20.57	20.48	20.39	20.26	20.53	20.53
Electricity	19.68	19.47	20.54	19.98	20.78	20.09	19.70	19.41	19.31	19.31	19.77	19.75	19.72	19.84	19.92
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	30.38	31.30	35.10	33.96	33.68	32.90	32.41	32.27	32.33	32.53	33.00	32.97	32.84	33.21	33.41
Commercial	19.83	20.17	23.08	22.03	22.29	22.04	21.83	21.79	21.93	22.20	22.94	23.17	23.35	23.81	24.24
Industrial	25.71	29.02	32.82	32.06	31.29	30.38	29.31	28.38	27.93	27.68	28.06	27.91	27.82	27.94	28.05
Transportation	45.47	54.35	67.64	69.06	66.64	65.38	63.95	62.73	63.62	64.01	64.43	64.51	65.11	66.23	66.66
Total Non-Renewable Expenditures	121.40	134.84	158.64	157.11	153.90	150.70	147.50	145.17	145.81	146.42	148.44	148.56	149.11	151.18	152.36
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	121.40	134.84	158.65	157.12	153.91	150.71	147.51	145.18	145.82	146.43	148.45	148.57	149.12	151.19	152.37

Table 13. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
East North Central

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	14.09	14.27	14.32	14.49	14.61	14.72	14.88	15.06	15.14	15.28	15.39	15.49	15.71	0.5%
Primary Energy 1/	9.74	9.91	9.96	10.12	10.23	10.34	10.49	10.64	10.75	10.91	11.09	11.18	11.35	0.5%
Petroleum Products 2/	16.48	16.71	17.09	17.36	17.67	17.88	18.20	18.34	18.51	18.97	20.06	19.98	19.97	1.1%
Distillate Fuel	12.80	12.73	12.96	13.03	13.34	13.41	13.52	13.49	13.50	13.48	13.48	13.24	13.36	0.2%
Liquefied Petroleum Gas	17.71	17.99	18.38	18.67	18.94	19.14	19.47	19.61	19.76	20.29	21.58	21.48	21.38	1.1%
Natural Gas	8.90	9.06	9.08	9.22	9.31	9.40	9.54	9.69	9.79	9.91	9.99	10.09	10.29	0.4%
Electricity	23.56	23.65	23.55	23.66	23.70	23.71	23.78	23.88	23.81	23.80	23.67	23.71	23.91	-0.1%
Commercial	14.59	14.76	14.78	14.95	15.07	15.18	15.34	15.52	15.59	15.69	15.74	15.82	16.04	0.5%
Primary Energy 1/	8.22	8.35	8.37	8.47	8.55	8.62	8.74	8.85	8.93	9.03	9.11	9.17	9.32	0.3%
Petroleum Products 2/	12.50	12.61	12.83	12.94	13.10	13.24	13.39	13.39	13.49	13.65	14.01	13.86	13.94	0.9%
Distillate Fuel	10.38	10.42	10.58	10.64	10.79	10.91	11.01	10.94	11.04	11.10	11.21	10.99	11.11	0.6%
Residual Fuel	6.46	6.47	6.79	6.72	6.69	6.74	6.96	7.02	7.02	7.10	7.06	7.08	7.28	1.0%
Natural Gas	7.88	8.01	8.01	8.12	8.19	8.26	8.38	8.50	8.58	8.68	8.73	8.81	8.98	0.2%
Electricity	21.73	21.89	21.85	22.03	22.13	22.23	22.40	22.61	22.61	22.67	22.62	22.67	22.90	0.3%
Industrial 3/	8.16	8.28	8.04	7.89	7.78	7.74	7.65	7.65	7.59	7.58	7.60	7.56	7.67	-0.1%
Primary Energy	6.39	6.50	6.28	6.14	6.06	6.03	5.95	5.96	5.93	5.94	5.99	5.97	6.08	-0.2%
Petroleum Products 2/	9.00	9.11	9.17	9.25	9.39	9.59	9.55	9.62	9.73	9.82	10.05	10.12	10.22	0.8%
Distillate Fuel	11.68	11.81	11.95	12.03	12.13	12.31	12.41	12.34	12.50	12.64	12.83	12.54	12.73	0.7%
Liquefied Petroleum Gas	15.95	16.21	16.54	16.79	17.03	17.21	17.52	17.63	17.77	18.26	19.39	19.32	19.24	0.7%
Residual Fuel	6.56	6.57	6.89	6.83	6.79	6.84	7.07	7.12	7.12	7.20	7.17	7.18	7.38	1.0%
Natural Gas 4/	5.90	6.04	6.04	6.16	6.24	6.30	6.42	6.54	6.61	6.71	6.77	6.84	7.02	0.2%
Metallurgical Coal 5/	2.30	2.32	2.34	2.36	2.38	2.38	2.39	2.40	2.41	2.41	2.41	2.41	2.42	0.2%
Other Industrial Coal 5/	1.86	1.85	1.86	1.86	1.87	1.88	1.90	1.91	1.93	1.94	1.97	1.98	2.00	0.4%
Coal to Liquids	0.00	0.00	1.38	1.39	1.41	1.41	1.42	1.43	1.44	1.45	1.46	1.46	1.47	N/A
Electricity	15.14	15.30	15.28	15.45	15.55	15.61	15.72	15.83	15.79	15.78	15.68	15.69	15.85	0.5%
Transportation	15.27	15.42	15.62	15.69	15.79	15.89	15.97	16.01	16.12	16.21	16.36	16.31	16.43	0.7%
Primary Energy	15.26	15.41	15.61	15.68	15.78	15.88	15.96	16.00	16.11	16.20	16.35	16.31	16.42	0.7%
Petroleum Products 2/	15.28	15.42	15.63	15.70	15.80	15.90	15.97	16.01	16.12	16.21	16.36	16.32	16.44	0.7%
Distillate Fuel 6/	14.41	14.53	14.61	14.67	14.71	14.88	14.95	14.85	15.00	15.15	15.34	15.02	15.20	0.5%
Jet Fuel 7/	9.94	9.98	10.27	10.35	10.46	10.56	10.50	10.53	10.68	10.85	11.15	11.21	11.33	1.0%
Motor Gasoline 8/	16.35	16.52	16.75	16.82	16.94	17.02	17.11	17.20	17.28	17.35	17.46	17.52	17.62	0.7%
Residual Fuel	7.15	7.21	7.23	7.33	7.42	7.56	7.61	7.71	7.77	7.84	7.90	7.96	8.09	1.9%
Liquefied Petroleum Gas 9/	19.12	19.35	19.65	19.88	20.10	20.25	20.53	20.62	20.74	21.21	22.33	22.24	22.13	0.5%
Natural Gas 10/	9.88	10.01	10.00	10.10	10.16	10.21	10.30	10.40	10.46	10.53	10.56	10.62	10.77	0.2%
Ethanol (E85) 11/	20.73	20.89	20.90	20.98	21.12	21.22	21.33	21.48	21.73	21.64	22.00	22.08	22.21	0.4%
Electricity	19.14	19.25	19.22	19.33	19.38	19.41	19.49	19.58	19.51	19.49	19.38	19.39	19.58	-0.1%
Average End-Use Energy	12.73	12.88	12.84	12.82	12.81	12.84	12.85	12.90	12.90	12.95	13.03	13.00	13.15	0.4%
Primary Energy	11.00	11.14	11.11	11.06	11.04	11.06	11.06	11.08	11.10	11.15	11.26	11.21	11.34	0.4%
Electricity	20.11	20.26	20.22	20.39	20.49	20.56	20.69	20.85	20.82	20.84	20.77	20.81	21.03	0.3%
Electric Power 12/														
Fossil Fuel Average	1.80	1.83	1.84	1.87	1.90	1.92	1.95	1.96	1.98	2.01	2.03	2.05	2.07	1.2%
Petroleum Products	9.50	9.44	9.64	9.69	9.90	9.96	10.05	9.99	10.02	9.98	9.99	9.84	9.89	0.3%
Distillate Fuel	9.51	9.45	9.65	9.70	9.91	9.98	10.06	10.01	10.03	10.00	10.01	9.86	9.90	0.3%
Residual Fuel	6.55	6.59	6.74	6.76	6.79	6.88	7.00	7.07	7.10	7.17	7.19	7.22	7.37	1.5%
Natural Gas	5.26	5.42	5.43	5.56	5.64	5.70	5.82	5.94	6.02	6.11	6.17	6.25	6.41	0.9%
Steam Coal 5/	1.33	1.33	1.34	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	1.42	1.43	0.4%

Table 13. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

East North Central	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	14.04	14.18	14.36	14.45	14.56	14.70	14.76	14.80	14.91	15.02	15.22	15.19	15.29	0.7%
Distillate Fuel	13.74	13.86	13.96	14.03	14.10	14.27	14.35	14.26	14.42	14.56	14.75	14.44	14.63	0.6%
Jet Fuel	9.94	9.98	10.27	10.35	10.46	10.56	10.50	10.53	10.68	10.85	11.15	11.21	11.33	1.0%
Liquefied Petroleum Gas	17.14	17.41	17.78	18.06	18.32	18.51	18.84	18.97	19.11	19.63	20.86	20.76	20.68	1.0%
Motor Gasoline 8/	16.35	16.52	16.75	16.82	16.94	17.02	17.11	17.20	17.28	17.35	17.46	17.52	17.62	0.7%
Residual Fuel	6.61	6.63	6.92	6.87	6.84	6.90	7.11	7.17	7.18	7.26	7.24	7.24	7.44	1.1%
Natural Gas	7.22	7.35	7.35	7.47	7.54	7.61	7.72	7.85	7.93	8.03	8.09	8.17	8.34	0.2%
Metallurgical Coal 5/	2.30	2.32	2.34	2.36	2.38	2.38	2.39	2.40	2.41	2.41	2.41	2.41	2.42	0.2%
Other Coal 5/	1.36	1.36	1.37	1.38	1.38	1.39	1.40	1.41	1.42	1.44	1.45	1.46	1.47	0.4%
Coal to Liquids	0.00	0.00	1.38	1.39	1.41	1.41	1.42	1.43	1.44	1.45	1.46	1.46	1.47	N/A
Ethanol (E85) 11/	20.73	20.89	20.90	20.98	21.12	21.22	21.33	21.48	21.73	21.64	22.00	22.08	22.21	0.4%
Electricity	20.11	20.26	20.22	20.39	20.49	20.56	20.69	20.85	20.82	20.84	20.77	20.81	21.03	0.3%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	33.96	34.40	34.61	34.93	35.20	35.44	35.89	36.17	36.34	36.65	36.99	37.12	37.60	0.7%
Commercial	24.86	25.42	25.73	26.31	26.81	27.31	27.87	28.48	28.90	29.39	29.81	30.30	31.06	1.7%
Industrial	28.50	28.92	28.93	29.30	29.65	29.98	30.22	30.58	30.87	31.19	31.47	31.73	32.23	0.4%
Transportation	67.82	68.83	70.03	70.64	71.36	72.12	72.76	73.25	74.10	74.91	75.97	76.18	77.15	1.4%
Total Non-Renewable Expenditures	155.16	157.57	159.31	161.17	163.03	164.85	166.74	168.47	170.22	172.14	174.25	175.33	178.04	1.1%
Transportation Renewable Expenditures	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	6.1%
Total Expenditures	155.17	157.58	159.32	161.19	163.05	164.86	166.76	168.49	170.23	172.15	174.26	175.34	178.06	1.1%

Table 13. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
East North Central

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 14. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
West North Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	13.76	14.61	16.64	16.51	16.00	15.66	15.45	15.36	15.16	14.99	15.05	15.00	14.80	14.86	14.95
Primary Energy 1/	9.23	10.50	12.22	12.13	11.67	11.36	11.01	10.71	10.59	10.49	10.52	10.44	10.20	10.25	10.33
Petroleum Products 2/	10.96	12.95	14.57	15.83	15.45	14.88	14.41	13.96	14.01	14.00	13.89	13.87	13.83	14.26	14.37
Distillate Fuel	8.70	12.03	12.64	13.77	12.79	12.42	11.89	11.46	11.48	11.67	11.30	11.47	11.53	11.64	11.79
Liquefied Petroleum Gas	11.45	13.19	15.02	16.30	16.04	15.42	14.96	14.50	14.56	14.50	14.43	14.37	14.31	14.81	14.90
Natural Gas	8.79	9.83	11.59	11.16	10.69	10.46	10.13	9.87	9.70	9.59	9.66	9.56	9.26	9.22	9.29
Electricity	22.37	22.20	24.26	24.17	23.44	22.94	22.90	23.10	22.70	22.31	22.34	22.25	22.05	22.06	22.10
Commercial	12.30	13.01	15.00	15.10	14.66	14.42	14.24	14.18	13.92	13.71	13.80	13.76	13.58	13.64	13.72
Primary Energy 1/	7.74	8.76	10.09	9.91	9.51	9.30	8.98	8.74	8.59	8.49	8.51	8.41	8.15	8.13	8.17
Petroleum Products 2/	8.82	10.72	12.15	13.34	13.14	12.74	12.23	11.81	11.94	11.94	11.84	11.84	11.87	12.08	12.14
Distillate Fuel	6.89	9.51	10.00	10.88	10.59	10.29	9.87	9.60	9.81	9.86	9.75	9.77	9.89	9.97	10.01
Residual Fuel	4.34	5.40	8.03	8.05	7.43	7.26	6.94	6.27	6.46	6.47	6.25	6.42	6.34	6.44	6.44
Natural Gas	7.78	8.68	10.05	9.63	9.17	8.97	8.68	8.45	8.26	8.13	8.17	8.05	7.74	7.68	7.73
Electricity	18.15	18.04	20.43	20.72	20.11	19.77	19.70	19.82	19.39	19.05	19.15	19.15	19.04	19.14	19.23
Industrial 3/	7.27	7.88	9.28	9.61	9.03	8.76	8.45	8.26	8.08	7.87	7.83	7.74	7.62	7.59	7.61
Primary Energy	6.00	6.74	8.21	8.48	7.88	7.61	7.26	7.02	6.90	6.72	6.68	6.57	6.44	6.40	6.42
Petroleum Products 2/	8.31	9.40	10.72	11.80	10.98	10.64	10.25	10.02	10.14	10.06	10.10	10.04	10.14	10.12	10.29
Distillate Fuel	7.53	10.40	10.94	11.91	11.35	11.17	10.71	10.57	11.12	11.10	11.14	11.06	11.25	11.31	11.31
Liquefied Petroleum Gas	12.61	12.46	15.40	17.36	13.71	13.18	12.78	12.38	12.44	12.39	12.34	12.28	12.23	12.65	12.74
Residual Fuel	4.34	5.40	8.03	8.05	7.46	7.29	6.97	6.30	6.49	6.50	6.28	6.45	6.37	6.47	6.47
Natural Gas 4/	5.48	5.99	8.67	8.06	7.44	7.11	6.68	6.31	6.12	5.99	6.05	5.94	5.60	5.56	5.62
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Industrial Coal 5/	1.09	1.19	1.23	1.24	1.25	1.24	1.25	1.26	1.28	1.28	1.29	1.28	1.28	1.29	1.29
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.91	0.95	0.94	0.96	0.97	0.99
Electricity	13.13	13.24	14.21	14.86	14.47	14.23	14.18	14.19	13.78	13.55	13.62	13.62	13.54	13.60	13.67
Transportation	12.53	14.57	18.03	18.25	16.21	15.73	15.18	14.69	14.73	14.68	14.67	14.58	14.63	14.78	14.77
Primary Energy	12.51	14.56	18.03	18.25	16.20	15.72	15.17	14.69	14.72	14.67	14.67	14.58	14.62	14.78	14.76
Petroleum Products 2/	12.52	14.57	18.04	18.26	16.21	15.73	15.18	14.70	14.73	14.69	14.68	14.59	14.64	14.79	14.78
Distillate Fuel 6/	11.10	13.09	16.80	16.96	14.99	14.59	14.15	13.86	14.07	13.99	14.07	13.90	14.09	14.11	14.04
Jet Fuel 7/	6.84	9.27	13.00	13.34	10.56	10.26	9.82	9.52	9.66	9.75	9.64	9.64	9.76	9.94	9.91
Motor Gasoline 8/	13.76	15.84	19.21	19.46	17.50	16.94	16.34	15.78	15.75	15.68	15.61	15.54	15.52	15.74	15.75
Residual Fuel	3.90	3.93	4.28	5.43	6.92	6.72	6.33	5.97	5.97	5.86	5.90	5.84	5.90	5.83	6.02
Liquefied Petroleum Gas 9/	16.80	16.80	14.07	15.28	17.14	16.59	16.16	15.74	15.76	15.68	15.59	15.51	15.43	15.82	15.87
Natural Gas 10/	7.97	9.04	11.37	10.87	10.37	10.15	9.81	9.53	9.39	9.30	9.39	9.30	8.98	8.96	9.03
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	16.51	18.59	19.53	20.25	20.22	19.74	19.65	19.56	19.53	19.80	19.81
Electricity	17.44	17.67	17.53	18.46	17.92	17.61	17.64	17.87	17.54	17.27	17.35	17.34	17.22	17.28	17.35
Average End-Use Energy	11.15	12.33	14.74	14.91	13.77	13.41	13.04	12.77	12.63	12.47	12.47	12.40	12.33	12.40	12.43
Primary Energy	9.63	11.10	13.56	13.71	12.45	12.08	11.64	11.27	11.21	11.08	11.06	10.97	10.90	10.97	10.98
Electricity	18.15	18.07	19.99	20.24	19.65	19.29	19.25	19.36	18.95	18.64	18.71	18.69	18.57	18.65	18.72
Electric Power 12/															
Fossil Fuel Average	1.07	1.08	1.38	1.33	1.27	1.22	1.19	1.17	1.18	1.18	1.19	1.19	1.20	1.20	1.21
Petroleum Products	6.09	8.17	8.43	9.59	9.90	9.67	9.22	8.87	8.90	9.05	8.73	8.88	8.92	9.02	9.14
Distillate Fuel	6.74	9.30	9.78	10.64	9.96	9.68	9.24	8.90	8.92	9.07	8.77	8.92	8.95	9.05	9.17
Residual Fuel	4.20	4.07	5.94	5.57	6.36	6.19	5.86	5.39	5.48	5.43	5.35	5.40	5.39	5.40	5.49
Natural Gas	5.65	6.04	8.17	7.18	6.47	6.07	5.65	5.34	5.21	5.20	5.36	5.31	5.07	5.08	5.15
Steam Coal 5/	0.90	0.90	1.05	1.08	1.04	1.02	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00

Table 14. Energy Prices by Sector and Source
 (2004 dollars per million Btu, unless otherwise noted)
 West North Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	11.43	13.27	16.11	16.63	14.99	14.56	14.06	13.64	13.71	13.68	13.68	13.61	13.67	13.82	13.86
Distillate Fuel	9.96	12.24	14.93	15.41	13.79	13.50	13.05	12.77	13.04	13.06	13.19	13.07	13.25	13.30	13.27
Jet Fuel	6.84	9.27	13.00	13.34	10.56	10.26	9.82	9.52	9.66	9.75	9.64	9.64	9.76	9.94	9.91
Liquefied Petroleum Gas	12.01	12.79	15.11	16.76	14.94	14.38	13.96	13.54	13.59	13.54	13.49	13.44	13.38	13.85	13.94
Motor Gasoline 8/	13.75	15.84	19.21	19.46	17.50	16.94	16.34	15.78	15.75	15.68	15.61	15.54	15.52	15.74	15.75
Residual Fuel	4.27	4.95	6.96	7.02	7.36	7.23	6.88	6.25	6.43	6.43	6.23	6.38	6.32	6.40	6.41
Natural Gas	7.31	8.03	10.02	9.51	8.93	8.65	8.26	7.94	7.74	7.59	7.64	7.53	7.20	7.16	7.22
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Coal 5/	0.92	0.93	1.07	1.09	1.06	1.04	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.91	0.95	0.94	0.96	0.97	0.99
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	16.51	18.59	19.53	20.25	20.22	19.74	19.65	19.56	19.53	19.80	19.81
Electricity	18.15	18.07	19.99	20.24	19.65	19.29	19.25	19.36	18.95	18.64	18.71	18.69	18.57	18.65	18.72
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	12.78	13.32	15.42	15.56	15.12	14.99	14.91	14.97	14.89	14.88	15.00	15.05	14.98	15.18	15.32
Commercial	8.31	8.55	10.09	10.13	9.98	10.02	10.07	10.20	10.17	10.21	10.43	10.55	10.59	10.80	11.03
Industrial	10.13	11.22	13.13	13.76	13.32	13.14	12.90	12.80	12.83	12.81	12.93	12.84	12.68	12.68	12.84
Transportation	23.79	28.41	35.38	36.17	32.87	32.44	31.84	31.33	31.87	32.15	32.46	32.58	32.99	33.64	33.94
Total Non-Renewable Expenditures	55.02	61.50	74.03	75.63	71.29	70.59	69.71	69.30	69.77	70.04	70.82	71.01	71.24	72.31	73.14
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Total Expenditures	55.02	61.50	74.03	75.63	71.29	70.59	69.71	69.30	69.77	70.04	70.82	71.02	71.25	72.31	73.14

Table 14. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

West North Central	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	15.10	15.25	15.26	15.35	15.43	15.48	15.61	15.74	15.82	15.95	16.11	16.20	16.39	0.4%
Primary Energy 1/	10.53	10.73	10.77	10.90	11.01	11.11	11.28	11.42	11.54	11.71	11.97	12.04	12.20	0.6%
Petroleum Products 2/	14.77	14.97	15.26	15.47	15.68	15.83	16.07	16.16	16.30	16.69	17.60	17.54	17.49	1.2%
Distillate Fuel	12.05	11.98	12.20	12.27	12.36	12.40	12.34	12.34	12.50	12.45	12.51	12.46	12.51	0.2%
Liquefied Petroleum Gas	15.33	15.58	15.89	16.12	16.36	16.53	16.83	16.93	17.06	17.53	18.62	18.56	18.48	1.3%
Natural Gas	9.45	9.64	9.62	9.73	9.81	9.90	10.04	10.20	10.30	10.42	10.51	10.62	10.83	0.4%
Electricity	22.08	22.07	21.95	21.91	21.86	21.77	21.79	21.82	21.78	21.80	21.74	21.80	21.94	0.0%
Commercial	13.85	13.99	13.99	14.06	14.12	14.17	14.30	14.42	14.49	14.60	14.68	14.78	14.98	0.5%
Primary Energy 1/	8.31	8.47	8.47	8.55	8.62	8.69	8.80	8.91	9.00	9.10	9.20	9.27	9.43	0.3%
Petroleum Products 2/	12.36	12.48	12.70	12.81	12.91	13.03	13.15	13.18	13.31	13.49	13.82	13.77	13.83	1.0%
Distillate Fuel	10.18	10.22	10.37	10.44	10.49	10.59	10.62	10.58	10.75	10.82	10.91	10.77	10.88	0.5%
Residual Fuel	6.44	6.45	6.77	6.71	6.67	6.72	6.95	7.00	7.00	7.09	7.05	7.06	7.26	1.2%
Natural Gas	7.87	8.04	8.00	8.08	8.15	8.21	8.34	8.46	8.55	8.64	8.71	8.80	8.98	0.1%
Electricity	19.27	19.34	19.29	19.30	19.31	19.28	19.37	19.44	19.45	19.50	19.52	19.59	19.78	0.4%
Industrial 3/	7.64	7.69	7.61	7.60	7.57	7.60	7.61	7.61	7.62	7.66	7.71	7.74	7.86	0.0%
Primary Energy	6.45	6.51	6.44	6.44	6.44	6.48	6.49	6.50	6.53	6.58	6.65	6.68	6.80	0.0%
Petroleum Products 2/	10.39	10.53	10.60	10.71	10.84	11.07	11.05	11.11	11.23	11.38	11.70	11.73	11.83	0.9%
Distillate Fuel	11.46	11.59	11.71	11.80	11.87	12.03	12.11	12.05	12.23	12.37	12.56	12.29	12.47	0.7%
Liquefied Petroleum Gas	13.13	13.36	13.59	13.77	13.98	14.12	14.39	14.47	14.58	14.99	15.89	15.87	15.81	0.9%
Residual Fuel	6.47	6.48	6.80	6.74	6.70	6.75	6.98	7.03	7.03	7.12	7.08	7.09	7.29	1.2%
Natural Gas 4/	5.77	5.95	5.91	6.01	6.08	6.15	6.26	6.38	6.46	6.55	6.63	6.71	6.91	0.6%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Industrial Coal 5/	1.29	1.29	1.29	1.31	1.31	1.32	1.34	1.35	1.36	1.37	1.38	1.39	1.40	0.6%
Coal to Liquids	0.98	0.98	0.99	1.02	1.02	1.03	1.05	1.07	1.07	1.08	1.08	1.09	1.09	N/A
Electricity	13.72	13.77	13.74	13.75	13.75	13.71	13.76	13.79	13.78	13.81	13.80	13.84	13.97	0.2%
Transportation	14.92	15.07	15.26	15.33	15.42	15.53	15.60	15.63	15.74	15.83	15.98	15.92	16.05	0.4%
Primary Energy	14.92	15.07	15.26	15.32	15.42	15.52	15.60	15.63	15.74	15.83	15.97	15.92	16.04	0.4%
Petroleum Products 2/	14.93	15.09	15.28	15.34	15.44	15.54	15.62	15.65	15.76	15.85	16.00	15.94	16.06	0.4%
Distillate Fuel 6/	14.14	14.27	14.34	14.40	14.44	14.60	14.67	14.57	14.72	14.86	15.06	14.74	14.92	0.5%
Jet Fuel 7/	10.13	10.16	10.44	10.52	10.62	10.72	10.65	10.68	10.83	10.99	11.28	11.34	11.46	0.8%
Motor Gasoline 8/	15.92	16.10	16.33	16.40	16.52	16.60	16.69	16.78	16.87	16.93	17.04	17.10	17.21	0.3%
Residual Fuel	6.00	6.06	6.09	6.18	6.28	6.41	6.47	6.56	6.62	6.69	6.75	6.82	6.94	2.2%
Liquefied Petroleum Gas 9/	16.23	16.43	16.63	16.78	16.95	17.07	17.31	17.36	17.45	17.84	18.70	18.66	18.58	0.4%
Natural Gas 10/	9.18	9.35	9.30	9.40	9.44	9.50	9.60	9.70	9.76	9.83	9.88	9.95	10.13	0.4%
Ethanol (E85) 11/	20.01	20.22	20.23	20.31	20.46	20.55	20.66	20.81	21.06	20.98	21.33	21.41	21.54	0.2%
Electricity	17.38	17.42	17.37	17.36	17.35	17.30	17.36	17.39	17.37	17.40	17.39	17.43	17.58	0.0%
Average End-Use Energy	12.53	12.65	12.69	12.73	12.76	12.82	12.89	12.93	12.99	13.07	13.17	13.19	13.34	0.3%
Primary Energy	11.10	11.22	11.28	11.33	11.37	11.45	11.51	11.55	11.61	11.70	11.82	11.82	11.96	0.3%
Electricity	18.76	18.81	18.76	18.76	18.76	18.72	18.79	18.84	18.84	18.88	18.88	18.95	19.12	0.2%
Electric Power 12/														
Fossil Fuel Average	1.22	1.24	1.24	1.26	1.27	1.28	1.30	1.31	1.33	1.33	1.34	1.34	1.35	0.8%
Petroleum Products	9.32	9.26	9.45	9.51	9.54	9.56	9.54	9.55	9.71	9.70	9.67	9.67	9.70	0.7%
Distillate Fuel	9.36	9.30	9.50	9.54	9.58	9.59	9.56	9.58	9.73	9.73	9.70	9.70	9.73	0.2%
Residual Fuel	5.48	5.52	5.67	5.69	5.72	5.81	5.93	6.00	6.03	6.10	6.11	6.15	6.30	1.7%
Natural Gas	5.31	5.48	5.46	5.58	5.64	5.71	5.81	5.93	6.02	6.10	6.15	6.22	6.38	0.2%
Steam Coal 5/	1.00	1.00	1.01	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	0.8%

Table 14. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

West North Central	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	14.02	14.17	14.36	14.44	14.55	14.69	14.75	14.79	14.91	15.02	15.24	15.20	15.31	0.6%
Distillate Fuel	13.40	13.52	13.64	13.70	13.76	13.91	13.98	13.89	14.06	14.20	14.38	14.09	14.27	0.6%
Jet Fuel	10.13	10.16	10.44	10.52	10.62	10.72	10.65	10.68	10.83	10.99	11.28	11.34	11.46	0.8%
Liquefied Petroleum Gas	14.35	14.59	14.87	15.08	15.31	15.46	15.75	15.84	15.96	16.41	17.40	17.36	17.29	1.2%
Motor Gasoline 8/	15.92	16.10	16.33	16.40	16.52	16.60	16.69	16.78	16.87	16.93	17.04	17.10	17.21	0.3%
Residual Fuel	6.41	6.43	6.72	6.67	6.66	6.71	6.92	6.98	6.98	7.06	7.03	7.05	7.25	1.5%
Natural Gas	7.37	7.55	7.51	7.61	7.68	7.75	7.88	8.00	8.09	8.18	8.26	8.35	8.55	0.2%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Coal 5/	1.03	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	0.8%
Coal to Liquids	0.98	0.98	0.99	1.02	1.02	1.03	1.05	1.07	1.07	1.08	1.08	1.09	1.09	N/A
Ethanol (E85) 11/	20.01	20.22	20.23	20.31	20.46	20.55	20.66	20.81	21.06	20.98	21.33	21.41	21.54	0.2%
Electricity	18.76	18.81	18.76	18.76	18.76	18.72	18.79	18.84	18.84	18.88	18.88	18.95	19.12	0.2%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	15.55	15.77	15.89	16.00	16.13	16.24	16.47	16.61	16.75	16.94	17.20	17.30	17.53	1.1%
Commercial	11.28	11.53	11.68	11.90	12.11	12.30	12.57	12.83	13.06	13.32	13.57	13.84	14.21	2.0%
Industrial	13.00	13.19	13.17	13.28	13.41	13.56	13.64	13.77	13.94	14.13	14.36	14.48	14.73	1.1%
Transportation	34.63	35.26	35.97	36.39	36.88	37.40	37.86	38.22	38.79	39.35	40.03	40.23	40.89	1.4%
Total Non-Renewable Expenditures	74.46	75.75	76.71	77.57	78.53	79.51	80.55	81.43	82.54	83.73	85.16	85.86	87.36	1.4%
Transportation Renewable Expenditures	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	6.3%
Total Expenditures	74.46	75.76	76.72	77.58	78.54	79.51	80.55	81.44	82.55	83.74	85.17	85.87	87.37	1.4%

Table 14. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
West North Central

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 15. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
South Atlantic

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	19.57	20.36	22.19	22.16	21.34	20.66	20.38	20.14	19.83	19.66	19.69	19.58	19.46	19.53	19.57
Primary Energy 1/	11.92	13.67	14.77	14.72	13.92	13.55	13.15	12.81	12.61	12.56	12.55	12.46	12.40	12.53	12.55
Petroleum Products 2/	13.12	15.85	17.67	19.41	18.33	17.85	17.30	16.85	16.91	17.04	16.84	16.94	17.01	17.63	17.74
Distillate Fuel	9.90	13.68	14.38	15.65	14.32	14.01	13.41	12.97	12.88	13.11	12.64	12.79	12.86	13.23	13.15
Liquefied Petroleum Gas	17.44	20.11	22.89	24.86	23.74	22.84	22.15	21.50	21.59	21.50	21.42	21.32	21.24	21.96	22.05
Natural Gas	11.47	12.76	13.58	12.89	12.27	11.97	11.66	11.39	11.12	11.04	11.12	11.01	10.93	10.94	10.97
Electricity	24.40	24.41	26.67	26.58	25.70	24.80	24.56	24.36	23.96	23.70	23.73	23.58	23.41	23.41	23.43
Commercial	16.12	16.84	19.40	19.59	18.76	18.19	17.92	17.70	17.37	17.28	17.38	17.31	17.23	17.32	17.37
Primary Energy 1/	9.01	10.19	11.23	10.96	10.31	10.02	9.69	9.45	9.26	9.19	9.20	9.10	9.03	9.07	9.07
Petroleum Products 2/	8.24	10.49	11.65	12.79	11.94	11.56	11.08	10.74	10.88	10.91	10.78	10.78	10.85	11.06	11.04
Distillate Fuel	6.93	9.58	10.08	10.97	10.72	10.47	10.01	9.77	9.94	9.99	9.86	9.87	9.99	10.16	10.12
Residual Fuel	4.72	5.87	8.73	8.76	7.91	7.74	7.42	6.74	6.94	6.95	6.73	6.90	6.82	6.92	6.91
Natural Gas	9.44	10.33	11.35	10.61	10.00	9.75	9.46	9.23	8.94	8.85	8.90	8.77	8.67	8.66	8.67
Electricity	20.07	20.29	23.56	23.77	22.79	22.02	21.74	21.49	21.09	20.96	21.08	21.00	20.89	20.98	21.03
Industrial 3/	7.65	8.28	9.94	10.04	9.50	9.19	8.88	8.64	8.51	8.44	8.50	8.44	8.44	8.45	8.53
Primary Energy	5.80	6.54	8.03	8.06	7.50	7.24	6.92	6.69	6.62	6.56	6.60	6.53	6.55	6.53	6.60
Petroleum Products 2/	7.13	8.04	9.61	10.33	9.68	9.42	9.04	8.82	8.90	8.83	8.85	8.82	8.90	8.85	9.00
Distillate Fuel	7.29	10.08	10.60	11.54	11.05	10.89	10.41	10.31	10.81	10.79	10.83	10.74	10.93	11.02	10.99
Liquefied Petroleum Gas	15.72	15.54	19.20	21.66	16.38	15.76	15.28	14.83	14.90	14.84	14.78	14.71	14.66	15.15	15.24
Residual Fuel	4.78	5.96	8.87	8.88	8.00	7.83	7.51	6.83	7.03	7.04	6.82	6.99	6.91	7.01	7.00
Natural Gas 4/	6.10	6.92	9.19	8.21	7.44	7.05	6.63	6.27	6.00	5.93	6.00	5.88	5.80	5.81	5.83
Metallurgical Coal 5/	1.71	2.03	2.11	2.18	2.19	2.19	2.20	2.16	2.13	2.09	2.04	2.02	2.00	1.98	1.99
Other Industrial Coal 5/	2.07	2.11	2.17	2.27	2.31	2.30	2.30	2.29	2.26	2.23	2.22	2.19	2.19	2.19	2.18
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	13.47	13.92	15.97	16.23	15.79	15.33	15.04	14.75	14.39	14.25	14.36	14.31	14.24	14.32	14.37
Transportation	11.74	13.65	16.85	17.09	15.93	15.51	14.98	14.51	14.54	14.52	14.51	14.43	14.47	14.63	14.62
Primary Energy	11.71	13.63	16.84	17.08	15.91	15.50	14.96	14.49	14.52	14.51	14.49	14.42	14.45	14.62	14.61
Petroleum Products 2/	11.71	13.64	16.84	17.08	15.92	15.50	14.97	14.50	14.53	14.51	14.50	14.43	14.46	14.63	14.62
Distillate Fuel 6/	10.73	12.65	16.23	16.38	14.84	14.50	14.04	13.75	13.96	13.88	13.96	13.79	13.98	14.00	13.94
Jet Fuel 7/	6.74	9.15	12.82	13.16	10.48	10.26	9.82	9.57	9.73	9.85	9.67	9.79	9.84	10.02	9.97
Motor Gasoline 8/	12.73	14.68	17.81	18.05	17.12	16.64	16.07	15.53	15.51	15.47	15.41	15.35	15.32	15.54	15.55
Residual Fuel	4.31	4.61	5.01	6.24	7.70	7.50	7.11	6.71	6.68	6.65	6.61	6.58	6.55	6.61	6.68
Liquefied Petroleum Gas 9/	17.15	17.15	21.43	23.29	20.85	20.17	19.63	19.12	19.16	19.06	18.97	18.86	18.77	19.27	19.33
Natural Gas 10/	9.24	10.29	12.41	11.62	10.99	10.71	10.40	10.13	9.90	9.86	9.97	9.88	9.82	9.85	9.88
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.86	23.17	22.14	21.36	21.33	20.88	20.79	20.70	20.67	20.94	20.94
Electricity	19.70	19.65	20.83	21.36	20.26	19.57	19.38	19.24	18.91	18.77	18.84	18.75	18.63	18.69	18.72
Average End-Use Energy	12.75	13.98	16.56	16.73	15.83	15.40	15.02	14.70	14.61	14.56	14.60	14.55	14.54	14.67	14.70
Primary Energy	10.19	11.75	14.27	14.45	13.51	13.17	12.74	12.37	12.37	12.35	12.37	12.31	12.34	12.47	12.50
Electricity	20.44	20.64	23.25	23.35	22.55	21.83	21.59	21.38	21.00	20.83	20.92	20.83	20.72	20.78	20.82
Electric Power 12/															
Fossil Fuel Average	2.56	2.68	3.05	2.93	2.80	2.74	2.64	2.63	2.56	2.54	2.56	2.55	2.55	2.57	2.59
Petroleum Products	5.09	5.14	7.27	6.85	7.75	7.60	7.29	6.88	6.92	6.94	6.78	6.85	6.81	6.92	6.93
Distillate Fuel	6.50	8.97	9.43	10.27	9.75	9.55	9.10	8.80	8.77	8.91	8.55	8.70	8.73	8.99	8.95
Residual Fuel	4.85	4.70	6.85	6.42	7.32	7.14	6.81	6.33	6.40	6.39	6.27	6.33	6.28	6.36	6.39
Natural Gas	6.05	6.30	8.21	7.22	6.49	6.13	5.73	5.46	5.20	5.17	5.28	5.19	5.13	5.17	5.22
Steam Coal 5/	1.69	1.70	1.87	1.95	1.93	1.91	1.87	1.88	1.83	1.80	1.79	1.76	1.75	1.74	1.72

Table 15. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

South Atlantic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	10.57	12.25	15.06	15.45	14.71	14.35	13.86	13.43	13.50	13.49	13.47	13.43	13.49	13.65	13.67
Distillate Fuel	9.82	12.08	14.67	15.22	13.86	13.59	13.11	12.81	13.01	13.04	13.14	13.02	13.21	13.28	13.23
Jet Fuel	6.74	9.15	12.82	13.16	10.48	10.26	9.82	9.57	9.73	9.85	9.67	9.79	9.84	10.02	9.97
Liquefied Petroleum Gas	16.74	18.26	21.42	23.59	20.53	19.83	19.28	18.75	18.84	18.78	18.72	18.65	18.60	19.24	19.33
Motor Gasoline 8/	12.73	14.68	17.81	18.05	17.12	16.64	16.07	15.53	15.51	15.47	15.41	15.35	15.32	15.54	15.55
Residual Fuel	4.77	4.92	7.00	6.76	7.53	7.35	7.01	6.50	6.57	6.56	6.44	6.51	6.46	6.53	6.56
Natural Gas	7.92	8.50	10.34	9.50	8.74	8.39	8.05	7.72	7.45	7.38	7.43	7.30	7.21	7.21	7.22
Metallurgical Coal 5/	1.71	2.03	2.11	2.18	2.19	2.19	2.20	2.16	2.13	2.09	2.04	2.02	2.00	1.98	1.99
Other Coal 5/	1.71	1.73	1.89	1.98	1.95	1.93	1.90	1.90	1.85	1.83	1.81	1.79	1.78	1.76	1.75
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.86	23.17	22.14	21.36	21.33	20.88	20.79	20.70	20.67	20.94	20.94
Electricity	20.44	20.64	23.25	23.35	22.55	21.83	21.59	21.38	21.00	20.83	20.92	20.83	20.72	20.78	20.82
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	34.84	36.77	41.44	41.77	40.90	40.61	40.85	41.25	41.40	41.93	42.63	43.14	43.65	44.63	45.32
Commercial	22.58	23.83	28.28	28.59	28.20	28.18	28.58	28.99	29.27	29.92	30.87	31.50	32.12	33.07	33.97
Industrial	17.64	19.85	23.66	23.87	22.79	22.14	21.45	20.97	20.76	20.69	20.95	20.90	21.03	21.22	21.59
Transportation	56.31	67.20	83.55	86.20	82.66	82.49	81.71	81.18	83.17	84.68	86.14	87.25	89.04	91.63	93.32
Total Non-Renewable Expenditures	131.37	147.65	176.94	180.43	174.55	173.42	172.59	172.38	174.60	177.23	180.59	182.79	185.85	190.54	194.21
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Total Expenditures	131.38	147.65	176.95	180.44	174.56	173.43	172.60	172.39	174.61	177.24	180.60	182.80	185.86	190.56	194.23

Table 15. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
South Atlantic

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	19.72	19.82	19.83	19.94	19.99	20.01	20.11	20.25	20.30	20.38	20.37	20.47	20.67	0.1%
Primary Energy 1/	12.78	12.90	12.99	13.16	13.29	13.38	13.52	13.68	13.78	13.90	13.98	14.08	14.25	0.2%
Petroleum Products 2/	18.26	18.60	19.06	19.43	19.84	20.15	20.52	20.88	21.17	21.52	21.88	22.17	22.58	1.4%
Distillate Fuel	13.48	13.60	13.76	13.84	14.09	14.18	14.33	14.45	14.51	14.58	14.69	14.72	14.93	0.3%
Liquefied Petroleum Gas	22.59	22.92	23.44	23.85	24.17	24.43	24.72	25.01	25.21	25.49	25.75	25.95	26.25	1.0%
Natural Gas	11.14	11.24	11.26	11.42	11.51	11.59	11.71	11.86	11.95	12.06	12.11	12.19	12.35	-0.1%
Electricity	23.51	23.57	23.51	23.56	23.55	23.50	23.57	23.67	23.67	23.70	23.62	23.69	23.88	-0.1%
Commercial	17.55	17.68	17.72	17.84	17.91	17.95	18.09	18.25	18.32	18.40	18.42	18.49	18.69	0.4%
Primary Energy 1/	9.22	9.31	9.35	9.46	9.54	9.61	9.71	9.82	9.89	9.98	10.03	10.07	10.20	0.0%
Petroleum Products 2/	11.23	11.36	11.52	11.59	11.73	11.85	11.97	12.07	12.17	12.27	12.41	12.39	12.55	0.7%
Distillate Fuel	10.30	10.42	10.52	10.59	10.72	10.85	10.95	11.04	11.15	11.24	11.39	11.33	11.49	0.7%
Residual Fuel	6.92	6.93	7.25	7.19	7.16	7.20	7.43	7.48	7.49	7.57	7.53	7.54	7.75	1.1%
Natural Gas	8.82	8.90	8.91	9.04	9.11	9.17	9.27	9.39	9.46	9.55	9.58	9.64	9.77	-0.2%
Electricity	21.17	21.29	21.29	21.39	21.42	21.41	21.53	21.68	21.71	21.76	21.72	21.78	21.97	0.3%
Industrial 3/	8.63	8.72	8.76	8.85	8.93	9.02	9.07	9.17	9.23	9.30	9.35	9.42	9.55	0.5%
Primary Energy	6.68	6.77	6.81	6.90	7.00	7.12	7.15	7.25	7.32	7.40	7.48	7.55	7.67	0.6%
Petroleum Products 2/	9.03	9.14	9.21	9.28	9.41	9.60	9.58	9.67	9.76	9.84	9.96	10.06	10.20	0.9%
Distillate Fuel	11.15	11.30	11.41	11.49	11.58	11.76	11.86	11.95	12.12	12.27	12.48	12.30	12.50	0.8%
Liquefied Petroleum Gas	15.66	15.91	16.22	16.45	16.68	16.85	17.05	17.25	17.39	17.57	17.76	17.92	18.12	0.6%
Residual Fuel	7.01	7.02	7.34	7.28	7.24	7.29	7.52	7.57	7.58	7.66	7.62	7.63	7.84	1.1%
Natural Gas 4/	6.00	6.09	6.11	6.25	6.34	6.41	6.52	6.65	6.72	6.82	6.86	6.93	7.07	0.1%
Metallurgical Coal 5/	2.00	2.02	2.04	2.06	2.08	2.08	2.09	2.10	2.11	2.12	2.11	2.10	2.11	0.2%
Other Industrial Coal 5/	2.17	2.17	2.18	2.18	2.18	2.19	2.20	2.21	2.22	2.23	2.24	2.25	2.26	0.3%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	14.50	14.58	14.58	14.65	14.68	14.65	14.73	14.80	14.79	14.81	14.76	14.77	14.89	0.3%
Transportation	14.78	14.94	15.15	15.23	15.33	15.43	15.52	15.60	15.70	15.80	15.92	15.91	16.04	0.6%
Primary Energy	14.77	14.93	15.14	15.21	15.32	15.42	15.51	15.59	15.69	15.79	15.91	15.90	16.03	0.6%
Petroleum Products 2/	14.78	14.94	15.15	15.23	15.33	15.43	15.52	15.60	15.70	15.80	15.92	15.91	16.04	0.6%
Distillate Fuel 6/	14.04	14.17	14.26	14.31	14.36	14.52	14.60	14.66	14.82	14.97	15.17	14.93	15.13	0.7%
Jet Fuel 7/	10.22	10.36	10.53	10.64	10.77	10.80	10.91	10.95	11.07	11.21	11.41	11.46	11.59	0.9%
Motor Gasoline 8/	15.72	15.90	16.14	16.22	16.34	16.42	16.51	16.60	16.67	16.75	16.84	16.90	17.01	0.6%
Residual Fuel	6.74	6.80	6.87	6.96	7.06	7.16	7.25	7.35	7.41	7.48	7.54	7.60	7.73	2.0%
Liquefied Petroleum Gas 9/	19.74	19.97	20.27	20.50	20.72	20.88	21.07	21.26	21.37	21.55	21.73	21.87	22.07	1.0%
Natural Gas 10/	10.05	10.14	10.17	10.30	10.38	10.44	10.54	10.66	10.72	10.80	10.83	10.89	11.01	0.3%
Ethanol (E85) 11/	21.14	21.30	21.32	21.40	21.54	21.64	21.75	21.90	22.14	22.07	22.41	22.49	22.62	0.4%
Electricity	18.83	18.91	18.90	18.95	18.95	18.91	18.99	19.05	19.04	19.04	18.98	19.00	19.15	-0.1%
Average End-Use Energy	14.86	15.01	15.14	15.24	15.33	15.42	15.52	15.63	15.72	15.81	15.89	15.93	16.09	0.5%
Primary Energy	12.66	12.81	12.98	13.08	13.19	13.31	13.40	13.50	13.61	13.71	13.83	13.86	14.00	0.7%
Electricity	20.94	21.04	21.03	21.11	21.13	21.10	21.20	21.31	21.33	21.36	21.31	21.37	21.55	0.2%
Electric Power 12/														
Fossil Fuel Average	2.62	2.64	2.66	2.67	2.68	2.68	2.70	2.73	2.73	2.73	2.72	2.71	2.73	0.1%
Petroleum Products	6.98	7.02	7.17	7.20	7.26	7.33	7.47	7.53	7.56	7.62	7.64	7.67	7.81	1.6%
Distillate Fuel	9.15	9.22	9.32	9.36	9.54	9.61	9.70	9.79	9.83	9.85	9.93	10.01	10.10	0.5%
Residual Fuel	6.42	6.46	6.63	6.64	6.68	6.75	6.89	6.96	6.99	7.06	7.07	7.11	7.26	1.7%
Natural Gas	5.39	5.49	5.52	5.66	5.74	5.80	5.91	6.04	6.11	6.19	6.22	6.26	6.41	0.1%
Steam Coal 5/	1.70	1.68	1.69	1.69	1.69	1.70	1.70	1.70	1.71	1.72	1.73	1.74	1.76	0.1%

Table 15. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

South Atlantic	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	13.82	13.98	14.19	14.28	14.39	14.51	14.60	14.69	14.79	14.90	15.03	15.04	15.19	0.8%
Distillate Fuel	13.37	13.51	13.61	13.68	13.74	13.91	14.00	14.08	14.25	14.39	14.60	14.39	14.60	0.7%
Jet Fuel	10.22	10.36	10.53	10.64	10.77	10.80	10.91	10.95	11.07	11.21	11.41	11.46	11.59	0.9%
Liquefied Petroleum Gas	19.83	20.13	20.56	20.89	21.18	21.40	21.65	21.90	22.07	22.31	22.55	22.73	22.99	0.9%
Motor Gasoline 8/	15.72	15.90	16.14	16.22	16.34	16.42	16.51	16.60	16.67	16.75	16.84	16.90	17.01	0.6%
Residual Fuel	6.60	6.63	6.81	6.83	6.86	6.93	7.09	7.16	7.19	7.26	7.28	7.31	7.47	1.6%
Natural Gas	7.36	7.46	7.50	7.65	7.77	7.85	7.99	8.13	8.22	8.35	8.43	8.53	8.70	0.1%
Metallurgical Coal 5/	2.00	2.02	2.04	2.06	2.08	2.08	2.09	2.10	2.11	2.12	2.11	2.10	2.11	0.2%
Other Coal 5/	1.73	1.72	1.72	1.72	1.73	1.73	1.74	1.74	1.75	1.76	1.77	1.78	1.79	0.1%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol (E85) 11/	21.14	21.30	21.32	21.40	21.54	21.64	21.75	21.90	22.14	22.07	22.41	22.49	22.62	0.4%
Electricity	20.94	21.04	21.03	21.11	21.13	21.10	21.20	21.31	21.33	21.36	21.31	21.37	21.55	0.2%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	46.39	47.33	48.20	49.00	49.79	50.50	51.58	52.50	53.35	54.28	55.12	55.98	57.26	1.7%
Commercial	35.10	36.17	37.08	38.19	39.23	40.22	41.46	42.78	43.93	45.14	46.26	47.55	49.09	2.8%
Industrial	22.03	22.44	22.65	23.05	23.49	23.91	24.26	24.78	25.26	25.75	26.16	26.64	27.30	1.2%
Transportation	96.10	98.85	101.88	104.10	106.56	109.08	111.61	114.12	116.92	119.79	122.88	125.02	128.32	2.5%
Total Non-Renewable Expenditures	199.63	204.80	209.80	214.33	219.07	223.72	228.91	234.18	239.47	244.96	250.42	255.19	261.97	2.2%
Transportation Renewable Expenditures	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	7.5%
Total Expenditures	199.64	204.82	209.82	214.36	219.09	223.74	228.93	234.21	239.49	244.99	250.44	255.22	262.00	2.2%

Table 15. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
South Atlantic

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 16. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
East South Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	16.39	17.31	19.86	19.44	19.02	18.38	18.10	17.92	17.70	17.54	17.62	17.53	17.44	17.53	17.61
Primary Energy 1/	10.83	12.10	13.78	13.50	12.82	12.45	12.09	11.82	11.62	11.57	11.61	11.51	11.47	11.61	11.68
Petroleum Products 2/	14.82	17.02	19.45	21.23	20.47	19.73	19.11	18.55	18.60	18.59	18.41	18.28	18.31	18.98	19.06
Distillate Fuel	8.61	11.91	12.52	13.64	13.07	12.72	12.16	11.77	11.69	11.90	11.46	11.61	11.67	12.01	11.94
Liquefied Petroleum Gas	15.69	18.08	20.58	22.36	21.74	20.92	20.27	19.66	19.73	19.68	19.53	19.35	19.37	20.10	20.19
Natural Gas	9.94	10.93	12.48	11.73	11.12	10.84	10.55	10.35	10.11	10.05	10.15	10.06	10.00	10.03	10.11
Electricity	20.43	20.88	23.91	23.51	23.21	22.38	22.13	21.98	21.71	21.46	21.52	21.40	21.25	21.29	21.34
Commercial	15.03	15.95	17.26	17.12	16.68	16.23	16.00	15.87	15.63	15.51	15.63	15.59	15.54	15.65	15.74
Primary Energy 1/	8.53	9.36	10.82	10.43	9.80	9.52	9.23	9.05	8.86	8.80	8.84	8.73	8.68	8.72	8.75
Petroleum Products 2/	9.02	11.15	12.30	13.52	12.42	11.90	11.40	11.07	11.18	11.21	11.07	11.03	11.10	11.34	11.34
Distillate Fuel	6.63	9.17	9.63	10.48	10.51	10.19	9.75	9.51	9.68	9.73	9.60	9.61	9.73	9.89	9.86
Residual Fuel	4.95	6.16	9.15	9.18	7.70	7.52	7.21	6.53	6.73	6.74	6.51	6.69	6.61	6.71	6.70
Natural Gas	8.78	9.43	11.03	10.29	9.69	9.45	9.18	9.01	8.74	8.66	8.73	8.61	8.52	8.53	8.56
Electricity	19.64	20.18	21.24	21.25	20.83	20.19	19.94	19.80	19.50	19.33	19.46	19.42	19.36	19.47	19.56
Industrial 3/	7.23	7.55	9.50	9.52	9.05	8.74	8.46	8.26	8.13	8.07	8.13	8.07	8.07	8.10	8.18
Primary Energy	5.76	6.18	7.87	7.84	7.31	7.02	6.71	6.50	6.41	6.36	6.40	6.33	6.33	6.35	6.42
Petroleum Products 2/	7.40	8.08	9.63	10.36	9.70	9.39	9.03	8.83	8.87	8.80	8.82	8.76	8.85	8.83	8.97
Distillate Fuel	7.05	9.75	10.24	11.15	11.00	10.76	10.29	10.19	10.68	10.66	10.70	10.61	10.80	10.89	10.86
Liquefied Petroleum Gas	13.82	13.65	16.87	19.03	15.48	14.89	14.43	13.99	14.06	14.02	13.91	13.75	13.77	14.31	14.40
Residual Fuel	4.72	5.87	8.73	8.76	7.41	7.24	6.92	6.25	6.45	6.46	6.23	6.41	6.33	6.42	6.42
Natural Gas 4/	5.89	6.11	8.88	7.87	7.07	6.67	6.26	5.94	5.68	5.62	5.70	5.59	5.51	5.53	5.57
Metallurgical Coal 5/	1.83	2.19	2.28	2.34	2.35	2.35	2.37	2.34	2.28	2.22	2.18	2.14	2.11	2.10	2.11
Other Industrial Coal 5/	1.84	1.90	1.97	2.04	2.09	2.07	2.06	2.06	2.03	2.01	2.00	1.98	1.97	1.98	1.98
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	11.70	11.84	14.46	14.65	14.49	14.10	13.94	13.77	13.49	13.36	13.48	13.45	13.41	13.49	13.55
Transportation	11.79	13.75	17.05	17.27	15.92	15.45	14.91	14.46	14.50	14.47	14.47	14.39	14.44	14.59	14.58
Primary Energy	11.77	13.74	17.05	17.27	15.92	15.44	14.91	14.45	14.50	14.47	14.46	14.38	14.43	14.59	14.57
Petroleum Products 2/	11.77	13.74	17.05	17.27	15.92	15.45	14.91	14.46	14.50	14.47	14.47	14.39	14.44	14.60	14.58
Distillate Fuel 6/	10.73	12.65	16.23	16.38	14.95	14.54	14.07	13.77	13.98	13.90	13.99	13.82	14.01	14.03	13.97
Jet Fuel 7/	6.57	8.91	12.47	12.82	10.49	10.19	9.74	9.50	9.69	9.81	9.65	9.78	9.84	10.04	9.99
Motor Gasoline 8/	13.10	15.11	18.32	18.57	17.42	16.87	16.30	15.76	15.75	15.68	15.62	15.55	15.53	15.75	15.76
Residual Fuel	4.46	4.16	4.50	5.05	6.85	6.65	6.26	5.90	5.87	5.80	5.81	5.77	5.74	5.77	5.87
Liquefied Petroleum Gas 9/	16.48	16.48	19.29	20.94	18.55	17.95	17.47	17.01	17.03	16.96	16.82	16.64	16.63	17.13	17.18
Natural Gas 10/	11.06	11.70	14.07	13.15	12.41	12.05	11.66	11.36	11.10	11.03	11.10	10.99	10.90	10.90	10.93
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.43	22.70	21.98	21.31	21.28	20.81	20.72	20.63	20.60	20.87	20.87
Electricity	18.87	18.48	19.19	19.63	18.49	17.86	17.68	17.61	17.38	17.22	17.31	17.24	17.15	17.23	17.29
Average End-Use Energy	11.06	12.12	14.69	14.71	13.89	13.48	13.11	12.84	12.77	12.71	12.76	12.70	12.71	12.81	12.86
Primary Energy	9.36	10.63	13.19	13.26	12.28	11.91	11.49	11.18	11.16	11.13	11.16	11.09	11.12	11.22	11.25
Electricity	16.77	17.12	19.54	19.48	19.21	18.63	18.44	18.30	18.02	17.85	17.96	17.90	17.82	17.90	17.97
Electric Power 12/															
Fossil Fuel Average	1.83	1.95	2.61	2.47	2.32	2.27	2.20	2.18	2.16	2.18	2.22	2.19	2.16	2.18	2.17
Petroleum Products	4.61	4.98	6.58	6.61	7.90	7.71	7.35	6.98	6.92	6.93	6.71	6.80	6.82	7.02	7.07
Distillate Fuel	6.83	9.43	9.93	10.81	10.40	10.11	9.64	9.33	9.29	9.44	9.07	9.22	9.26	9.53	9.48
Residual Fuel	3.97	3.85	5.61	5.19	6.31	6.14	5.81	5.34	5.41	5.38	5.28	5.35	5.30	5.35	5.40
Natural Gas	5.96	6.04	8.08	7.11	6.32	5.96	5.57	5.27	5.08	5.09	5.23	5.13	5.05	5.09	5.13
Steam Coal 5/	1.42	1.46	1.60	1.63	1.61	1.61	1.58	1.61	1.57	1.55	1.52	1.49	1.48	1.48	1.48

Table 16. Energy Prices by Sector and Source
 (2004 dollars per million Btu, unless otherwise noted)
 East South Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	10.73	12.32	15.16	15.57	14.50	14.07	13.59	13.20	13.26	13.23	13.23	13.16	13.22	13.35	13.37
Distillate Fuel	10.05	12.10	15.05	15.38	14.10	13.76	13.29	13.00	13.21	13.22	13.37	13.22	13.40	13.44	13.38
Jet Fuel	6.57	8.91	12.47	12.82	10.49	10.19	9.74	9.50	9.69	9.81	9.65	9.78	9.84	10.04	9.99
Liquefied Petroleum Gas	14.68	15.66	18.54	20.55	18.03	17.38	16.86	16.36	16.41	16.36	16.23	16.06	16.08	16.69	16.77
Motor Gasoline 8/	13.10	15.11	18.32	18.57	17.42	16.87	16.30	15.76	15.75	15.68	15.62	15.55	15.53	15.75	15.76
Residual Fuel	4.17	4.16	5.84	5.54	6.65	6.48	6.11	5.65	5.72	5.67	5.59	5.64	5.59	5.64	5.70
Natural Gas	7.17	7.44	9.47	8.58	7.83	7.48	7.10	6.84	6.55	6.47	6.53	6.42	6.35	6.36	6.41
Metallurgical Coal 5/	1.83	2.19	2.28	2.34	2.35	2.35	2.37	2.34	2.28	2.22	2.18	2.14	2.11	2.10	2.11
Other Coal 5/	1.45	1.49	1.62	1.66	1.64	1.64	1.61	1.64	1.60	1.58	1.55	1.52	1.51	1.51	1.51
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.43	22.70	21.98	21.31	21.28	20.81	20.72	20.63	20.60	20.87	20.87
Electricity	16.77	17.12	19.54	19.48	19.21	18.63	18.44	18.30	18.02	17.85	17.96	17.90	17.82	17.90	17.97
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	10.44	10.88	12.81	12.71	12.48	12.23	12.14	12.14	12.08	12.10	12.20	12.21	12.24	12.41	12.50
Commercial	6.77	7.22	8.11	8.10	8.08	8.07	8.14	8.24	8.31	8.45	8.70	8.85	9.00	9.25	9.49
Industrial	11.05	11.89	14.85	15.09	14.48	14.05	13.67	13.41	13.28	13.25	13.42	13.40	13.48	13.64	13.88
Transportation	21.35	25.59	31.96	32.74	30.83	30.41	29.88	29.48	30.05	30.38	30.71	30.88	31.32	31.99	32.33
Total Non-Renewable Expenditures	49.61	55.58	67.72	68.64	65.87	64.76	63.82	63.27	63.73	64.18	65.02	65.34	66.05	67.28	68.20
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Expenditures	49.61	55.58	67.73	68.65	65.88	64.76	63.83	63.28	63.73	64.18	65.03	65.34	66.05	67.28	68.20

Table 16. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
East South Central

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	17.78	17.87	17.90	18.02	18.08	18.10	18.22	18.36	18.42	18.54	18.63	18.72	18.88	0.3%
Primary Energy 1/	11.92	12.07	12.20	12.40	12.55	12.68	12.87	13.05	13.18	13.39	13.68	13.75	13.89	0.5%
Petroleum Products 2/	19.54	19.83	20.25	20.57	20.87	21.09	21.43	21.60	21.77	22.30	23.60	23.46	23.39	1.2%
Distillate Fuel	12.23	12.33	12.46	12.53	12.77	12.86	12.99	13.10	13.12	13.10	13.11	12.99	13.10	0.4%
Liquefied Petroleum Gas	20.71	21.02	21.48	21.84	22.14	22.38	22.74	22.91	23.09	23.69	25.19	25.03	24.92	1.2%
Natural Gas	10.30	10.42	10.48	10.65	10.77	10.87	11.02	11.19	11.30	11.43	11.50	11.60	11.78	0.3%
Electricity	21.42	21.44	21.38	21.41	21.38	21.30	21.36	21.44	21.44	21.48	21.42	21.49	21.64	0.1%
Commercial	15.91	16.01	16.06	16.17	16.24	16.27	16.42	16.56	16.64	16.75	16.80	16.88	17.06	0.3%
Primary Energy 1/	8.92	9.01	9.07	9.18	9.27	9.35	9.46	9.58	9.65	9.75	9.83	9.87	10.00	0.3%
Petroleum Products 2/	11.55	11.69	11.83	11.92	12.06	12.19	12.32	12.40	12.49	12.62	12.91	12.80	12.88	0.6%
Distillate Fuel	10.02	10.14	10.24	10.30	10.43	10.56	10.65	10.74	10.84	10.90	11.01	10.87	11.01	0.7%
Residual Fuel	6.71	6.72	7.04	6.97	6.94	6.99	7.22	7.27	7.27	7.36	7.32	7.33	7.53	0.8%
Natural Gas	8.73	8.81	8.85	8.98	9.06	9.12	9.23	9.36	9.43	9.53	9.57	9.63	9.77	0.1%
Electricity	19.69	19.75	19.76	19.82	19.84	19.80	19.93	20.05	20.09	20.16	20.17	20.24	20.41	0.0%
Industrial 3/	8.29	8.38	8.42	8.51	8.59	8.67	8.73	8.83	8.89	8.98	9.07	9.14	9.24	0.8%
Primary Energy	6.51	6.61	6.65	6.75	6.84	6.95	7.01	7.10	7.18	7.28	7.41	7.48	7.57	0.8%
Petroleum Products 2/	9.03	9.14	9.21	9.28	9.41	9.59	9.58	9.67	9.77	9.88	10.11	10.18	10.27	0.9%
Distillate Fuel	11.01	11.16	11.27	11.35	11.44	11.61	11.71	11.80	11.96	12.10	12.29	12.09	12.29	0.9%
Liquefied Petroleum Gas	14.81	15.06	15.33	15.55	15.77	15.93	16.22	16.31	16.44	16.89	17.89	17.84	17.78	1.0%
Residual Fuel	6.43	6.44	6.76	6.69	6.66	6.71	6.93	6.99	6.99	7.07	7.03	7.05	7.25	0.8%
Natural Gas 4/	5.74	5.83	5.87	6.02	6.10	6.17	6.29	6.42	6.49	6.59	6.63	6.70	6.85	0.4%
Metallurgical Coal 5/	2.12	2.14	2.16	2.18	2.20	2.20	2.21	2.22	2.23	2.23	2.23	2.21	2.20	0.0%
Other Industrial Coal 5/	1.98	1.98	1.98	1.99	1.99	2.00	2.02	2.03	2.04	2.04	2.06	2.07	2.08	0.4%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	13.66	13.73	13.72	13.78	13.80	13.77	13.85	13.92	13.92	13.94	13.91	13.93	14.05	0.7%
Transportation	14.74	14.90	15.08	15.15	15.25	15.36	15.45	15.53	15.65	15.74	15.89	15.85	15.99	0.6%
Primary Energy	14.73	14.89	15.07	15.15	15.25	15.36	15.45	15.52	15.64	15.74	15.88	15.85	15.98	0.6%
Petroleum Products 2/	14.74	14.90	15.09	15.16	15.26	15.37	15.46	15.54	15.65	15.75	15.90	15.86	16.00	0.6%
Distillate Fuel 6/	14.08	14.21	14.29	14.35	14.39	14.56	14.64	14.70	14.87	15.02	15.22	14.98	15.18	0.7%
Jet Fuel 7/	10.26	10.40	10.58	10.70	10.84	10.87	10.99	11.03	11.16	11.30	11.51	11.57	11.70	1.1%
Motor Gasoline 8/	15.93	16.12	16.34	16.42	16.54	16.63	16.72	16.81	16.90	16.96	17.07	17.13	17.24	0.5%
Residual Fuel	5.93	6.00	6.02	6.12	6.21	6.35	6.40	6.50	6.56	6.63	6.69	6.75	6.88	2.0%
Liquefied Petroleum Gas 9/	17.56	17.77	18.01	18.19	18.38	18.51	18.77	18.84	18.94	19.36	20.32	20.26	20.17	0.8%
Natural Gas 10/	11.08	11.15	11.17	11.29	11.36	11.41	11.50	11.61	11.67	11.74	11.76	11.82	11.95	0.1%
Ethanol (E85) 11/	21.07	21.29	21.30	21.38	21.52	21.62	21.73	21.88	22.13	22.04	22.40	22.48	22.61	0.4%
Electricity	17.40	17.45	17.44	17.48	17.47	17.41	17.49	17.55	17.54	17.57	17.53	17.56	17.70	-0.2%
Average End-Use Energy	13.01	13.13	13.23	13.33	13.41	13.49	13.58	13.68	13.76	13.86	13.97	13.99	14.12	0.6%
Primary Energy	11.40	11.54	11.67	11.76	11.87	11.98	12.06	12.15	12.25	12.36	12.50	12.51	12.64	0.7%
Electricity	18.08	18.13	18.12	18.17	18.18	18.14	18.23	18.31	18.32	18.36	18.33	18.38	18.52	0.3%
Electric Power 12/														
Fossil Fuel Average	2.18	2.16	2.13	2.11	2.08	2.07	2.07	2.07	2.08	2.08	2.09	2.08	2.11	0.3%
Petroleum Products	7.23	7.34	7.50	7.53	7.69	7.81	7.94	8.04	8.26	8.31	8.31	8.35	8.47	2.1%
Distillate Fuel	9.69	9.77	9.87	9.91	10.11	10.18	10.28	10.37	10.40	10.37	10.38	10.30	10.37	0.4%
Residual Fuel	5.43	5.47	5.62	5.64	5.67	5.76	5.88	5.95	5.98	6.05	6.06	6.10	6.25	1.9%
Natural Gas	5.28	5.38	5.40	5.52	5.59	5.66	5.76	5.88	5.95	6.05	6.09	6.14	6.30	0.2%
Steam Coal 5/	1.51	1.51	1.52	1.52	1.52	1.53	1.55	1.57	1.60	1.62	1.65	1.67	1.68	0.6%

Table 16. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

East South Central	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	13.52	13.67	13.83	13.91	14.03	14.16	14.22	14.31	14.43	14.53	14.71	14.69	14.82	0.7%
Distillate Fuel	13.50	13.63	13.73	13.79	13.84	14.01	14.09	14.17	14.33	14.48	14.68	14.45	14.65	0.7%
Jet Fuel	10.26	10.40	10.58	10.70	10.84	10.87	10.99	11.03	11.16	11.30	11.51	11.57	11.70	1.1%
Liquefied Petroleum Gas	17.21	17.46	17.81	18.06	18.30	18.48	18.79	18.90	19.04	19.54	20.72	20.61	20.52	1.0%
Motor Gasoline 8/	15.93	16.12	16.34	16.42	16.54	16.63	16.72	16.81	16.90	16.96	17.07	17.13	17.24	0.5%
Residual Fuel	5.73	5.78	5.93	5.96	6.01	6.10	6.23	6.30	6.37	6.45	6.46	6.52	6.68	1.8%
Natural Gas	6.59	6.69	6.75	6.91	7.01	7.09	7.21	7.36	7.44	7.54	7.59	7.67	7.82	0.2%
Metallurgical Coal 5/	2.12	2.14	2.16	2.18	2.20	2.20	2.21	2.22	2.23	2.23	2.23	2.21	2.20	0.0%
Other Coal 5/	1.54	1.53	1.54	1.54	1.54	1.55	1.57	1.59	1.62	1.63	1.66	1.68	1.70	0.5%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol (E85) 11/	21.07	21.29	21.30	21.38	21.52	21.62	21.73	21.88	22.13	22.04	22.40	22.48	22.61	0.4%
Electricity	18.08	18.13	18.12	18.17	18.18	18.14	18.23	18.31	18.32	18.36	18.33	18.38	18.52	0.3%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	12.68	12.80	12.92	13.02	13.11	13.17	13.35	13.46	13.57	13.71	13.87	13.96	14.14	1.0%
Commercial	9.78	10.02	10.24	10.51	10.76	10.99	11.31	11.63	11.91	12.22	12.50	12.82	13.21	2.4%
Industrial	14.20	14.45	14.60	14.85	15.13	15.39	15.65	15.98	16.30	16.63	16.95	17.26	17.66	1.5%
Transportation	33.05	33.74	34.47	34.95	35.50	36.08	36.64	37.18	37.85	38.49	39.25	39.58	40.35	1.8%
Total Non-Renewable Expenditures	69.70	71.02	72.23	73.33	74.50	75.64	76.94	78.25	79.63	81.05	82.58	83.62	85.37	1.7%
Transportation Renewable Expenditures	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	6.6%
Total Expenditures	69.71	71.03	72.24	73.33	74.51	75.65	76.95	78.26	79.63	81.06	82.58	83.62	85.37	1.7%

Table 16. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
East South Central

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 17. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
West South Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	19.58	20.51	26.83	24.68	20.16	19.53	19.25	19.05	18.71	18.62	18.90	18.77	18.57	18.50	18.55
Primary Energy 1/	9.73	10.80	12.52	11.94	11.32	11.00	10.69	10.46	10.24	10.17	10.24	10.14	10.08	10.15	10.22
Petroleum Products 2/	14.42	16.59	18.89	20.47	19.92	19.18	18.58	18.02	18.06	18.03	17.87	17.71	17.73	18.42	18.51
Distillate Fuel	7.66	10.60	11.13	12.12	11.89	11.57	11.05	10.69	10.62	10.81	10.39	10.54	10.59	10.90	10.85
Liquefied Petroleum Gas	14.56	16.80	19.12	20.76	20.14	19.39	18.78	18.21	18.25	18.21	18.06	17.89	17.91	18.60	18.69
Natural Gas	9.35	10.28	11.96	11.21	10.59	10.30	10.00	9.80	9.55	9.48	9.56	9.46	9.39	9.40	9.46
Electricity	25.96	26.53	35.53	32.56	25.51	24.60	24.29	24.07	23.64	23.51	23.88	23.72	23.41	23.25	23.25
Commercial	16.56	17.01	19.01	19.16	18.11	17.66	17.35	17.10	16.68	16.49	16.75	16.61	16.44	16.38	16.37
Primary Energy 1/	7.93	8.86	10.23	9.67	9.03	8.75	8.45	8.26	8.04	7.97	8.01	7.91	7.84	7.88	7.92
Petroleum Products 2/	9.17	11.25	12.55	13.52	12.66	12.20	11.70	11.36	11.46	11.47	11.34	11.29	11.36	11.60	11.60
Distillate Fuel	6.50	8.97	9.43	10.27	10.36	10.04	9.60	9.37	9.54	9.59	9.45	9.46	9.58	9.75	9.71
Residual Fuel	4.20	5.23	7.76	7.79	7.18	7.01	6.69	6.02	6.21	6.22	6.00	6.17	6.09	6.19	6.18
Natural Gas	7.73	8.41	9.79	9.03	8.40	8.16	7.90	7.74	7.47	7.41	7.48	7.37	7.29	7.30	7.35
Electricity	22.43	22.09	24.33	24.74	23.40	22.81	22.48	22.15	21.60	21.32	21.68	21.50	21.25	21.09	21.02
Industrial 3/	8.34	9.20	11.76	12.04	9.36	8.90	8.50	8.17	8.05	8.01	8.03	7.94	7.91	8.08	8.15
Primary Energy	7.78	8.65	11.17	11.47	8.72	8.30	7.91	7.60	7.52	7.50	7.49	7.41	7.39	7.58	7.65
Petroleum Products 2/	10.06	11.29	13.92	15.34	10.94	10.56	10.20	9.89	9.94	9.91	9.84	9.75	9.79	10.05	10.13
Distillate Fuel	7.00	9.67	10.16	11.07	10.96	10.73	10.25	10.15	10.65	10.63	10.67	10.58	10.77	10.86	10.83
Liquefied Petroleum Gas	12.50	14.17	17.51	19.75	12.98	12.49	12.10	11.72	11.77	11.73	11.63	11.49	11.51	11.98	12.07
Residual Fuel	4.23	5.28	7.84	7.85	7.33	7.16	6.84	6.17	6.36	6.37	6.15	6.32	6.24	6.34	6.33
Natural Gas 4/	5.08	5.52	7.85	6.82	6.00	5.59	5.17	4.87	4.61	4.55	4.63	4.53	4.44	4.47	4.52
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Industrial Coal 5/	1.31	1.48	1.47	1.48	1.48	1.47	1.50	1.51	1.50	1.49	1.49	1.48	1.50	1.52	1.52
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	15.58	16.33	19.18	19.30	17.82	17.02	16.48	15.91	15.15	14.98	15.26	15.11	14.87	14.75	14.72
Transportation	10.40	12.27	15.39	15.67	14.79	14.33	13.82	13.39	13.43	13.44	13.42	13.37	13.42	13.57	13.55
Primary Energy	10.38	12.25	15.37	15.65	14.77	14.32	13.80	13.37	13.42	13.43	13.40	13.35	13.41	13.56	13.54
Petroleum Products 2/	10.38	12.25	15.37	15.66	14.78	14.32	13.81	13.38	13.42	13.43	13.41	13.36	13.41	13.57	13.55
Distillate Fuel 6/	10.75	12.67	16.25	16.41	14.61	14.19	13.73	13.45	13.65	13.57	13.65	13.48	13.67	13.69	13.63
Jet Fuel 7/	6.17	8.38	11.73	12.04	10.16	9.86	9.43	9.18	9.36	9.48	9.31	9.44	9.50	9.69	9.65
Motor Gasoline 8/	12.44	14.37	17.44	17.66	17.64	17.06	16.47	15.91	15.88	15.84	15.78	15.71	15.69	15.90	15.92
Residual Fuel	4.52	4.83	5.25	6.90	7.83	7.44	7.04	6.64	6.61	6.58	6.55	6.51	6.48	6.55	6.61
Liquefied Petroleum Gas 9/	15.84	15.84	17.90	19.45	16.60	16.06	15.62	15.19	15.21	15.14	15.00	14.83	14.82	15.28	15.33
Natural Gas 10/	9.25	10.05	12.47	11.58	10.86	10.53	10.17	9.90	9.66	9.60	9.69	9.59	9.51	9.52	9.57
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.88	23.16	22.13	21.35	21.32	20.87	20.78	20.69	20.66	20.92	20.93
Electricity	19.08	19.39	21.07	21.51	20.92	20.28	20.08	19.97	19.63	19.54	19.92	19.81	19.58	19.50	19.52
Average End-Use Energy	10.33	11.43	14.48	14.55	12.36	11.92	11.52	11.20	11.11	11.10	11.16	11.09	11.08	11.23	11.27
Primary Energy	8.74	9.96	12.67	12.91	10.92	10.51	10.10	9.78	9.76	9.76	9.76	9.71	9.72	9.90	9.95
Electricity	21.53	21.85	26.84	25.91	22.44	21.70	21.35	21.02	20.47	20.30	20.64	20.49	20.23	20.09	20.06
Electric Power 12/															
Fossil Fuel Average	3.29	3.35	4.06	3.68	3.34	3.19	2.98	2.89	2.84	2.87	2.97	2.95	2.94	2.95	2.98
Petroleum Products	6.27	5.85	9.00	10.08	9.58	9.31	8.90	8.58	8.54	8.81	8.42	8.56	8.59	8.84	8.81
Distillate Fuel	6.59	9.11	9.57	10.43	9.86	9.58	9.14	8.83	8.80	8.94	8.58	8.73	8.76	9.03	8.98
Residual Fuel	5.34	5.18	7.57	7.10	7.64	7.37	7.04	6.55	6.62	6.61	6.49	6.55	6.50	6.58	6.61
Natural Gas	5.67	5.88	7.75	6.77	6.00	5.64	5.25	4.97	4.75	4.71	4.82	4.72	4.65	4.67	4.74
Steam Coal 5/	1.25	1.31	1.47	1.50	1.46	1.42	1.40	1.40	1.40	1.39	1.39	1.39	1.40	1.41	1.41

Table 17. Energy Prices by Sector and Source
 (2004 dollars per million Btu, unless otherwise noted)
 West South Central

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	10.39	11.93	14.84	15.68	13.12	12.72	12.30	11.95	12.01	12.01	11.97	11.91	11.97	12.18	12.21
Distillate Fuel	9.92	12.07	14.97	15.34	13.79	13.45	13.00	12.73	12.94	12.96	13.10	12.96	13.13	13.17	13.12
Jet Fuel	6.17	8.38	11.73	12.04	10.16	9.86	9.43	9.18	9.36	9.48	9.31	9.44	9.50	9.69	9.65
Liquefied Petroleum Gas	12.56	14.23	17.54	19.76	13.13	12.64	12.25	11.87	11.92	11.89	11.79	11.65	11.67	12.15	12.24
Motor Gasoline 8/	12.44	14.36	17.43	17.66	17.64	17.06	16.47	15.91	15.88	15.84	15.78	15.71	15.69	15.90	15.92
Residual Fuel	4.56	4.93	5.54	6.96	7.80	7.42	7.03	6.61	6.59	6.56	6.52	6.50	6.47	6.53	6.59
Natural Gas	5.70	6.08	8.21	7.22	6.44	6.06	5.67	5.39	5.13	5.08	5.17	5.07	4.99	5.02	5.08
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Coal 5/	1.25	1.31	1.47	1.50	1.46	1.42	1.40	1.40	1.40	1.39	1.39	1.40	1.40	1.41	1.41
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	23.88	23.16	22.13	21.35	21.32	20.87	20.78	20.69	20.66	20.92	20.93
Electricity	21.53	21.85	26.84	25.91	22.44	21.70	21.35	21.02	20.47	20.30	20.64	20.49	20.23	20.09	20.06
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	20.55	21.37	28.59	26.67	22.28	22.19	22.27	22.41	22.35	22.62	23.20	23.35	23.44	23.75	24.07
Commercial	14.25	14.56	16.67	16.66	16.10	16.09	16.17	16.27	16.23	16.40	16.97	17.14	17.29	17.56	17.88
Industrial	50.90	58.40	72.77	75.33	59.77	57.21	54.72	52.70	52.04	52.01	52.43	51.98	52.00	53.13	53.97
Transportation	42.84	52.10	65.97	68.43	66.22	65.57	64.71	64.28	66.02	67.27	68.28	69.13	70.52	72.46	73.62
Total Non-Renewable Expenditures	128.54	146.42	183.99	187.08	164.36	161.07	157.87	155.66	156.64	158.29	160.87	161.60	163.25	166.89	169.54
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	128.54	146.42	183.99	187.09	164.37	161.07	157.88	155.66	156.65	158.30	160.88	161.61	163.26	166.90	169.55

Table 17. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
West South Central

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	18.68	18.91	18.90	19.10	19.22	19.28	19.46	19.72	19.82	19.97	19.99	19.99	20.37	0.0%
Primary Energy 1/	10.42	10.53	10.60	10.76	10.87	10.94	11.08	11.22	11.30	11.43	11.58	11.63	11.76	0.3%
Petroleum Products 2/	19.01	19.30	19.73	20.15	20.52	20.67	21.13	21.28	21.45	22.01	23.40	23.28	23.18	1.3%
Distillate Fuel	11.11	11.20	11.33	11.39	11.60	11.68	11.80	11.91	11.95	11.99	12.09	12.15	12.29	0.6%
Liquefied Petroleum Gas	19.20	19.50	19.93	20.35	20.72	20.88	21.33	21.49	21.66	22.23	23.64	23.51	23.40	1.3%
Natural Gas	9.64	9.73	9.76	9.90	9.98	10.04	10.15	10.28	10.35	10.45	10.48	10.56	10.70	0.2%
Electricity	23.32	23.60	23.54	23.76	23.88	23.93	24.13	24.46	24.58	24.73	24.67	24.63	25.14	-0.2%
Commercial	16.49	16.76	16.80	17.07	17.26	17.33	17.56	17.87	18.07	18.26	18.34	18.34	18.82	0.4%
Primary Energy 1/	8.09	8.18	8.23	8.35	8.43	8.50	8.61	8.73	8.79	8.89	8.95	9.00	9.14	0.1%
Petroleum Products 2/	11.81	11.96	12.11	12.21	12.37	12.48	12.61	12.70	12.79	12.94	13.24	13.21	13.30	0.6%
Distillate Fuel	9.88	9.99	10.09	10.15	10.29	10.41	10.51	10.59	10.70	10.79	10.93	10.87	11.02	0.8%
Residual Fuel	6.19	6.20	6.52	6.46	6.43	6.47	6.70	6.75	6.76	6.84	6.80	6.81	6.94	1.1%
Natural Gas	7.52	7.61	7.65	7.78	7.85	7.92	8.03	8.16	8.23	8.32	8.36	8.43	8.57	0.1%
Electricity	21.07	21.39	21.38	21.71	21.93	21.97	22.24	22.63	22.86	23.09	23.15	23.10	23.73	0.3%
Industrial 3/	8.35	8.50	8.59	8.78	8.91	8.99	9.19	9.31	9.41	9.63	9.94	9.98	10.04	0.3%
Primary Energy	7.86	8.00	8.10	8.27	8.40	8.48	8.67	8.77	8.87	9.09	9.43	9.46	9.50	0.4%
Petroleum Products 2/	10.37	10.52	10.68	10.85	11.03	11.14	11.32	11.39	11.48	11.73	12.25	12.25	12.26	0.3%
Distillate Fuel	10.98	11.13	11.24	11.32	11.41	11.59	11.69	11.78	11.95	12.10	12.30	12.12	12.33	0.9%
Liquefied Petroleum Gas	12.46	12.67	12.89	13.14	13.37	13.48	13.77	13.84	13.95	14.34	15.17	15.17	15.11	0.2%
Residual Fuel	6.34	6.35	6.67	6.61	6.57	6.62	6.85	6.90	6.91	6.99	6.95	6.96	7.09	1.1%
Natural Gas 4/	4.69	4.79	4.82	4.96	5.04	5.10	5.22	5.34	5.41	5.51	5.55	5.62	5.75	0.2%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Industrial Coal 5/	1.54	1.54	1.56	1.56	1.58	1.60	1.61	1.63	1.64	1.66	1.67	1.68	1.68	0.5%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	14.82	15.10	15.12	15.37	15.54	15.61	15.81	16.13	16.27	16.44	16.42	16.39	16.85	0.1%
Transportation	13.72	13.88	14.06	14.15	14.26	14.36	14.46	14.54	14.67	14.78	14.94	14.92	15.06	0.8%
Primary Energy	13.71	13.87	14.05	14.13	14.24	14.35	14.45	14.53	14.65	14.76	14.92	14.90	15.04	0.8%
Petroleum Products 2/	13.72	13.87	14.05	14.14	14.25	14.36	14.46	14.54	14.66	14.77	14.93	14.91	15.05	0.8%
Distillate Fuel 6/	13.73	13.86	13.93	13.99	14.03	14.20	14.27	14.33	14.49	14.63	14.83	14.60	14.79	0.6%
Jet Fuel 7/	9.91	10.05	10.22	10.34	10.48	10.51	10.62	10.66	10.79	10.92	11.13	11.18	11.31	1.2%
Motor Gasoline 8/	16.08	16.26	16.49	16.57	16.69	16.78	16.87	16.97	17.05	17.12	17.23	17.30	17.41	0.7%
Residual Fuel	6.67	6.74	6.80	6.90	6.99	7.09	7.18	7.28	7.34	7.41	7.47	7.53	7.66	1.8%
Liquefied Petroleum Gas 9/	15.70	15.90	16.10	16.34	16.56	16.65	16.93	16.98	17.07	17.46	18.33	18.29	18.21	0.5%
Natural Gas 10/	9.73	9.81	9.83	9.95	10.01	10.06	10.16	10.26	10.32	10.39	10.41	10.47	10.59	0.2%
Ethanol (E85) 11/	21.13	21.34	21.35	21.43	21.58	21.67	21.78	21.93	22.18	22.10	22.45	22.54	22.66	0.4%
Electricity	19.64	19.94	19.94	20.20	20.37	20.46	20.69	21.02	21.17	21.34	21.35	21.30	21.83	0.5%
Average End-Use Energy	11.47	11.65	11.77	11.94	12.08	12.17	12.34	12.48	12.60	12.78	13.01	13.03	13.19	0.5%
Primary Energy	10.16	10.32	10.45	10.60	10.73	10.83	10.98	11.08	11.20	11.37	11.64	11.66	11.75	0.6%
Electricity	20.14	20.44	20.45	20.70	20.87	20.94	21.16	21.51	21.66	21.84	21.83	21.79	22.34	0.1%
Electric Power 12/														
Fossil Fuel Average	3.07	3.13	3.15	3.22	3.27	3.30	3.34	3.40	3.45	3.46	3.39	3.33	3.38	0.0%
Petroleum Products	9.02	9.09	9.20	9.24	9.43	9.50	9.60	9.70	9.76	9.78	9.87	9.95	10.05	2.1%
Distillate Fuel	9.18	9.26	9.36	9.40	9.59	9.65	9.74	9.83	9.87	9.89	9.97	10.05	10.15	0.4%
Residual Fuel	6.64	6.68	6.85	6.87	6.90	6.97	7.11	7.18	7.22	7.28	7.30	7.33	7.45	1.4%
Natural Gas	4.92	5.02	5.07	5.21	5.30	5.36	5.47	5.60	5.68	5.77	5.79	5.85	6.00	0.1%
Steam Coal 5/	1.41	1.41	1.42	1.43	1.43	1.43	1.44	1.45	1.45	1.47	1.48	1.48	1.49	0.5%

Table 17. Energy Prices by Sector and Source
 (2004 dollars per million Btu, unless otherwise noted)
 West South Central

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	12.42	12.58	12.76	12.89	13.03	13.15	13.29	13.36	13.48	13.65	13.98	13.98	14.06	0.6%
Distillate Fuel	13.24	13.38	13.47	13.53	13.59	13.76	13.84	13.91	14.07	14.22	14.42	14.20	14.40	0.7%
Jet Fuel	9.91	10.05	10.22	10.34	10.48	10.51	10.62	10.66	10.79	10.92	11.13	11.18	11.31	1.2%
Liquefied Petroleum Gas	12.63	12.85	13.07	13.32	13.56	13.67	13.97	14.04	14.15	14.55	15.39	15.38	15.33	0.3%
Motor Gasoline 8/	16.08	16.26	16.49	16.57	16.69	16.78	16.87	16.97	17.05	17.12	17.23	17.30	17.41	0.7%
Residual Fuel	6.65	6.71	6.79	6.88	6.96	7.06	7.16	7.25	7.31	7.38	7.43	7.49	7.62	1.7%
Natural Gas	5.26	5.36	5.40	5.54	5.63	5.69	5.81	5.94	6.02	6.12	6.17	6.24	6.38	0.2%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Coal 5/	1.42	1.42	1.42	1.43	1.44	1.44	1.45	1.45	1.46	1.48	1.48	1.49	1.49	0.5%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol (E85) 11/	21.13	21.34	21.35	21.43	21.58	21.67	21.78	21.93	22.18	22.10	22.45	22.54	22.66	0.4%
Electricity	20.14	20.44	20.45	20.70	20.87	20.94	21.16	21.51	21.66	21.84	21.83	21.79	22.34	0.1%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	24.56	25.18	25.56	26.09	26.57	26.99	27.65	28.31	28.83	29.43	29.92	30.25	31.22	1.5%
Commercial	18.33	18.93	19.29	19.88	20.40	20.81	21.42	22.13	22.74	23.34	23.84	24.28	25.34	2.2%
Industrial	55.85	57.21	58.21	59.77	61.21	62.35	64.02	65.50	66.88	68.90	71.37	72.30	73.79	0.9%
Transportation	75.80	77.86	79.94	81.56	83.36	85.18	87.05	88.85	91.02	93.18	95.72	97.22	99.83	2.5%
Total Non-Renewable Expenditures	174.54	179.19	183.01	187.30	191.53	195.33	200.13	204.79	209.47	214.86	220.85	224.06	230.17	1.8%
Transportation Renewable Expenditures	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	7.3%
Total Expenditures	174.55	179.20	183.02	187.32	191.55	195.34	200.14	204.80	209.48	214.87	220.87	224.07	230.19	1.8%

Table 17. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
West South Central

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 18. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
Mountain

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	14.83	15.51	17.33	17.52	16.79	16.38	15.90	15.57	15.38	15.35	15.46	15.43	15.07	14.77	14.88
Primary Energy 1/	8.35	9.66	11.34	11.53	11.02	10.74	10.31	9.98	9.83	9.79	9.83	9.76	9.34	9.14	9.23
Petroleum Products 2/	13.26	15.35	17.36	18.81	17.91	17.29	16.78	16.24	16.31	16.27	16.10	15.99	16.03	16.65	16.74
Distillate Fuel	9.15	12.64	13.29	14.47	13.90	13.63	13.17	12.51	12.80	12.62	12.13	12.18	12.39	12.48	12.39
Liquefied Petroleum Gas	13.99	16.14	18.38	19.96	18.77	18.05	17.49	16.94	16.97	16.93	16.78	16.62	16.63	17.29	17.39
Natural Gas	7.70	8.86	10.52	10.56	10.12	9.90	9.47	9.18	9.01	8.97	9.04	8.98	8.51	8.22	8.32
Electricity	24.19	24.14	26.04	26.33	25.16	24.52	23.93	23.56	23.31	23.26	23.47	23.44	23.14	22.70	22.82
Commercial	14.00	14.61	16.58	16.98	16.33	16.02	15.48	15.03	14.73	14.62	14.77	14.76	14.55	14.17	14.27
Primary Energy 1/	6.68	7.83	9.18	9.31	8.93	8.75	8.37	8.07	7.95	7.88	7.89	7.81	7.41	7.14	7.22
Petroleum Products 2/	9.05	11.37	12.51	13.70	13.59	13.46	13.03	12.32	12.69	12.50	12.31	12.20	12.49	12.51	12.63
Distillate Fuel	7.36	10.16	10.69	11.64	11.75	11.82	11.45	10.71	11.22	11.00	10.80	10.72	11.10	10.95	11.07
Residual Fuel	4.10	5.10	7.57	7.60	7.23	7.02	6.71	6.23	6.39	6.41	6.21	6.22	6.30	6.39	6.40
Natural Gas	6.58	7.60	9.03	9.08	8.64	8.45	8.05	7.80	7.61	7.55	7.60	7.52	7.03	6.72	6.80
Electricity	20.64	20.60	22.93	23.33	22.27	21.77	21.05	20.44	19.97	19.80	19.99	20.00	19.93	19.47	19.57
Industrial 3/	8.26	8.93	10.46	10.83	10.55	10.36	9.92	9.50	9.33	9.07	9.00	8.87	8.76	8.50	8.58
Primary Energy	6.03	7.06	8.25	8.63	8.60	8.48	8.09	7.70	7.65	7.38	7.29	7.12	7.09	6.84	6.93
Petroleum Products 2/	7.68	9.19	10.17	11.09	11.34	11.30	10.93	10.43	10.72	10.49	10.53	10.35	10.69	10.45	10.77
Distillate Fuel	7.71	10.64	11.18	12.18	12.17	12.67	12.25	11.46	12.32	12.03	11.97	11.81	12.34	12.05	12.32
Liquefied Petroleum Gas	12.37	12.22	15.10	17.04	13.36	12.85	12.45	12.05	12.09	12.06	11.95	11.81	11.82	12.32	12.41
Residual Fuel	4.58	5.71	8.48	8.50	7.63	7.43	7.11	6.63	6.79	6.82	6.61	6.63	6.71	6.79	6.80
Natural Gas 4/	5.37	5.89	7.81	7.55	6.92	6.57	6.03	5.66	5.46	5.42	5.47	5.41	4.92	4.63	4.73
Metallurgical Coal 5/	1.71	2.00	1.91	1.90	1.87	1.92	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.96	1.97
Other Industrial Coal 5/	1.49	1.53	1.53	1.57	1.57	1.56	1.58	1.58	1.57	1.55	1.54	1.54	1.53	1.54	1.55
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.77	0.77	0.76	0.76	0.75	0.75
Electricity	15.11	14.82	17.18	17.56	16.70	16.34	15.76	15.25	14.86	14.75	14.88	14.90	14.61	14.35	14.45
Transportation	11.84	13.86	17.30	17.53	17.98	18.16	17.64	16.38	16.73	16.40	16.36	16.17	16.64	16.42	16.75
Primary Energy	11.82	13.85	17.28	17.52	17.97	18.15	17.63	16.37	16.72	16.39	16.35	16.16	16.64	16.41	16.74
Petroleum Products 2/	11.82	13.85	17.29	17.53	17.98	18.17	17.65	16.39	16.74	16.41	16.37	16.18	16.66	16.44	16.77
Distillate Fuel 6/	11.65	13.73	17.62	17.80	16.77	17.06	16.64	15.56	16.14	15.81	15.78	15.54	16.11	15.72	16.02
Jet Fuel 7/	7.27	9.85	13.82	14.19	11.92	12.22	11.85	10.76	11.12	10.86	10.71	10.80	11.26	11.02	11.28
Motor Gasoline 8/	12.80	14.75	17.90	18.14	19.89	20.00	19.43	18.06	18.36	17.98	17.90	17.67	18.11	17.96	18.34
Residual Fuel	3.58	3.61	3.63	3.65	3.65	3.66	3.68	3.70	3.72	3.74	3.76	3.78	3.79	3.81	3.83
Liquefied Petroleum Gas 9/	16.48	16.48	17.21	18.69	17.63	17.04	16.58	16.11	16.12	16.05	15.90	15.72	15.70	16.21	16.27
Natural Gas 10/	6.43	7.75	10.13	10.11	9.65	9.45	9.03	8.74	8.62	8.63	8.74	8.71	8.25	7.97	8.09
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	24.16	23.65	22.63	21.59	21.68	21.11	21.01	20.85	20.97	21.13	21.25
Electricity	18.86	19.50	21.41	21.99	20.96	20.46	19.96	19.61	19.36	19.30	19.48	19.45	19.12	18.72	18.82
Average End-Use Energy	11.80	13.08	15.61	15.90	15.80	15.73	15.25	14.48	14.52	14.28	14.28	14.15	14.25	13.99	14.18
Primary Energy	9.66	11.32	13.88	14.15	14.29	14.32	13.87	13.02	13.16	12.89	12.84	12.68	12.85	12.61	12.83
Electricity	20.26	20.18	22.38	22.75	21.73	21.25	20.64	20.17	19.81	19.72	19.91	19.92	19.73	19.34	19.45
Electric Power 12/															
Fossil Fuel Average	1.72	1.89	2.69	2.61	2.42	2.36	2.13	2.04	2.02	2.08	2.14	2.18	2.10	2.02	1.98
Petroleum Products	6.77	8.34	9.77	10.14	9.89	9.67	9.44	8.98	9.16	9.06	8.79	8.94	9.09	9.17	9.24
Distillate Fuel	7.65	10.57	11.10	12.10	11.48	11.26	10.88	10.30	10.57	10.43	10.01	10.07	10.24	10.29	10.21
Residual Fuel	5.64	5.47	8.01	7.57	7.78	7.54	7.19	6.88	6.95	6.91	6.83	6.80	6.87	6.82	6.98
Natural Gas	5.09	5.53	7.93	7.69	7.06	6.76	6.20	5.83	5.68	5.69	5.78	5.75	5.27	4.96	5.03
Steam Coal 5/	1.05	1.05	1.15	1.17	1.15	1.14	1.14	1.12	1.11	1.10	1.10	1.09	1.09	1.10	1.11

Table 18. Energy Prices by Sector and Source
 (2004 dollars per million Btu, unless otherwise noted)
 Mountain

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	11.18	13.12	16.07	16.48	16.83	16.96	16.49	15.39	15.73	15.43	15.40	15.22	15.67	15.47	15.79
Distillate Fuel	10.71	12.98	16.00	16.44	15.57	15.95	15.53	14.52	15.10	14.86	14.91	14.69	15.26	14.89	15.17
Jet Fuel	7.27	9.85	13.82	14.19	11.92	12.22	11.85	10.76	11.12	10.86	10.71	10.80	11.26	11.02	11.28
Liquefied Petroleum Gas	13.49	14.89	17.30	19.02	17.02	16.38	15.91	15.44	15.45	15.41	15.21	15.20	15.21	15.81	15.89
Motor Gasoline 8/	12.80	14.75	17.90	18.14	19.89	20.00	19.43	18.06	18.36	17.98	17.90	17.67	18.11	17.96	18.34
Residual Fuel	5.34	5.50	8.06	7.69	7.76	7.49	7.15	6.77	6.87	6.86	6.73	6.72	6.81	6.81	6.89
Natural Gas	6.14	6.83	8.73	8.63	8.09	7.81	7.34	7.02	6.85	6.80	6.86	6.80	6.30	6.01	6.12
Metallurgical Coal 5/	1.71	2.00	1.91	1.90	1.87	1.92	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.96	1.97
Other Coal 5/	1.07	1.08	1.17	1.19	1.17	1.16	1.16	1.14	1.13	1.12	1.12	1.11	1.11	1.12	1.13
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.77	0.77	0.76	0.76	0.75	0.75
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	24.16	23.65	22.63	21.59	21.68	21.11	21.01	20.85	20.97	21.13	21.25
Electricity	20.26	20.18	22.38	22.75	21.73	21.25	20.64	20.17	19.81	19.72	19.91	19.92	19.73	19.34	19.45
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	10.00	10.82	12.37	12.90	12.57	12.61	12.52	12.58	12.73	13.01	13.34	13.58	13.58	13.67	14.03
Commercial	7.60	7.94	9.20	9.42	9.23	9.30	9.23	9.21	9.27	9.45	9.76	9.99	10.10	10.12	10.46
Industrial	6.84	7.48	8.74	9.19	9.04	8.95	8.64	8.35	8.38	8.34	8.47	8.48	8.49	8.39	8.64
Transportation	21.32	25.65	32.21	33.34	34.96	36.04	35.89	34.33	35.92	36.00	36.64	36.95	38.73	38.97	40.53
Total Non-Renewable Expenditures	45.77	51.88	62.53	64.84	65.80	66.89	66.28	64.47	66.30	66.80	68.22	69.00	70.90	71.14	73.66
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Total Expenditures	45.77	51.88	62.53	64.84	65.80	66.90	66.29	64.47	66.31	66.81	68.22	69.00	70.91	71.15	73.67

Table 18. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Mountain	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	15.09	15.51	15.65	15.86	15.95	16.00	16.21	16.39	16.48	16.65	16.89	16.96	17.20	0.4%
Primary Energy 1/	9.43	9.71	9.81	9.97	10.07	10.16	10.31	10.45	10.57	10.72	10.94	11.03	11.23	0.6%
Petroleum Products 2/	17.22	17.49	17.91	18.29	18.64	18.81	19.11	19.21	19.39	19.92	21.20	21.11	21.05	1.2%
Distillate Fuel	12.62	12.55	12.77	12.85	12.93	12.97	12.91	12.92	13.07	13.02	13.09	13.04	13.08	0.1%
Liquefied Petroleum Gas	17.88	18.17	18.58	18.98	19.34	19.48	19.80	19.87	20.03	20.58	21.93	21.80	21.71	1.1%
Natural Gas	8.49	8.78	8.84	8.98	9.06	9.15	9.28	9.43	9.54	9.65	9.76	9.87	10.11	0.5%
Electricity	23.01	23.58	23.75	23.99	24.01	23.97	24.22	24.41	24.41	24.55	24.76	24.76	24.99	0.1%
Commercial	14.45	14.89	15.07	15.30	15.36	15.35	15.64	15.81	15.88	16.13	16.38	16.46	16.74	0.5%
Primary Energy 1/	7.36	7.59	7.65	7.76	7.82	7.88	7.98	8.08	8.17	8.26	8.36	8.44	8.63	0.4%
Petroleum Products 2/	12.77	12.81	12.96	13.16	13.24	13.35	13.35	13.35	13.52	13.64	13.94	13.92	13.98	0.8%
Distillate Fuel	11.13	11.11	11.21	11.37	11.38	11.49	11.43	11.43	11.61	11.65	11.73	11.71	11.82	0.6%
Residual Fuel	6.36	6.42	6.65	6.67	6.64	6.69	6.76	6.77	6.97	7.05	6.81	6.83	6.95	1.2%
Natural Gas	6.95	7.21	7.26	7.37	7.43	7.50	7.61	7.73	7.82	7.90	7.99	8.08	8.30	0.3%
Electricity	19.73	20.25	20.47	20.73	20.73	20.63	20.99	21.16	21.16	21.47	21.78	21.82	22.10	0.3%
Industrial 3/	8.54	8.69	8.61	8.63	8.58	8.63	8.57	8.56	8.55	8.60	8.66	8.63	8.92	0.0%
Primary Energy	6.85	6.92	6.80	6.82	6.79	6.87	6.78	6.75	6.76	6.81	6.87	6.83	7.12	0.0%
Petroleum Products 2/	10.69	10.84	10.79	10.97	11.12	11.40	11.19	11.20	11.34	11.45	11.62	11.51	12.00	1.0%
Distillate Fuel	12.29	12.29	12.33	12.57	12.57	12.75	12.67	12.66	12.86	12.94	13.11	13.07	13.25	0.8%
Liquefied Petroleum Gas	12.80	13.03	13.27	13.54	13.79	13.90	14.14	14.14	14.26	14.67	15.57	15.55	15.49	0.9%
Residual Fuel	6.77	6.82	7.05	7.07	7.04	7.09	7.16	7.17	7.37	7.45	7.21	7.23	7.36	1.0%
Natural Gas 4/	4.90	5.17	5.23	5.36	5.43	5.50	5.61	5.73	5.83	5.92	6.02	6.12	6.34	0.3%
Metallurgical Coal 5/	1.98	2.00	2.00	2.02	2.03	2.04	2.06	2.07	2.08	2.09	2.10	2.12	2.14	0.3%
Other Industrial Coal 5/	1.58	1.59	1.60	1.61	1.64	1.65	1.67	1.69	1.70	1.71	1.71	1.72	1.72	0.5%
Coal to Liquids	0.76	0.77	0.77	0.77	0.78	0.79	0.80	0.80	0.81	0.82	0.82	0.83	0.83	N/A
Electricity	14.60	15.11	15.28	15.47	15.47	15.40	15.52	15.65	15.60	15.67	15.83	15.81	16.02	0.3%
Transportation	16.72	16.70	16.80	17.07	17.10	17.21	17.11	17.06	17.26	17.28	17.46	17.53	17.65	0.9%
Primary Energy	16.71	16.69	16.79	17.07	17.09	17.20	17.10	17.05	17.25	17.27	17.45	17.52	17.64	0.9%
Petroleum Products 2/	16.74	16.72	16.82	17.10	17.12	17.24	17.13	17.08	17.28	17.31	17.49	17.55	17.68	0.9%
Distillate Fuel 6/	15.92	15.90	15.88	16.12	16.08	16.27	16.16	16.12	16.31	16.37	16.58	16.50	16.69	0.8%
Jet Fuel 7/	11.31	11.23	11.35	11.61	11.64	11.68	11.55	11.47	11.64	11.71	11.94	12.02	12.12	0.8%
Motor Gasoline 8/	18.32	18.31	18.44	18.74	18.78	18.87	18.77	18.70	18.90	18.89	19.05	19.19	19.29	1.0%
Residual Fuel	3.85	3.87	3.89	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	1.2%
Liquefied Petroleum Gas 9/	16.65	16.86	17.11	17.38	17.63	17.72	17.96	17.95	18.05	18.48	19.46	19.39	19.31	0.6%
Natural Gas 10/	8.27	8.55	8.62	8.74	8.81	8.88	8.99	9.11	9.19	9.28	9.36	9.45	9.67	0.9%
Ethanol (E85) 11/	21.39	21.54	21.52	21.68	21.80	21.90	21.93	22.02	22.32	22.21	22.59	22.70	22.82	0.5%
Electricity	19.00	19.55	19.76	19.95	19.95	19.89	20.10	20.24	20.19	20.27	20.45	20.42	20.63	0.2%
Average End-Use Energy	14.22	14.37	14.43	14.62	14.62	14.69	14.70	14.73	14.82	14.91	15.07	15.12	15.34	0.6%
Primary Energy	12.82	12.88	12.91	13.08	13.08	13.18	13.12	13.10	13.23	13.28	13.42	13.47	13.67	0.7%
Electricity	19.63	20.17	20.38	20.62	20.62	20.56	20.83	21.00	20.98	21.18	21.42	21.43	21.68	0.3%
Electric Power 12/														
Fossil Fuel Average	1.98	2.00	1.96	1.93	1.89	1.86	1.85	1.86	1.85	1.85	1.85	1.85	1.85	-0.1%
Petroleum Products	9.43	9.44	9.67	9.75	9.86	9.95	9.95	10.02	10.21	10.24	10.24	10.26	10.32	0.8%
Distillate Fuel	10.41	10.35	10.55	10.60	10.65	10.67	10.63	10.64	10.79	10.78	10.77	10.76	10.80	0.1%
Residual Fuel	6.95	7.00	7.10	7.11	7.21	7.30	7.28	7.32	7.48	7.55	7.43	7.49	7.61	1.3%
Natural Gas	5.18	5.45	5.47	5.58	5.63	5.68	5.79	5.89	5.96	6.03	6.12	6.22	6.44	0.6%
Steam Coal 5/	1.15	1.16	1.19	1.20	1.22	1.25	1.28	1.31	1.35	1.37	1.39	1.40	1.41	1.1%

Table 18. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Mountain	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	15.78	15.79	15.87	16.14	16.18	16.33	16.22	16.18	16.37	16.42	16.61	16.65	16.82	1.0%
Distillate Fuel	15.10	15.08	15.09	15.32	15.29	15.46	15.36	15.33	15.52	15.58	15.76	15.70	15.89	0.8%
Jet Fuel	11.31	11.23	11.35	11.61	11.64	11.68	11.55	11.47	11.64	11.71	11.94	12.02	12.12	0.8%
Liquefied Petroleum Gas	16.36	16.47	16.86	17.14	17.31	17.37	17.80	17.89	18.11	18.49	19.60	19.97	19.20	1.0%
Motor Gasoline 8/	18.32	18.31	18.44	18.74	18.78	18.87	18.77	18.70	18.90	18.89	19.05	19.19	19.29	1.0%
Residual Fuel	6.85	6.93	7.07	7.09	7.12	7.20	7.22	7.24	7.42	7.50	7.32	7.35	7.47	1.2%
Natural Gas	6.31	6.61	6.70	6.85	6.97	7.08	7.24	7.39	7.51	7.63	7.75	7.87	8.10	0.7%
Metallurgical Coal 5/	1.98	2.00	2.00	2.02	2.03	2.04	2.06	2.07	2.08	2.09	2.10	2.12	2.14	0.3%
Other Coal 5/	1.16	1.17	1.20	1.21	1.23	1.27	1.29	1.32	1.36	1.38	1.40	1.41	1.41	1.1%
Coal to Liquids	0.76	0.77	0.77	0.77	0.78	0.79	0.80	0.80	0.81	0.82	0.82	0.83	0.83	N/A
Ethanol (E85) 11/	21.39	21.54	21.52	21.68	21.80	21.90	21.93	22.02	22.32	22.21	22.59	22.70	22.82	0.5%
Electricity	19.63	20.17	20.38	20.62	20.62	20.56	20.83	21.00	20.98	21.18	21.42	21.43	21.68	0.3%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	14.50	15.15	15.58	15.99	16.33	16.64	17.17	17.58	17.95	18.41	18.99	19.30	19.85	2.4%
Commercial	10.85	11.40	11.79	12.23	12.56	12.86	13.40	13.86	14.24	14.80	15.37	15.82	16.43	2.8%
Industrial	8.80	9.16	9.30	9.54	9.71	9.94	10.08	10.31	10.55	10.81	11.11	11.27	11.78	1.8%
Transportation	41.29	42.06	43.10	44.59	45.45	46.61	47.23	48.01	49.50	50.56	52.07	53.28	54.70	3.0%
Total Non-Renewable Expenditures	75.44	77.76	79.77	82.34	84.06	86.05	87.87	89.77	92.25	94.58	97.54	99.67	102.75	2.7%
Transportation Renewable Expenditures	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	7.6%
Total Expenditures	75.44	77.77	79.78	82.35	84.06	86.05	87.88	89.78	92.26	94.59	97.55	99.68	102.76	2.7%

Table 18. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
Mountain

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 19. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
Pacific

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	17.44	18.16	19.67	19.75	18.83	18.17	17.79	17.52	17.26	17.06	17.11	17.04	16.59	16.36	16.30
Primary Energy 1/	9.24	10.10	12.29	12.26	11.26	11.08	10.75	10.57	10.55	10.45	10.59	10.52	10.02	9.72	9.62
Petroleum Products 2/	13.60	16.69	18.33	19.99	11.57	11.68	12.45	13.72	14.79	14.29	15.25	15.00	13.50	10.57	9.01
Distillate Fuel	10.06	13.89	14.61	15.90	14.62	14.18	13.63	13.38	13.48	13.60	13.35	13.35	13.63	13.66	13.71
Liquefied Petroleum Gas	17.96	20.70	23.56	25.60	8.92	9.75	11.75	14.35	16.26	15.20	17.12	16.62	13.73	8.79	6.41
Natural Gas	8.92	9.57	11.80	11.66	11.25	11.04	10.62	10.33	10.22	10.16	10.24	10.18	9.75	9.66	9.68
Electricity	29.95	30.28	30.91	31.08	30.17	28.74	28.22	27.78	27.10	26.69	26.54	26.39	25.98	25.84	25.80
Commercial	20.95	20.52	21.56	21.68	20.89	20.25	19.79	19.44	18.96	18.69	18.64	18.51	18.08	17.91	17.85
Primary Energy 1/	7.89	8.59	10.60	10.50	9.86	9.76	9.43	9.23	9.16	9.08	9.13	9.05	8.66	8.51	8.49
Petroleum Products 2/	9.20	11.73	13.04	14.03	11.59	11.84	11.65	11.62	11.96	11.86	12.02	11.93	11.83	11.31	11.16
Distillate Fuel	7.42	10.27	10.79	11.74	11.37	11.26	10.91	10.78	10.97	11.07	11.06	11.05	11.14	11.14	11.19
Residual Fuel	4.89	6.10	9.06	9.08	7.49	7.31	6.68	6.76	6.89	6.92	6.73	6.73	6.95	6.90	6.95
Natural Gas	7.81	8.23	10.40	10.14	9.73	9.59	9.24	9.00	8.89	8.80	8.84	8.76	8.33	8.23	8.23
Electricity	31.07	29.34	29.59	29.52	28.44	27.23	26.60	26.09	25.30	24.85	24.67	24.46	24.00	23.80	23.69
Industrial 3/	9.07	9.46	10.69	11.01	10.05	9.87	9.55	9.47	9.48	9.31	9.46	9.37	9.02	8.63	8.49
Primary Energy	6.65	7.47	8.97	9.35	8.41	8.27	7.99	7.98	8.08	7.96	8.15	8.05	7.70	7.25	7.09
Petroleum Products 2/	7.90	9.11	10.10	11.13	9.58	9.59	9.46	9.76	10.03	9.86	10.10	9.98	9.76	9.05	8.69
Distillate Fuel	7.87	10.88	11.43	12.44	12.01	12.18	11.88	11.81	12.20	12.20	12.44	12.41	12.41	12.40	12.46
Liquefied Petroleum Gas	16.39	16.20	20.03	22.59	6.43	6.36	8.18	10.30	11.78	10.99	12.41	12.09	10.04	6.21	4.32
Residual Fuel	4.80	5.99	8.90	8.93	7.49	7.31	6.68	6.76	6.89	6.92	6.73	6.73	6.95	6.90	6.95
Natural Gas 4/	5.62	6.02	8.09	7.82	7.38	7.07	6.60	6.22	6.10	6.02	6.09	6.01	5.55	5.46	5.47
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Industrial Coal 5/	1.78	1.85	1.90	1.94	1.99	1.95	2.02	2.04	2.02	2.00	2.00	1.99	1.99	2.01	2.02
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	23.92	22.06	21.16	21.07	20.23	19.78	19.32	18.79	18.14	17.68	17.55	17.45	17.10	17.01	16.98
Transportation	12.49	14.61	18.16	18.52	16.47	16.81	16.28	15.54	15.73	15.61	15.58	15.36	15.55	15.42	15.61
Primary Energy	12.45	14.57	18.13	18.49	16.44	16.78	16.25	15.51	15.70	15.59	15.56	15.33	15.54	15.41	15.59
Petroleum Products 2/	12.45	14.58	18.14	18.50	16.45	16.79	16.26	15.52	15.72	15.60	15.57	15.35	15.55	15.42	15.61
Distillate Fuel 6/	12.24	14.41	18.50	18.67	15.92	16.02	15.75	15.61	15.80	15.75	16.04	15.97	15.89	15.85	15.88
Jet Fuel 7/	6.96	9.45	13.23	13.59	10.66	10.71	10.49	10.12	10.16	10.06	10.08	9.96	9.96	10.01	10.03
Motor Gasoline 8/	15.11	17.38	21.07	21.36	19.64	20.20	19.47	18.31	18.62	18.46	18.30	17.95	18.33	18.10	18.42
Residual Fuel	4.78	5.13	5.56	7.48	7.45	7.29	6.66	7.02	6.97	6.98	6.78	6.76	6.92	6.88	6.89
Liquefied Petroleum Gas 9/	16.78	16.78	22.07	23.98	8.69	8.65	10.44	12.56	14.03	13.19	14.61	14.24	12.12	8.20	6.25
Natural Gas 10/	6.75	8.04	10.21	10.06	9.65	9.49	9.08	8.80	8.74	8.74	8.86	8.84	8.43	8.37	8.41
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	22.42	22.24	21.41	20.68	20.75	20.30	20.20	20.05	20.09	20.12	20.13
Electricity	25.11	25.06	26.55	26.57	25.52	24.96	24.35	23.84	23.09	22.64	22.44	22.24	21.79	21.61	21.51
Average End-Use Energy	13.27	14.43	16.89	17.16	15.65	15.62	15.18	14.72	14.75	14.62	14.64	14.48	14.40	14.20	14.25
Primary Energy	10.38	11.98	14.83	15.14	13.54	13.69	13.27	12.81	12.97	12.88	12.93	12.77	12.74	12.52	12.59
Electricity	28.99	27.98	28.11	28.13	27.16	26.07	25.54	25.05	24.34	23.92	23.76	23.60	23.19	23.04	22.97
Electric Power 12/															
Fossil Fuel Average	4.57	4.79	7.23	6.73	6.41	6.27	5.73	5.52	5.40	5.48	5.58	5.57	5.31	5.23	5.22
Petroleum Products	6.03	6.18	8.50	8.15	8.37	8.18	7.61	7.76	7.80	7.82	7.64	7.62	7.80	7.76	7.78
Distillate Fuel	7.06	9.78	10.27	11.18	10.46	10.17	9.73	9.55	9.62	9.70	9.55	9.55	9.75	9.77	9.83
Residual Fuel	5.79	5.61	8.20	7.69	8.03	7.87	7.29	7.50	7.53	7.55	7.37	7.35	7.53	7.48	7.52
Natural Gas	5.16	5.39	8.48	7.94	7.44	7.21	6.61	6.27	6.10	6.14	6.26	6.21	5.79	5.69	5.67
Steam Coal 5/	1.82	1.62	1.78	1.81	1.81	1.79	1.78	1.79	1.78	1.77	1.76	1.75	1.75	1.74	1.74

Table 19. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Pacific	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	11.71	13.66	16.63	17.13	15.10	15.38	14.95	14.44	14.66	14.55	14.57	14.37	14.49	14.25	14.32
Distillate Fuel	11.17	13.57	16.65	17.13	14.90	15.03	14.76	14.62	14.83	14.84	15.16	15.09	15.06	15.03	15.08
Jet Fuel	6.96	9.45	13.23	13.59	10.66	10.71	10.49	10.12	10.16	10.06	10.08	9.96	9.96	10.01	10.03
Liquefied Petroleum Gas	16.99	18.07	21.65	23.96	7.30	7.52	9.38	11.60	13.16	12.26	13.82	13.39	11.10	6.98	4.96
Motor Gasoline 8/	15.11	17.38	21.07	21.36	19.64	20.20	19.47	18.31	18.62	18.46	18.30	17.95	18.33	18.10	18.42
Residual Fuel	4.91	5.21	6.31	7.57	7.61	7.46	6.84	7.15	7.13	7.16	6.96	6.95	7.12	7.07	7.10
Natural Gas	6.56	6.91	9.45	9.17	8.73	8.46	8.02	7.69	7.58	7.51	7.58	7.50	7.05	6.95	6.97
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Coal 5/	1.83	1.67	1.81	1.84	1.85	1.83	1.84	1.84	1.83	1.82	1.82	1.81	1.80	1.80	1.80
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	22.42	22.24	21.41	20.68	20.75	20.30	20.20	20.05	20.09	20.12	20.13
Electricity	28.99	27.98	28.11	28.13	27.16	26.07	25.54	25.05	24.34	23.92	23.76	23.60	23.19	23.04	22.97
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	20.42	21.38	23.71	24.16	23.22	22.81	22.61	22.58	22.53	22.59	22.83	22.97	22.67	22.71	22.85
Commercial	20.29	19.79	21.05	21.14	20.76	20.52	20.46	20.47	20.38	20.50	20.83	21.06	21.00	21.25	21.59
Industrial	15.12	16.10	17.79	18.47	17.30	17.14	16.73	16.59	16.63	16.36	16.63	16.61	16.17	15.86	15.83
Transportation	53.21	64.05	80.37	83.19	75.98	78.88	77.89	76.08	78.55	79.23	80.23	80.26	82.34	82.85	85.06
Total Non-Renewable Expenditures	109.03	121.32	142.92	146.95	137.26	139.35	137.70	135.73	138.09	138.69	140.53	140.90	142.18	142.68	145.33
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	109.04	121.32	142.93	146.96	137.27	139.36	137.71	135.73	138.10	138.70	140.54	140.91	142.19	142.69	145.35

Table 19. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Pacific	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	16.40	16.69	16.72	16.91	17.01	16.92	17.08	17.28	17.36	17.41	17.55	17.68	17.92	-0.1%
Primary Energy 1/	9.76	10.04	10.00	10.25	10.40	10.47	10.68	10.86	10.96	11.01	11.14	11.26	11.51	0.5%
Petroleum Products 2/	9.21	10.15	10.15	12.27	13.50	13.41	14.76	15.40	15.55	14.92	15.52	15.82	15.51	-0.3%
Distillate Fuel	13.89	14.00	14.33	14.45	14.69	14.86	14.92	15.26	15.39	15.58	15.81	15.97	15.96	0.5%
Liquefied Petroleum Gas	6.82	8.32	8.23	11.43	13.19	13.00	14.97	15.76	15.92	14.95	15.71	16.06	15.64	-1.1%
Natural Gas	9.82	10.04	9.99	10.09	10.17	10.25	10.38	10.53	10.63	10.73	10.82	10.94	11.23	0.6%
Electricity	25.80	26.02	26.08	26.14	26.08	25.69	25.71	25.86	25.85	25.84	25.93	26.02	26.20	-0.6%
Commercial	17.91	18.08	18.09	18.17	18.16	17.93	18.04	18.23	18.25	18.25	18.36	18.47	18.77	-0.3%
Primary Energy 1/	8.63	8.77	8.74	8.84	8.89	8.95	9.06	9.19	9.27	9.33	9.41	9.50	10.03	0.6%
Petroleum Products 2/	11.57	11.47	11.70	12.09	12.25	12.31	12.55	12.92	13.07	13.07	13.21	13.35	13.42	0.5%
Distillate Fuel	11.61	11.22	11.58	11.68	11.71	11.79	11.91	12.30	12.48	12.53	12.67	12.78	12.92	0.9%
Residual Fuel	6.87	7.03	7.16	7.22	7.36	7.45	7.58	7.70	7.88	8.13	8.04	8.20	8.28	1.2%
Natural Gas	8.34	8.52	8.45	8.52	8.56	8.62	8.72	8.83	8.90	8.97	9.05	9.13	9.73	0.6%
Electricity	23.63	23.76	23.75	23.77	23.68	23.23	23.28	23.46	23.39	23.32	23.40	23.48	23.57	-0.8%
Industrial 3/	8.65	8.80	8.86	9.13	9.27	9.31	9.45	9.68	9.78	9.80	9.92	10.08	10.24	0.3%
Primary Energy	7.27	7.40	7.45	7.76	7.92	8.03	8.18	8.42	8.54	8.56	8.68	8.85	9.01	0.7%
Petroleum Products 2/	8.88	9.01	9.16	9.69	9.93	10.08	10.30	10.65	10.81	10.77	10.94	11.18	11.23	0.8%
Distillate Fuel	13.10	12.34	12.81	12.92	12.84	12.90	13.09	13.66	13.89	13.84	13.98	14.05	14.32	1.1%
Liquefied Petroleum Gas	4.70	6.09	6.02	8.20	9.37	9.31	10.46	11.16	11.20	10.74	11.10	11.51	11.08	-1.4%
Residual Fuel	6.87	7.03	7.16	7.22	7.36	7.45	7.58	7.70	7.88	8.13	8.04	8.20	8.28	1.3%
Natural Gas 4/	5.60	5.81	5.74	5.83	5.88	5.95	6.06	6.18	6.25	6.34	6.42	6.51	6.81	0.5%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Industrial Coal 5/	2.02	2.04	2.13	2.14	2.16	2.20	2.23	2.27	2.30	2.32	2.34	2.34	2.34	0.9%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	16.99	17.19	17.23	17.28	17.22	16.85	16.85	16.98	16.93	16.90	16.97	17.03	17.16	-1.0%
Transportation	15.80	15.58	15.84	16.03	16.10	16.18	16.26	16.53	16.67	16.70	16.82	16.93	17.03	0.6%
Primary Energy	15.78	15.56	15.82	16.01	16.08	16.17	16.25	16.52	16.66	16.69	16.80	16.91	17.02	0.6%
Petroleum Products 2/	15.80	15.58	15.84	16.03	16.10	16.19	16.27	16.54	16.67	16.70	16.82	16.93	17.04	0.6%
Distillate Fuel 6/	16.58	15.62	16.11	16.19	16.03	16.04	16.24	16.87	17.09	16.97	17.09	17.13	17.43	0.7%
Jet Fuel 7/	10.43	10.13	10.46	10.56	10.57	10.60	10.63	11.06	11.13	11.19	11.32	11.51	11.49	0.8%
Motor Gasoline 8/	18.38	18.37	18.53	18.76	18.89	18.98	19.03	19.12	19.22	19.25	19.35	19.43	19.51	0.4%
Residual Fuel	6.76	6.99	7.00	7.14	7.27	7.64	7.49	7.58	7.85	8.05	8.12	8.34	8.41	1.9%
Liquefied Petroleum Gas 9/	6.60	7.96	7.86	10.07	11.25	11.15	12.33	13.01	13.03	12.52	12.88	13.27	12.82	-1.0%
Natural Gas 10/	8.56	8.79	8.75	8.84	8.90	8.97	9.08	9.19	9.27	9.34	9.42	9.51	9.79	0.8%
Ethanol (E85) 11/	20.29	20.70	20.40	20.88	21.01	21.15	21.25	21.35	21.64	21.56	21.91	21.98	22.12	0.3%
Electricity	21.47	21.63	21.64	21.65	21.56	21.12	21.12	21.23	21.17	21.11	21.16	21.20	21.31	-0.6%
Average End-Use Energy	14.41	14.39	14.55	14.75	14.84	14.86	14.97	15.21	15.32	15.35	15.47	15.60	15.76	0.3%
Primary Energy	12.77	12.71	12.89	13.11	13.22	13.31	13.43	13.68	13.81	13.85	13.97	14.11	14.27	0.7%
Electricity	22.94	23.12	23.14	23.18	23.11	22.69	22.72	22.88	22.82	22.78	22.86	22.93	23.05	-0.7%
Electric Power 12/														
Fossil Fuel Average	5.28	5.46	5.25	5.19	5.19	5.24	5.28	5.34	5.39	5.45	5.49	5.58	5.77	0.7%
Petroleum Products	7.70	7.89	7.97	8.07	8.19	8.39	8.38	8.48	8.68	8.88	8.89	9.06	9.13	1.5%
Distillate Fuel	9.96	10.03	10.24	10.33	10.50	10.62	10.66	10.80	10.94	11.12	11.25	11.40	11.39	0.6%
Residual Fuel	7.41	7.60	7.66	7.75	7.88	8.10	8.08	8.18	8.39	8.60	8.59	8.77	8.84	1.8%
Natural Gas	5.78	5.99	5.85	5.91	5.95	5.98	6.06	6.14	6.21	6.28	6.34	6.43	6.71	0.8%
Steam Coal 5/	1.73	1.73	1.69	1.65	1.65	1.65	1.65	1.66	1.67	1.67	1.67	1.68	1.67	0.1%

Table 19. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

Pacific	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	14.49	14.37	14.61	14.88	14.99	15.09	15.21	15.50	15.64	15.66	15.79	15.93	16.02	0.6%
Distillate Fuel	15.75	14.88	15.35	15.44	15.32	15.35	15.55	16.16	16.38	16.30	16.43	16.47	16.77	0.8%
Jet Fuel	10.43	10.13	10.46	10.56	10.57	10.60	10.63	11.06	11.13	11.19	11.32	11.51	11.49	0.8%
Liquefied Petroleum Gas	5.33	6.78	6.72	9.13	10.41	10.32	11.66	12.39	12.45	11.87	12.33	12.72	12.30	-1.5%
Motor Gasoline 8/	18.38	18.37	18.53	18.76	18.89	18.98	19.03	19.12	19.22	19.25	19.35	19.43	19.51	0.4%
Residual Fuel	6.98	7.19	7.22	7.35	7.48	7.80	7.70	7.80	8.04	8.25	8.29	8.50	8.57	1.9%
Natural Gas	7.11	7.30	7.24	7.33	7.40	7.47	7.58	7.70	7.80	7.89	7.98	8.07	8.41	0.8%
Metallurgical Coal 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Coal 5/	1.80	1.80	1.77	1.73	1.74	1.74	1.75	1.76	1.77	1.78	1.79	1.79	1.79	0.3%
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol (E85) 11/	20.29	20.70	20.40	20.88	21.01	21.15	21.25	21.35	21.64	21.56	21.91	21.98	22.12	0.3%
Electricity	22.94	23.12	23.14	23.18	23.11	22.69	22.72	22.88	22.82	22.78	22.86	22.93	23.05	-0.7%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	23.24	23.83	24.13	24.52	24.82	24.88	25.36	25.77	26.09	26.38	26.87	27.21	27.79	1.0%
Commercial	22.02	22.58	22.97	23.44	23.84	23.96	24.51	25.18	25.64	26.08	26.69	27.30	28.14	1.4%
Industrial	16.33	16.84	17.05	17.64	18.01	18.26	18.75	19.41	19.89	20.24	20.74	21.34	22.08	1.2%
Transportation	87.37	87.39	89.90	92.00	93.45	95.05	96.68	99.50	101.61	103.17	105.29	107.46	109.68	2.1%
Total Non-Renewable Expenditures	148.96	150.65	154.05	157.60	160.12	162.14	165.30	169.87	173.23	175.87	179.59	183.30	187.69	1.7%
Transportation Renewable Expenditures	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	7.1%
Total Expenditures	148.97	150.67	154.07	157.62	160.14	162.16	165.32	169.89	173.25	175.89	179.61	183.32	187.71	1.7%

Table 19. Energy Prices by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
Pacific

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.

Table 20. Energy by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
United States

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	16.25	17.31	19.49	19.09	18.02	17.47	17.19	16.98	16.82	16.77	16.91	16.84	16.65	16.68	16.74
Primary Energy 1/	9.90	11.39	13.15	13.01	12.27	11.96	11.59	11.28	11.14	11.07	11.11	11.03	10.82	10.85	10.88
Petroleum Products 2/	11.61	14.63	15.95	17.44	16.07	15.63	15.19	14.77	14.84	14.89	14.78	14.78	14.72	15.05	15.02
Distillate Fuel	9.85	13.62	14.31	15.58	14.17	13.83	13.34	12.85	12.83	12.95	12.72	12.75	12.73	13.04	13.00
Liquefied Petroleum Gas	15.00	17.30	19.73	21.40	19.72	19.00	18.55	18.17	18.34	18.22	18.24	18.12	17.91	18.20	18.10
Natural Gas	9.43	10.40	12.30	11.75	11.21	10.94	10.60	10.33	10.14	10.05	10.13	10.04	9.80	9.77	9.83
Electricity	26.14	26.19	28.74	27.87	26.16	25.18	24.93	24.78	24.54	24.42	24.61	24.49	24.24	24.20	24.23
Commercial	15.95	16.56	18.43	18.29	17.47	16.97	16.58	16.27	15.98	15.87	16.04	15.98	15.80	15.83	15.88
Primary Energy 1/	8.11	9.20	10.68	10.40	9.76	9.53	9.20	8.96	8.81	8.72	8.75	8.64	8.45	8.44	8.46
Petroleum Products 2/	8.17	10.39	11.77	12.70	11.56	11.31	10.89	10.56	10.70	10.69	10.63	10.60	10.65	10.78	10.78
Distillate Fuel	7.24	9.99	10.49	11.43	11.11	10.85	10.43	10.15	10.35	10.37	10.30	10.27	10.39	10.52	10.50
Residual Fuel	5.11	6.37	9.47	9.49	7.06	6.79	6.48	6.14	6.14	6.12	6.07	6.07	6.04	6.10	6.14
Natural Gas	8.26	9.10	10.65	10.07	9.52	9.30	8.99	8.76	8.54	8.43	8.48	8.36	8.12	8.08	8.10
Electricity	23.90	23.52	25.49	25.20	24.09	23.24	22.73	22.31	21.87	21.70	21.93	21.85	21.66	21.67	21.70
Industrial 3/	8.03	8.67	10.60	10.79	9.47	9.12	8.74	8.48	8.35	8.26	8.31	8.23	8.15	8.17	8.22
Primary Energy	6.66	7.42	9.30	9.50	8.07	7.77	7.41	7.19	7.13	7.05	7.08	6.99	6.92	6.94	6.99
Petroleum Products 2/	8.60	9.65	11.57	12.67	10.29	10.00	9.64	9.46	9.54	9.48	9.49	9.40	9.44	9.47	9.53
Distillate Fuel	7.45	10.29	10.82	11.78	11.44	11.37	10.93	10.75	11.29	11.25	11.31	11.22	11.42	11.44	11.47
Liquefied Petroleum Gas	12.93	14.24	17.59	19.84	13.19	12.69	12.34	12.03	12.12	12.05	12.01	11.87	11.80	12.07	12.04
Residual Fuel	4.72	5.88	8.74	8.76	7.39	7.18	6.85	6.31	6.45	6.43	6.27	6.38	6.32	6.40	6.42
Natural Gas 4/	5.59	6.10	8.41	7.56	6.84	6.45	6.02	5.69	5.46	5.38	5.45	5.35	5.16	5.15	5.19
Metallurgical Coal 5/	1.90	2.24	2.30	2.36	2.37	2.38	2.39	2.36	2.32	2.28	2.24	2.21	2.19	2.18	2.19
Other Industrial Coal 5/	1.62	1.74	1.78	1.82	1.85	1.84	1.85	1.86	1.84	1.83	1.82	1.80	1.80	1.80	1.80
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.86	0.85	0.86	0.86	0.87
Electricity	15.49	15.54	17.57	17.72	17.18	16.65	16.16	15.65	15.15	14.97	15.16	15.10	14.95	14.98	15.03
Transportation	11.83	13.81	17.13	17.40	16.22	15.94	15.40	14.83	14.91	14.85	14.83	14.73	14.82	14.91	14.95
Primary Energy	11.80	13.79	17.12	17.38	16.21	15.92	15.39	14.82	14.89	14.83	14.81	14.71	14.80	14.89	14.94
Petroleum Products 2/	11.80	13.79	17.12	17.39	16.21	15.93	15.40	14.82	14.90	14.84	14.82	14.72	14.82	14.90	14.95
Distillate Fuel 6/	11.24	13.25	16.99	17.16	15.33	15.07	14.63	14.29	14.53	14.43	14.53	14.37	14.56	14.53	14.51
Jet Fuel 7/	6.65	9.02	12.64	12.97	10.54	10.39	10.01	9.67	9.82	9.86	9.75	9.79	9.87	9.99	9.99
Motor Gasoline 8/	13.31	15.34	18.60	18.85	18.16	17.83	17.22	16.52	16.56	16.47	16.39	16.27	16.34	16.46	16.55
Residual Fuel	4.63	4.91	5.33	6.92	7.26	7.02	6.53	6.43	6.40	6.38	6.29	6.27	6.31	6.33	6.38
Liquefied Petroleum Gas 9/	17.14	17.14	19.67	21.37	17.48	16.93	16.80	16.72	16.96	16.75	16.88	16.72	16.33	16.11	15.84
Natural Gas 10/	8.90	9.94	12.23	11.61	11.02	10.75	10.38	10.09	9.91	9.85	9.94	9.85	9.61	9.59	9.63
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	22.16	22.17	21.65	21.19	21.18	20.71	20.62	20.52	20.50	20.72	20.73
Electricity	21.74	21.67	22.98	23.36	21.93	21.23	20.95	20.76	20.50	20.41	20.61	20.51	20.25	20.25	20.27
Average End-Use Energy	11.82	13.00	15.57	15.65	14.45	14.10	13.69	13.32	13.26	13.20	13.26	13.18	13.16	13.21	13.27
Primary Energy	9.58	11.04	13.61	13.78	12.59	12.32	11.90	11.52	11.52	11.46	11.48	11.40	11.40	11.46	11.51
Electricity	22.28	22.19	24.44	24.07	22.92	22.14	21.76	21.43	21.06	20.92	21.14	21.07	20.87	20.89	20.93
Electric Power 12/															
Fossil Fuel Average	2.35	2.46	3.05	2.85	2.67	2.60	2.46	2.41	2.37	2.39	2.44	2.44	2.41	2.41	2.41
Petroleum Products	5.35	5.43	7.53	7.29	7.33	7.11	6.78	6.50	6.51	6.51	6.39	6.43	6.52	6.64	6.69
Distillate Fuel	6.65	9.23	9.71	10.61	10.06	9.80	9.38	9.04	9.04	9.16	8.85	8.98	9.02	9.23	9.23
Residual Fuel	4.90	4.76	6.98	6.55	6.57	6.35	5.99	5.70	5.72	5.71	5.65	5.67	5.72	5.78	5.83
Natural Gas	5.66	5.92	8.09	7.24	6.54	6.22	5.77	5.46	5.26	5.24	5.36	5.28	5.08	5.06	5.10
Steam Coal 5/	1.33	1.36	1.50	1.53	1.51	1.50	1.47	1.48	1.45	1.44	1.43	1.41	1.40	1.40	1.39

Table 20. Energy by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

United States	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average Price to All Users 13/															
Petroleum Products 2/	10.86	12.61	15.47	16.01	14.59	14.32	13.86	13.41	13.50	13.45	13.44	13.36	13.45	13.54	13.60
Distillate Fuel	10.20	12.62	15.28	15.82	14.28	14.08	13.64	13.30	13.53	13.54	13.66	13.54	13.72	13.74	13.74
Jet Fuel	6.65	9.02	12.64	12.97	10.54	10.39	10.01	9.67	9.82	9.86	9.75	9.79	9.87	9.99	9.99
Liquefied Petroleum Gas	13.40	14.89	18.04	20.17	14.55	14.03	13.70	13.39	13.51	13.44	13.42	13.30	13.19	13.46	13.41
Motor Gasoline 8/	13.30	15.33	18.60	18.85	18.16	17.83	17.22	16.52	16.56	16.46	16.39	16.27	16.34	16.46	16.55
Residual Fuel	4.80	5.04	6.79	7.08	6.96	6.73	6.32	6.07	6.09	6.07	5.99	6.00	6.03	6.09	6.13
Natural Gas	6.98	7.52	9.60	8.88	8.21	7.89	7.49	7.19	6.96	6.87	6.93	6.83	6.60	6.58	6.63
Metallurgical Coal 5/	1.90	2.24	2.30	2.36	2.37	2.38	2.39	2.36	2.32	2.28	2.24	2.21	2.19	2.18	2.19
Other Coal 5/	1.35	1.39	1.52	1.55	1.54	1.52	1.50	1.51	1.48	1.47	1.45	1.44	1.43	1.42	1.42
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.86	0.85	0.86	0.86	0.87
Ethanol (E85) 11/	16.71	20.24	22.36	22.59	22.16	22.17	21.65	21.19	21.18	20.71	20.62	20.52	20.50	20.72	20.73
Electricity	22.28	22.19	24.44	24.07	22.92	22.14	21.76	21.43	21.06	20.92	21.14	21.07	20.87	20.89	20.93
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)															
Residential	180.52	190.90	219.43	215.43	204.47	201.68	200.56	200.59	200.84	202.61	205.45	206.44	206.16	208.92	210.91
Commercial	131.57	135.07	153.80	150.46	146.46	145.31	144.94	145.01	145.35	147.22	151.31	153.21	154.28	157.31	160.54
Industrial	153.18	170.01	203.08	208.05	186.53	180.92	174.35	169.60	167.85	166.97	168.84	167.83	167.05	168.32	170.20
Transportation	312.29	374.67	468.51	482.26	459.99	460.09	453.40	445.81	456.51	461.61	467.28	470.25	479.43	488.43	496.71
Total Non-Renewable Expenditures	777.56	870.65	1044.82	1056.20	997.46	988.00	973.25	961.01	970.55	978.41	992.89	997.73	1006.92	1022.97	1038.37
Transportation Renewable Expenditures	0.02	0.02	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09
Total Expenditures	777.58	870.67	1044.85	1056.25	997.50	988.05	973.30	961.06	970.61	978.47	992.95	997.81	1007.00	1023.05	1038.45

Table 20. Energy by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

United States	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Residential	16.94	17.15	17.19	17.36	17.48	17.54	17.70	17.89	17.97	18.10	18.20	18.30	18.51	0.3%
Primary Energy 1/	11.09	11.27	11.31	11.48	11.60	11.70	11.86	12.01	12.11	12.23	12.38	12.47	12.62	0.4%
Petroleum Products 2/	15.41	15.67	15.94	16.27	16.61	16.79	17.10	17.31	17.47	17.70	18.23	18.29	18.42	0.9%
Distillate Fuel	13.30	13.43	13.55	13.65	13.87	13.98	14.12	14.23	14.29	14.32	14.41	14.41	14.56	0.3%
Liquefied Petroleum Gas	18.57	18.95	19.34	19.90	20.32	20.52	20.96	21.19	21.37	21.72	22.65	22.68	22.68	1.0%
Natural Gas	9.99	10.16	10.16	10.30	10.39	10.48	10.61	10.76	10.86	10.97	11.05	11.15	11.32	0.3%
Electricity	24.34	24.50	24.44	24.55	24.57	24.51	24.61	24.76	24.75	24.80	24.76	24.80	25.02	-0.2%
Commercial	16.05	16.26	16.28	16.45	16.54	16.58	16.75	16.95	17.03	17.14	17.22	17.30	17.52	0.2%
Primary Energy 1/	8.61	8.73	8.74	8.84	8.92	8.99	9.10	9.21	9.29	9.37	9.45	9.50	9.65	0.2%
Petroleum Products 2/	10.97	11.07	11.22	11.31	11.44	11.59	11.71	11.78	11.91	12.01	12.20	12.17	12.28	0.6%
Distillate Fuel	10.69	10.75	10.89	10.91	11.02	11.20	11.29	11.33	11.50	11.58	11.71	11.62	11.77	0.6%
Residual Fuel	6.18	6.22	6.31	6.36	6.43	6.50	6.59	6.66	6.71	6.77	6.80	6.85	6.91	0.3%
Natural Gas	8.25	8.38	8.37	8.47	8.54	8.60	8.71	8.83	8.91	8.99	9.05	9.12	9.29	0.1%
Electricity	21.83	22.03	22.00	22.16	22.22	22.16	22.32	22.52	22.54	22.63	22.65	22.69	22.90	-0.1%
Industrial 3/	8.36	8.48	8.48	8.57	8.62	8.68	8.75	8.84	8.89	8.98	9.13	9.16	9.27	0.3%
Primary Energy	7.12	7.23	7.24	7.32	7.39	7.46	7.54	7.62	7.68	7.79	7.96	8.00	8.09	0.3%
Petroleum Products 2/	9.67	9.82	9.94	10.10	10.26	10.44	10.53	10.63	10.74	10.90	11.24	11.29	11.36	0.6%
Distillate Fuel	11.68	11.67	11.84	11.93	11.98	12.15	12.24	12.35	12.55	12.65	12.84	12.69	12.91	0.9%
Liquefied Petroleum Gas	12.40	12.70	12.92	13.25	13.51	13.62	13.95	14.06	14.16	14.51	15.31	15.32	15.25	0.3%
Residual Fuel	6.44	6.46	6.70	6.69	6.70	6.75	6.94	6.99	7.01	7.09	7.08	7.11	7.27	0.8%
Natural Gas 4/	5.36	5.49	5.49	5.62	5.69	5.76	5.87	5.99	6.07	6.16	6.22	6.29	6.45	0.2%
Metallurgical Coal 5/	2.19	2.21	2.23	2.25	2.26	2.26	2.27	2.28	2.29	2.29	2.29	2.28	2.28	0.1%
Other Industrial Coal 5/	1.80	1.80	1.81	1.82	1.82	1.83	1.85	1.86	1.87	1.88	1.90	1.91	1.92	0.4%
Coal to Liquids	0.87	0.88	1.04	1.12	1.15	1.18	1.21	1.22	1.23	1.24	1.25	1.26	1.26	N/A
Electricity	15.16	15.35	15.35	15.49	15.55	15.53	15.62	15.76	15.76	15.80	15.77	15.77	15.95	0.1%
Transportation	15.10	15.18	15.38	15.48	15.57	15.68	15.76	15.84	15.97	16.05	16.19	16.20	16.32	0.6%
Primary Energy	15.09	15.17	15.36	15.47	15.56	15.67	15.74	15.83	15.96	16.04	16.18	16.18	16.31	0.6%
Petroleum Products 2/	15.10	15.18	15.38	15.48	15.57	15.68	15.76	15.84	15.97	16.05	16.19	16.20	16.32	0.7%
Distillate Fuel 6/	14.67	14.66	14.78	14.83	14.84	15.02	15.09	15.15	15.35	15.46	15.65	15.44	15.65	0.6%
Jet Fuel 7/	10.26	10.26	10.49	10.60	10.69	10.73	10.79	10.92	11.04	11.15	11.35	11.44	11.53	0.9%
Motor Gasoline 8/	16.67	16.80	17.02	17.14	17.25	17.34	17.41	17.49	17.58	17.64	17.74	17.82	17.92	0.6%
Residual Fuel	6.37	6.49	6.54	6.65	6.75	6.95	6.95	7.05	7.19	7.30	7.37	7.49	7.59	1.7%
Liquefied Petroleum Gas 9/	16.23	16.62	16.82	17.36	17.72	17.82	18.20	18.40	18.49	18.66	19.23	19.31	19.25	0.4%
Natural Gas 10/	9.78	9.92	9.90	10.01	10.07	10.12	10.22	10.32	10.38	10.45	10.49	10.55	10.68	0.3%
Ethanol (E85) 11/	20.92	21.15	21.10	21.26	21.40	21.50	21.60	21.74	22.00	21.92	22.27	22.35	22.48	0.4%
Electricity	20.40	20.58	20.56	20.68	20.71	20.63	20.72	20.86	20.83	20.85	20.83	20.84	21.00	-0.1%
Average End-Use Energy	13.44	13.57	13.66	13.77	13.85	13.93	14.02	14.14	14.22	14.32	14.45	14.48	14.64	0.5%
Primary Energy	11.67	11.79	11.89	12.00	12.08	12.17	12.25	12.35	12.45	12.54	12.70	12.73	12.86	0.6%
Electricity	21.05	21.25	21.23	21.38	21.43	21.39	21.52	21.69	21.70	21.76	21.75	21.79	22.00	0.0%
Electric Power 12/														
Fossil Fuel Average	2.44	2.48	2.46	2.48	2.48	2.48	2.49	2.50	2.51	2.50	2.49	2.47	2.49	0.0%
Petroleum Products	6.76	6.79	6.91	6.95	7.06	7.21	7.30	7.37	7.39	7.44	7.47	7.52	7.61	1.3%
Distillate Fuel	9.43	9.48	9.62	9.67	9.85	9.92	9.99	10.05	10.12	10.14	10.19	10.21	10.28	0.4%
Residual Fuel	5.86	5.90	6.02	6.06	6.14	6.27	6.36	6.43	6.47	6.54	6.56	6.63	6.73	1.3%
Natural Gas	5.26	5.41	5.40	5.52	5.59	5.65	5.76	5.87	5.93	6.02	6.06	6.12	6.26	0.2%
Steam Coal 5/	1.39	1.39	1.39	1.40	1.40	1.41	1.43	1.44	1.46	1.47	1.49	1.50	1.51	0.4%

Table 20. Energy by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)

United States	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Average Price to All Users 13/														
Petroleum Products 2/	13.76	13.86	14.05	14.18	14.30	14.43	14.51	14.61	14.73	14.83	15.02	15.04	15.16	0.7%
Distillate Fuel	13.93	13.93	14.07	14.13	14.18	14.35	14.44	14.52	14.71	14.82	15.00	14.83	15.04	0.7%
Jet Fuel	10.26	10.26	10.49	10.60	10.69	10.73	10.79	10.92	11.04	11.15	11.35	11.44	11.53	0.9%
Liquefied Petroleum Gas	13.80	14.12	14.38	14.76	15.05	15.18	15.53	15.66	15.78	16.12	16.94	16.96	16.90	0.5%
Motor Gasoline 8/	16.67	16.80	17.02	17.13	17.25	17.34	17.41	17.49	17.58	17.64	17.74	17.82	17.92	0.6%
Residual Fuel	6.15	6.21	6.31	6.38	6.46	6.61	6.67	6.75	6.82	6.90	6.93	7.01	7.12	1.3%
Natural Gas	6.79	6.92	6.93	7.06	7.14	7.21	7.34	7.47	7.55	7.66	7.73	7.82	7.98	0.2%
Metallurgical Coal 5/	2.19	2.21	2.23	2.25	2.26	2.26	2.27	2.28	2.29	2.29	2.29	2.28	2.28	0.1%
Other Coal 5/	1.41	1.41	1.42	1.42	1.43	1.44	1.45	1.46	1.48	1.50	1.51	1.52	1.53	0.4%
Coal to Liquids	0.87	0.88	1.04	1.12	1.15	1.18	1.21	1.22	1.23	1.24	1.25	1.26	1.26	N/A
Ethanol (E85) 11/	20.92	21.15	21.10	21.26	21.40	21.50	21.60	21.74	22.00	21.92	22.27	22.35	22.48	0.4%
Electricity	21.05	21.25	21.23	21.38	21.43	21.39	21.52	21.69	21.70	21.76	21.75	21.79	22.00	0.0%
Non-Renewable Energy Expenditures by Sector (billion 2004 dollars)														
Residential	214.94	219.01	221.50	224.45	227.17	229.27	233.30	236.52	239.07	242.21	245.58	247.78	252.12	1.1%
Commercial	164.81	169.37	172.19	176.59	180.39	183.62	188.33	193.44	197.43	201.86	206.09	210.49	216.48	1.8%
Industrial	174.29	178.14	179.83	183.50	186.84	189.80	193.19	197.21	200.68	204.80	209.46	212.38	216.86	0.9%
Transportation	508.64	517.83	530.44	539.97	549.19	559.32	568.53	578.48	590.39	601.04	614.00	622.34	635.46	2.1%
Total Non-Renewable Expenditures	1062.69	1084.35	1103.97	1124.51	1143.60	1162.01	1183.36	1205.65	1227.56	1249.90	1275.14	1292.99	1320.94	1.6%
Transportation Renewable Expenditures	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	6.9%
Total Expenditures	1062.78	1084.44	1104.07	1124.61	1143.70	1162.12	1183.47	1205.76	1227.68	1250.03	1275.26	1293.12	1321.07	1.6%

Table 20. Energy by Sector and Source
(2004 dollars per million Btu, unless otherwise noted)
United States

- 1/ Weighted average price includes fuels below as well as coal.
 - 2/ This quantity is the weighted average for all petroleum products, not just those listed below.
 - 3/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 4/ Excludes use for lease and plant fuel.
 - 5/ Excludes imported coal.
 - 6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
 - 7/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
 - 8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 - 9/ Includes Federal and State taxes while excluding county and local taxes.
 - 10/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes.
 - 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 electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.
- Btu = British thermal unit.

Note: Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 and 2004 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual DOE/EIA-0487(2004) (Washington, DC, August 2005). 2003 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 and 2004 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/06) (Washington, DC, June 2005). 2003 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector natural gas delivered prices are model results. 2003 and 2004 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 coal prices based on: EIA, Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005) and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. 2003 and 2004 electricity prices: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 and 2004 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.